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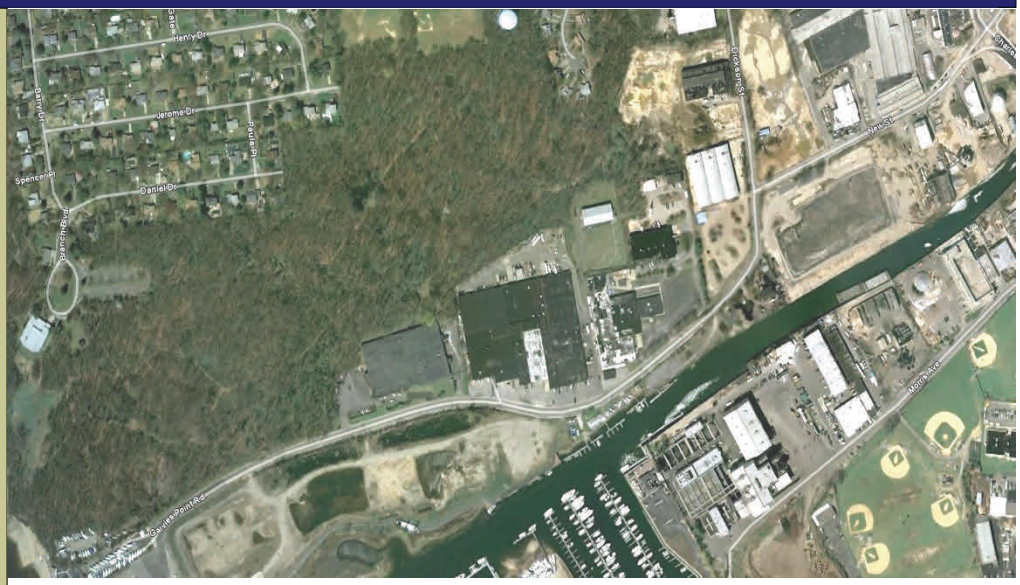

Contaminated Materials Assessment Report

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DRAFT

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EXECUTIVE SUMMARY

The Reconstruction of Herb Hill Road and Garvies Point Road project includes approximately 4,800 linear feet of roadway and associated utilities that will be renovated beginning in 2015 (Figures 1 and 2). Gannett Fleming Engineers, P.C. (GF), on behalf of Sidney B. Bowne and Son, LLP (Bowne), the City of Glen Cove (City), and the New York State Department of Transportation (NYSDOT) has prepared this Contaminated Materials Assessment Report (CMAR) based on the results of a site investigation conducted from October 2014 through January 2015. The Site Investigation (SI) was intended to supplement GF's 2010 Field Investigation Findings Reports by further characterizing subsurface soil and assessing groundwater quality in preparation for excavation, soil handling and disposal, and possible dewatering activities. The SI was authorized on September 8, 2014, and soil borings, soil sampling, and groundwater sampling were performed during October and November of 2014. The final analytical results resulting from the sampling were received on January 7, 2015.

Adjacent to and partially underlying the Project area are multiple sites subject to the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, commonly known and referred to here as Superfund) and Resource Conservation and Recovery Act (RCRA), as administered by the United States Environmental Protection Agency (USEPA); and the New York State Brownfield Cleanup Program (BCP), as administered by the New York State Department of Environmental Conservation (NYSDEC) (Figure 2). Site Management Plans (SMPs) with specific material handling, disposal, and other regulatory requirements apply within the sites due to the presence of radioactive, metal tailing, and other wastes. As a result discussions within this report and the associated Contract Documents make the distinction between "SMP" and "Non-SMP" areas. Copies of the following SMPs will be provided with the Contract Bid Documents in portable document format (pdf) format so the Contractor is fully informed in preparing its bid:

- Ferry Terminal Site

- 10 Garvies Point Road (Doxey) Site
- Captains Cove Site
- Gladsky Marine Site
- Li Tungsten Site

Contaminated Materials Assessment Report

Based on the intended use (roadway), the Part 375 Commercial SCOs were used as a basis to determine when contaminated soil would require off-site management and disposal for the project. The following additional standards will be used and will be detailed in a Special Note included in the Contract Documents:

- Soil materials with concentrations below the Part 375 Commercial SCOs may be reused on site, but only within Non-SMP areas and below impervious surfaces;
- Soil materials with concentrations below the Part 375 Restricted-Residential SCOs may be reused anywhere within Non-SMP areas, including within areas not receiving impervious cover; and
- SMP requirements will govern soil management, endpoint sampling, and disposal requirements for soil materials excavated from within SMP areas. Soil materials excavated from the SMP areas cannot be reused within the project limits and must be legally disposed of off-site. All material to be used within the SMP areas to backfill trenches, restore grade, prepare for turf establishment, etc. must come from a NYSDEC-approved source and conform to the requirements of the applicable SMP.

Past Investigations

Past investigations are summarized as follows:

1. July 2010 Field Investigation Findings Report:
    a. Six samples of catch basin sediment were collected to be representative of project area surface sediments. None of the six samples exceeded Part 375 Commercial SCOs; all were below Part 375 Commercial SCOs.

b. Soil samples were collected at eight boring locations. Results from one of the eight soil sample locations indicated material above RCRA hazardous criteria. Results from the remaining seven boring locations were below Part 375 Commercial SCOs.

c. Groundwater samples were collected at four boring locations. Results from all four groundwater samples exceeded NYSDEC Technical and Operations Guidance Series Class GA standards (TOGS Class GA standards).

2. October 2010 Supplemental Field Investigation Findings Report:

   a. Soil samples were collected at four boring locations. Soil samples SB-7B and SB-8B were collected and held at the laboratory pending results of samples SB-7A and SB-8A. The delineation samples SB-7B and SB-8B were not run due to the sample results of SB-7A and SB-A, which were both below Part 375 Commercial SCOs.

   b. Groundwater samples from three locations were analyzed. All exceeded TOGS Class GA standards.

   c. A fourth sample for radium only was collected at one boring location. Results from the groundwater sample did not exceed NYSDEC TOGS Class GA standards for radium.

3. 2014 PW Grosser letter report:

   a. Two out of three sample locations exceeded Part 375 Commercial SCOs.

   b. The three sampled GW locations exceeded NYSDEC TOGS Class GA standards.

Current Site Investigation

In October and November 2014 soil samples were collected from forty-two boring locations located along Herb Hill Road and Garvies Point Road (Figure 3). Twenty-one borings were located within the proposed roadway (Roadway samples), nineteen were within temporary or permanent easements required for the Project (Fee Taking/ Acquisitions samples), and two were within areas that will be disturbed during installation of new drainage outfalls (Outfall samples). Samples were collected from the soil borings in five-foot vertical intervals to a depth of five feet below the lowest utility line to be installed as part of the Project (Appendix A). Six groundwater samples were collected from select borings to evaluate groundwater quality as it might affect Project dewatering activities, if required. Analytical results are provided in Appendix B and

summarized in the attached Tables, including Table 25 – Soil Sample Part 375 Soil Cleanup Objectives Exceedances.

Roadway Samples

Seventy-five soil samples were collected for laboratory analyses from the roadway soil borings. Analytical results indicated that no VOC, semi-volatile organic compounds (SVOC), PCB, pesticide, or herbicide concentrations exceeded the Part 375 Commercial SCOs.

Arsenic and lead were the only soil contaminants from the roadway soil borings that exceeded the Part 375 Commercial SCOs. The total constituent analyses for these contaminants indicated, based on the USEPA 20:1 liquid-to-soil ratio (USEPA 20:1 ratio) used during the Toxicity Characteristic Leaching Procedure (TCLP) analysis, that these samples might exceed RCRA hazardous waste criteria; accordingly, the samples were submitted for TCLP analyses. The arsenic and lead results were not indicative of RCRA hazardous materials.

Fee Taking/Acquisitions Samples

Forty-four soil samples were collected for laboratory analyses from the Fee Taking/Acquisitions soil borings. Analytical results indicated that no VOC, SVOC, pesticide, or herbicide concentrations exceeding the Part 375 Commercial SCOs.

Arsenic, chromium, lead, Arochlor-1248, and Arochlor-1254 were the only soil contaminants from the Fee Taking/Acquisitions soil borings that exceeded the Part 375 Commercial SCOs and the USEPA 20:1 ratio, at a total of five soil boring locations. These samples (excluding PCBs) were submitted for TCLP analyses to determine whether these soils would be considered hazardous. All of the arsenic, chromium, and lead sample results were not indicative of RCRA hazardous materials.

Lead-210, Pottassium-40, Protactinium-231, Radium-226, and Radium-228 were detected consistently at concentrations exceeding the USEPA Direct Ingestion of Soil (DIS) soil screening

levels (SSL) in the roadway and Fee Taking/Acquisitions soil sample throughout the project area.

Groundwater Samples

Groundwater samples were located throughout the Site to produce a representation of the subsurface water contaminants within the project area. One groundwater sample was collected from each of six selected bore holes: SSBR-1, SSBR-7, SSBR-10, SSBR-15, SSBR-18, and SSBR-20. Each of the six samples was further split into a filtered and unfiltered sample resulting in 12 total groundwater samples.

Several VOCs (chlorobenzene, 1,2-dichloroethane, 1,1-dichloroehtane, acetone, cis-1,2-dichloroethene, chloroform, PCE, TCE, and vinyl chloride) were detected at four groundwater sample locations at concentrations exceeding the TOGS Class GA standards. 3&4-methylphenol and chrysene were at two groundwater sample locations at concentrations exceeding the TOGS Class GA standards. Heptachlor was detected at one groundwater sample location at a concentration exceeding the TOGS Class GA standards.

Aluminum, antimony, arsenic, beryllium, cadmium, chromium, copper, iron, lead, manganese, nickel, selenium, and zinc were detected in several groundwater samples at concentrations exceeding the TOGS Class GA standards. Arsenic and lead were detected in both the unfiltered and filtered in four groundwater sample locations, which indicates that the observed contamination is in a liquid form (dissolved phase) and not attached to sediment particles within the groundwater sample. The remaining groundwater contamination is likely associated with natural/background conditions for this section of Long Island. Radium-226 and Radium-228 were detected in three groundwater sample locations at concentrations exceeding the TOGS Class GA standards.

Conclusions

Based on the above findings GF developed Hazardous Materials Plans (Appendix C) that delineate through hatching areas within the project limits that exceed the Part 375 Commercial SCOs, exceed

RCRA hazardous material limits, or in which SMPs apply with specific material handling requirements. The Contractor is required to comply with the existing SMPs developed for the Brownfield/Superfund sites when working within these properties. Additionally, the Contractor is required to comply with Special Notes concerning both soil and groundwater management, included in the Contract Bid Documents, when working in both SMP and Non-SMP areas during construction activities.

The Contractor will develop a Contaminated Material Handling Plan (CHMP) in accordance with NYSDOT requirements. The CMHP shall describe the procedures to be used to segregate contaminated soil during excavation, soil storage/stockpile procedures, and safety and health issues. Contaminated soil not exceeding the Part 375 Commercial SCOs can be reused within the project limits in Non-SMP areas beneath impervious surfaces as embankment fill or other appropriate uses, provided it is consistent with the requirements of NYSDOT Section 203–1.08, under the generic 6NYCRR Part 360–1.15(b) beneficial use determination for nonhazardous, contaminated soil which has been excavated as part of a construction project, other than a department-approved or undertaken inactive hazardous waste disposal site remediation program, and which is used as backfill for the same excavation or excavations containing similar contaminants at the same site. The Contractor shall provide potential contaminated soil reuse locations for approval prior to soil excavation activities.

If groundwater is encountered during excavation activities and dewatering is required, the Contractor will manage the groundwater effluent according to the results of 2010 and 2014 site investigations conducted along the project area. Specifically, metal (arsenic and lead) concentrations exceeding the TOGS Class GA standards are located throughout the project corridor and will require proper management as metal-contaminated. VOC (and metal) concentrations exceeding the TOGS Class GA standards are located from the Gladsky site eastward and will require proper management as metal-contaminated during dewatering operations.

The Contractor shall prepare a Health and Safety Plan (HASP) for approval in accordance with the provisions of the Occupational Safety and Health Administration (OSHA) 40 Code of Federal

Regulations (CFR) 1910.120 and 1926. The HASP shall cover appropriate guidelines to protect its employees from exposure to the soil and groundwater contaminants identified during the SIs. Additionally, the Contractor will be required to provide specific OSHA health and safety training/provisions for its employees working with soils that have radiological properties. Although, no soil samples revealed the presence of radiological contaminants exceeding the Inhalation of Fugitive Dust standard, the Contractor must not disregard the potential health impacts these contaminants can have to the construction workers.

1.0 INTRODUCTION

Gannett Fleming Engineers, P.C. (GF), on behalf of Sidney B. Bowne and Son, LLP (Bowne), the City of Glen Cove (City), and the New York State Department of Transportation (NYSDOT) has prepared this Contaminated Materials Assessment Report (CMAR) for the Reconstruction of Herb Hill Road and Garvies Point Road project (Project; see Figure 1) based on the results of a Site Investigation (SI) carried out from October 2014 through January 2015. The scope of the assignment was to supplement the 2010 SIs, to further characterize subsurface soil and to assess groundwater quality in preparation for excavation, soil disposal, and possible dewatering activities that are anticipated to occur during road improvement efforts in this area.

This report describes the purpose of the supplemental SI, on-site investigation activities, analytical results, conclusions, and recommendations.

1.1 Background

The City of Glen Cove proposes to implement roadway reconstruction to provide improved access to the Glen Cove Ferry Terminal and overall waterfront area abutting Glen Cove Creek for vehicular, pedestrian, and bicycle traffic. The Garvies Point/Herb Hill Road Reconstruction Project follows the Glen Cove Road Extension Project, which was completed in 2007. The successful overall redevelopment of the waterfront area envisioned by the City of Glen Cove will include the completed Glen Cove Road Extension Project, the Garvies Point/Herb Hill Road Reconstruction project, the Glen Cove Ferry Terminal and Boat Basin Project. Once complete, the newly reconstructed roadways will complete the roadway system designed to provide transportation improvements between the redeveloped waterfront area, the City of Glen Cove downtown area, and the Glen Cove Arterial Highway.

The Garvies Point/Herb Hill Road Reconstruction Project will consist of full depth reconstruction of the road section, providing concrete curbs and sidewalks in compliance with ADA guidelines, new sanitary and water lines, utility conduits, and new and/or modified

drainage infrastructure. Aside from anticipated Right-of-Way (ROW) Acquisitions and Permanent and Temporary Easements for the purpose of grading restorations, drainage and landscaping, the work in this project will be confined to the identified roadways.

The total approximate overall length of the proposed construction project is 0.9 miles (4,800 feet). The termini of the project on the Garvies Point Road portion of the project are the vicinity of the boat ramp on Garvies Point Road on the west and its intersection with Herb Hill Road and Dickson Street on the east for a distance of 0.7 miles (3,600 feet). The project continues north from this intersection on Dickson Street for a distance of 0.09 miles (450 feet). The termini of the project on the Herb Hill Road portion of the project are the intersection with Garvies Point Road/Dickson Street on the west and a point 500 feet west of the intersection of Herb Hill Road and Charles Street on the east for a distance of 0.1 miles (750 feet).

The project area is approximately 5 acres and is located at latitude 40°51'29.31" north and longitude 73°38'54.16" west. A site location map created from the United States Geological Survey (USGS) 7.5-minute “Sea Cliff, New York” Quadrangle is presented as Figure 1. An aerial photograph of the project area is presented on Figure 2.

1.2 Site Investigation

The purpose of this SI was to more accurately quantify impacted soil and assess groundwater quality that may be encountered, and to provide guidance for the handling, management, and disposal of contaminated materials during construction activities associated with the Project. The Site is an approximately 4,800-foot stretch of roadway which borders a commercial, light-industrial and heavy-industrial area which includes a number of sites currently undergoing environmental investigation and/or remediation.

A SI Sampling Plan was prepared to assess whether contamination may be encountered that would adversely impact construction. The results of the SI are intended to provide information to develop procedures to protect human health and safety, and the environment while appropriately managing contaminated soil and groundwater generated during construction.

Based on the intended project use (roadway), the Part 375 Commercial Soil Cleanup Objectives (SCOs) were used as a basis to determine which Non-SMP areas soil to be excavated would require off-site management and disposal. For the SMP areas, it is assumed that upon completion of any excavation greater than depths noted below, the Contractor shall perform endpoint sampling in accordance with SMP requirements applicable in that area. If material exceeds the applicable SMP-approved SCOs is encountered, the Contractor shall continue excavation activities under pay item 203.02 and conduct further endpoint sampling as required and as directed by the Owner/Engineer up to the limit of the Permanent or Temporary easement (project limits). In the event that residual contamination exceeding applicable SMP-required SCOs is encountered at the project limits based on the results of endpoint samples collected, the Contractor shall immediately notify the City of Glen Cove and appropriate regulatory agencies of such conditions.

- Li Tungsten SMP area (see Section 2.3): Endpoint sampling will be required after excavations to any depth, unless remediation of the SMP area by others is completed in advance of contract work within the area.
- Other SMP areas: Endpoint sampling will be required after excavations extending below the demarcation barrier or two feet below grade, whichever is shallower.

1.3 Report Organization

The Contaminated Materials Assessment Report is organized into four main sections (not including Section 1.0) as follows:

Section 2.0 describes the project descriptions, locations, and physical settings. Section 3.0 describes the overall SI methods and procedures. Section 4.0 includes the site-specific soil and groundwater sampling and analysis programs, analytical data results, and summaries of findings.

Section 5.0 presents the project-wide conclusions of the SI results and provides recommendations related to the findings and their impact on the proposed construction activities.

The recommendations should guide measures to protect human health and the environment during construction while appropriately managing contaminated soil and groundwater generated on the project.

2.0 SITE DESCRIPTION AND HISTORY

In 2010, a subsurface investigation was performed by GF at the Project site to generally characterize subsurface soil, catch basin sediment (indicative of surface sediments), and groundwater quality. The findings are summarized below for convenience.

2.1 Site Topography

The United States Geological Survey (USGS) 7.5-minute topographic map for the Sea Cliff quadrangle depicts basic topographic features of the area (Figure 1). The site is relatively flat and ranges in elevation from approximately 7 to 22 feet above mean sea level (MSL) with contours gently sloping westward toward Hempstead Harbor. The change in elevation from the west end (low) of the road to the east end (high) of the road is approximately 15 feet. There is no vegetation within the project area. The site's southwest limits are bordered by Glen Cove Creek. Nassau County Flood Insurance Rate Map (FIRM) # 36059C0107, Panel 107G, dated September 11, 2009, which indicates that the adjacent and surrounding areas to Glen Cove Creek and Hempstead Harbor are within the 100-year flood zone.

2.2 Site Geology and Soils

The geology of Garvies Point must be viewed as a part of the overall geology of Long Island. The solid bedrock upon which Long Island rests, and which is exposed in nearby New York City and Westchester County, occurs 400 feet below sea level at Garvies Point. About 70 million years ago, during the Cretaceous Period, sand and clay were spread over this bedrock surface in a shallow water coastal environment. The Cretaceous sands and clays are covered by younger deposits nearly everywhere on Long Island, but the shorefront cliffs at Garvies Point provide excellent exposures of these ancient sediments.

Most of Long Island's surface deposits are composed of material left behind when the last continental glacier melted back to the north. There are two basic types of glacial deposits: "till", which is made up of an unsorted mixture of rock debris from the largest boulders to the finest

clay; and “stratified drift” or “outwash”, which is composed of well sorted layers of clay, sand and gravel deposited by melt water streams from the ice.

At Garvies Point the glacial deposits are quite thin, consisting of three (3) to five (5) feet of till covering the Cretaceous sand. The most striking evidence left by the ice is the assortment of large boulders which were deposited as part of the till layer. The boulders also emphasize the variety of rocks that were plucked up from geologically diverse areas north of Long Island. They were carried along in the ice, as if on a huge conveyor belt, and finally dropped at the base or margin of the glacier. A few of the boulders bear the scars of their journey. If a boulder is transported for a distance at the bottom of a glacier, one or more surfaces may become flattened and polished or scored by a number of parallel grooves which are called "glacial polish" and "glacial striations or scratches.”

The exposed land consisted primarily of Cretaceous sands and clays cut by streams and rivers. The advancing ice shoved, folded and gouged the frozen surface deposits, and then covered them with younger glacial outwash and till. When the continental glaciers melted and the sea rose to its present level the valleys and low lying areas surrounding Long Island were flooded. This event left most of the Cretaceous deposits below sea level. It is only at a few spots on Long Island, such as Garvies Point, that pre-glacial hill of Cretaceous sediments are exposed above sea level.

Based on the soil survey of Nassau County, New York prepared by the United States Department of Agriculture (USDA) and Natural Resources Conservation Service (NRCS), the soils at the site are classified as udorthents, refuse substratum (Uf) which is characterized as “moderate to very slow permeability in the upper 24 to 48 inches and rapid to very slow in underlying material”, urban land (Ug), and Manahawkin muck (Ma) which is characterized as “moderate or moderately rapid in the surface and subsurface layers and moderately rapid to rapid in the substratum.”

2.3 Project Area and Adjacent Known Contaminated Areas

The project area borders a commercial, light-industrial and heavy-industrial area which includes a number of sites currently undergoing environmental investigation Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) with New York State in a supporting role; and the NYSDEC and at various stages for various reasons. Five of these sites are discussed in further detail below and are shown in Figure 2.

2.3.1 Captain's Cove Site

The Captain's Cove site, also known as the Captain's Cove Condominium Site, is an approximately 15.4-acre area located to the south of the westernmost section of Garvies Point Road. The Captain's Cove site is bordered to the south by Glen Cove Creek, to the east by Glen Cove Angler's Club, and to the west by a City of Glen Cove Industrial Development Agency (IDA)-owned property. This site was remediated under two authorities: the United States Environmental Protection Agency (USEPA) under the CERCLA with New York State in a supporting role; and the NYSDEC under the State Superfund Program.

The site formerly contained two areas where radioactive wastes and metal tailings were deposited by the Li Tungsten Corporation, in the eastern (Area G) and western (Area A) sections (shown on Figure 2). These areas contained radiological, arsenic, and lead contamination which have been remediated by the USEPA.

NYSDEC remediation included the removal of on-site soils contaminated with metals and organic compounds and backfill of these areas to near original grade using NYSDEC-approved material from both on- and off-site. Soil contamination remains at the Captain's Cove site below backfill, and a demarcation barrier was placed above the backfill and below a two-foot thick surface cover layer. Dredged sediments from Glen Cove Creek were used as part of the backfill material. The material was screened for radiation and was found to be below acceptable levels; however, it is possible that radioactive material is present in deeper soils which were placed on-site prior to remediation.

2.3.2 Crown Dykman Site

The Crown Dykman site is an approximately 1-acre area located at 66 Herb Hill Road, directly north of the easternmost section of the Garvies Point/Herb Hill Road Site. The Crown Dykman site was classified as a Class 2 inactive hazardous waste disposal site by the NYSDEC in 1992. Following this classification, an Initial Remedial Investigation/Feasibility Study was conducted in 1997, Site Investigations were completed in 1999, and a soil removal and interim remedial measure was completed in 2005. Soil investigation sampling results indicated that tetrachloroethene (PCE) and its degradation compounds trichloroethene (TCE), trans-1,2-dichloroethane, and vinyl chloride were present in exceedance of their respective limits in the southwestern portion of the site beginning at the water table and reaching depths of 25 feet bgs. Off-site sampling results indicated that the chlorinated solvent contamination extends to the south and the west of the site. The 2005 soil removal interim remedial measure included the removal of approximately 2,200 tons of contaminated soils from beneath the on-site building. Post-excavation sampling revealed that PCE contamination remains under the site's southwestern section, and the site is now undergoing the process of remediating this residual contamination.

2.3.3 Li Tungsten Site

The Li Tungsten Site is located to the north and south of the SB-8/GW-8 boring location on two parcels separated by Herb Hill Road and on two parcels within the Captain's Cove Condominium Site. Parcel A is an approximately seven acre parcel of land south of Herb Hill Road. Parcel B is an approximately five acre parcel of land north of Herb Hill Road, adjacent to the Crown Dykman site. Area A and Area G are approximately five acres and three acres, respectively, and are located within the Captain's Cove Condominium Site. The Li Tungsten site was formerly an industrial facility; during operations at the facility, raw ore, scrap materials processing and smelting operations were conducted to produce tungsten. The disposal of ore and other metals-producing residues occurred on-site and on the Captain's Cove site. The Li Tungsten site is listed on the National Priorities List (NPL) and has historically contained metals and radiological contamination in soil and groundwater throughout all parcels. Radiological

compounds have been removed from the area with the exception of an area immediately south of Garvies Point Road in the vicinity of a water main. Post-excavation sampling met radiological criteria. The selected groundwater remedy included no action other than long-term monitoring. Quarterly groundwater sampling for Target Analyte List (TAL) metals, thorium 232 and radium 226 is ongoing on- and off-site in wells located in the southern section of Area A, in the eastern section of Area G, and in the southern section of Parcel B. Results from these events show elevated TAL metals levels compared to New York State Ambient Water Quality Standards as provided in NYSDEC Technical and Operations Guidance Series Class GA standards (TOGS Class GA standards).

2.3.4 Gladsky Site

The Gladsky Brownfields site is located directly south of the SB-7/GW-7 boring location on an approximately 0.78-acre area which was formerly a marina and marine repair facility. The Gladsky site has undergone Phase I, Phase II, and Supplemental Phase II investigations and the NYSDEC has determined that there is on-site soil contamination from SVOCs (specifically benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene) and metals (specifically arsenic, cadmium, chromium, lead, nickel, and zinc); as well as on-site groundwater contamination from metals and volatile organic compounds (VOCs) (specifically TCE, 1,2-dichloroethene, and vinyl chloride). The property is currently undergoing remediation under New York State's Brownfield Cleanup Program (BCP) to address contamination and prepare the site for possible future development.

2.3.5 Powers Chemco Site

The Powers Chemco site is located north of the easternmost section of the Site on the Konica Minolta property. The Powers Chemco site is currently a parking lot and was formerly owned by the Columbia Ribbon & Carbon Manufacturing Company which used inks and solvents in their manufacturing process. Powers Chemco removed drums and soil from the site in 1984 and performed a supplemental hydrogeologic investigation and a Remedial Investigation/Feasibility Study (RI/FS) under a Consent Order. A Record of Decision (ROD) was signed in 1991, specifying the vacuum extraction of contaminated soils, groundwater collection and treatment,

and air emission controls. The March 2009 Limited Subsurface Investigation Report indicated that hazardous waste disposal has contaminated a sole source aquifer exceeding TOGS Class GA standards; significant levels of solvents (primarily toluene) are still present in groundwater and soil samples after the completion of the remedial efforts in accordance with the ROD. NYSDEC is evaluating the need for additional investigations to protect human health inside on-site buildings.

Due to the presence of these properties in close proximity to the Site, a site investigation was necessary to characterize sediment and subsurface soil for disposal and assess groundwater quality for dewatering efforts.

2.4 Previous Environmental Investigations and Remedial Activities - 2010

In June 2010, a subsurface investigation was performed at the Garvies Point/Herb Hill Road Site by GF. The scope of this investigation was to generally characterize sediment, subsurface soil, and assess groundwater quality in preparation for excavation, soil disposal, and possible dewatering activities that were anticipated to occur during road improvement activities in this area. The sediments samples were collected from six stormwater catch basins located along the north and south sides of Herb Hill Road and Garvies Point Road. Eight borings were advanced and twelve soil samples were collected along the southern boundaries of Herb Hill and Garvies Point Road. Four groundwater samples were collected from four select borings to evaluate groundwater quality for possible dewatering.

The soil sample analytical results were compared to NYSDEC Part 375 SCOs. Concentrations of polychlorinated biphenyls (PCBs), arsenic, cadmium, PCE, and TCE were detected throughout most of the project area. Arsenic and cadmium concentrations were detected toward the east end of Garvies Point Road, and elevated concentrations of PCE and TCE were detected on along Herb Hill Road.

The sediment samples that were collected where compared to NYSDEC SCOs. Arsenic, PCBs, PCE, and TCE were detected at concentrations exceeding method detection limits (MDLs), but

below RCRA hazardous levels. Arsenic concentrations were elevated going west down Garvies Point Road, and PCE and TCE concentrations were elevated going east down Garvies Point Road and Herb Hill Road.

Groundwater samples were compared to TOGS Class GA standards. Acetone, methyl tert-butyl ether (MTBE), arsenic, barium, calcium, chromium, cobalt, copper, magnesium, nickel, potassium, vanadium, zinc, 1,1-dichloroethane, PCE, and trans-1,2-dichloroethene were detected at concentrations exceeding the MDLs, but were below TOGS Class GA standards. Aluminum, arsenic, chromium, iron, lead, magnesium, manganese, sodium, thallium, zinc, cis-1,2 dichloroethene, PCE, TCE, and vinyl chloride were detected at concentrations exceeding MDLs and TOGS Class GA standards. Concentrations of acetone and MTBE were higher on the west end of Garvies Point Road. Elevated concentrations of 1,1-dichloroethene, trans-1,2-dichloroethene, cis-1,2 dichloroethene, PCE, TCE, and vinyl chloride were detected towards the east end of Garvies Point Road and on Herb Hill Road.

During this investigation, in an attempt to assess potential hazardous levels of soil, GF utilized USEPA Guidance for USEPA Method 1311 which states that if the total concentration of a compound is under 20 times the RCRA Hazardous Level, then Toxicity Characteristics Leaching Potential (TCLP) analyses is not necessary. In other words, if a waste is 100% solid, as defined by the TCLP method, then the results of the total constituent analysis may be divided by twenty to convert the total results into the maximum leachable concentration. This factor is derived from the 20:1 liquid-to-solid ratio (USEPA 20 to 1 rule) employed in the TCLP Method. If the total concentration is over the USEPA 20 to 1 rule, GF assumed the soil sample contained hazardous concentrations until confirmed by TCLP analyses.

2.4.1 Soil Sample Analytical Results

Soil sample SB-1 (0-5) reported concentrations of arsenic, Aroclor-1248, and Aroclor-1260 were below RCRA hazardous levels, soil sample SB-1 (5-10) reported concentrations of arsenic were below RCRA hazardous levels, soil sample SB-4 (0-5) reported concentrations of Aroclor-1260 were below RCRA hazardous levels, soil sample SB-5 (0-5) reported concentrations of arsenic,

cadmium, Aroclor-1248, and Aroclor-1260 below RCRA hazardous levels, soil sample SB-6 (0-5) reported concentrations of arsenic and Aroclor-1248 below RCRA hazardous levels, soil sample SB-8 (0-5) reported concentrations of PCE and TCE exceeding RCRA hazardous levels and soil sample SB-8 (5-10) reported concentrations of TCE below NYSDEC Part 375 SCOs. PCE was detected at concentrations exceeding RCRA hazardous levels.

The analytical results from soil sample SB-2 (0-5), SB-2 (5-10), SB-3 (0-5), SB-7 (0-5), SB-7 (5-10) reported concentrations for all compounds were below MDLs.

2.4.2 Catch Basin Sediment Samples Analytical Results

Sediment sample CB-1 reported concentrations of arsenic exceeding MDLs, but below RCRA hazardous levels, sediment sample CB-2 reported concentrations of arsenic, Aroclor-1248, and Aroclor-1260 exceeding MDLs, but below RCRA hazardous levels, sediment sample CB-3 reported concentrations of arsenic, Aroclor-1248, Aroclor-1254, and Aroclor-1260 exceeding MDLs, but below RCRA hazardous levels, sediment sample CB-4 reported concentrations of Aroclor-1260 exceeding MDLs, but below RCRA hazardous levels, sediment sample CB-5 reported concentrations of Aroclor-1248 exceeding MDLs, but below RCRA hazardous levels, and sediment sample CB-6 reported concentrations of PCE, TCE, and Aroclor-1248 exceeding MDLs, but below RCRA hazardous levels.

All remaining compounds not discussed were below MDLs.

2.4.3 Groundwater Sample Analytical Results

Groundwater analytical results reported concentrations of SVOCs, PCBs, pesticides, and herbicides below method detection limits.

VOCs

Groundwater analytical results from GW-1 reported concentrations of acetone and MTBE exceeded MDLs, but below TOGS Class GA standards.

Groundwater analytical results from GW-2 reported that no VOC concentrations exceeded MDLs or TOGS Class GA standards.

Groundwater analytical results from GW-7 reported concentrations of 1,1-dichloroethane, PCE, and trans-1,2-dichloroethene exceeding MDLs, but below TOGS Class GA standards. Cis-1,2 dichloroethene, TCE, and vinyl chloride were reported at concentrations exceeding MDLs and TOGS Class GA standards.

Groundwater analytical results from GW-8 reported concentrations of 1,1-dichloroethene and trans-1,2-dichloroethene exceeding MDLs, but below TOGS Class GA standards. Cis-1,2 dichloroethene, PCE, TCE, and vinyl chloride were detected at concentrations exceeding MDLs and TOGS Class GA standards.

Metals

Groundwater analytical results from GW-1 reported concentrations of arsenic, calcium, chromium, copper, potassium, and zinc exceeding MDLs, but below TOGS Class GA standards. Aluminum, iron, lead, magnesium, manganese, and sodium were reported at concentrations exceeding MDLs and TOGS Class GA standards.

Groundwater analytical results from GW-2 reported concentrations of arsenic, barium, calcium, cobalt, copper, magnesium, nickel, potassium, vanadium, and zinc exceeding MDLs, but below TOGS Class GA standards. Aluminum, chromium, iron, lead, manganese, and sodium were reported exceeding MDLs and TOGS Class GA standards.

Groundwater analytical results from GW-7 reported concentrations of calcium, cobalt, and potassium exceeding MDLs, but below TOGS Class GA standards. Aluminum, arsenic, iron, magnesium, manganese, sodium, thallium, and zinc were reported exceeding MDLs and TOGS Class GA standards.

Groundwater analytical results from GW-8 reported concentrations of barium, calcium, magnesium, and potassium exceeding MDLs, but below TOGS Class GA standards. Aluminum, iron, manganese, and sodium exceeded MDLs and TOGS Class GA standards.

2.4.2 Supplemental Soil Sample Analytical Results

In August 2010, a supplementary site investigation was performed to delineate the extent of RCRA hazardous levels of VOCs in soil, metals impacts, and potentially radioactive material at the Site due to the conclusions and recommendations of an initial site investigation. Delineation was necessary to prepare for excavation, soil disposal, and possible dewatering activities that are anticipated to occur during road improvement efforts in this area. Six additional soil boring locations were advanced along Herb Hill Road and Garvies Point Road with the collection of soil samples from four boring locations; and the collection of groundwater samples from the six additional boring locations.

AOC 1-Portion of Roadway adjacent to the Captain's Cove Superfund Site

- Metals impacts in groundwater
- Potential radioactive impacts in soil and groundwater

AOC 2-Roadway adjacent to the Gladsky Brownfield Site

- RCRA hazardous levels of chlorinated volatile organic compounds (VOCs) in soil
- Chlorinated VOCs and metals impacts in groundwater

AOC 3-Roadway adjacent to the Crown Dykman Site

- RCRA hazardous levels of chlorinated VOCs in soil
- Chlorinated VOCs and metals impacts in groundwater

The scope of this investigation was to delineate the extent of RCRA hazardous levels of VOCs, metals impacts, and potentially radioactive material in soil and groundwater due to the results of a previous investigation in preparation for excavation, soil disposal, and possible dewatering activities that are anticipated to occur during road improvement efforts in this area.

The following are the findings and further recommendations for each AOC:

AOC 1-Portion of Roadway adjacent to the Captain's Cove Superfund Site

Soil was field screened for radioactivity at two borings (SB-1A and SB-1B). The field screening did not indicate results exceeding background concentrations.

The groundwater analytical results reported non-detect concentrations for Radium-226 and Radium-228. Recent long term groundwater monitoring results, as part of the remedial action for Li Tungsten, have indicated similar results.

AOC 2-Roadway adjacent to the Gladsky Brownfield Site

Soil was analyzed for VOCs and metals from boring SB-7A. All VOCs and metals were reported as non-detect or below RCRA hazardous waste criteria. Therefore, no further action was required to delineate VOCs and metals west of this area.

The soil VOCs and metals concentrations in the area west of SB-7A should be taken into consideration with disposal activities, but GF does not anticipate hazardous disposal needs for soil based on these results.

The prior investigation results reported RCRA hazardous levels of chlorinated VOCs in the TCLP sample SB-7, located east of SB-7A. It is anticipated that RCRA hazardous soil will be encountered along the roadway between boring locations SB-7A and SB-8A.

Groundwater analytical results for GW-7A reported concentrations of cis-1,2-dichloroethene slightly exceeding TOGS Class GA standards. All additionally analyzed VOCs were reported as non-detect or below TOGS Class GA standards. Aluminum, iron, manganese, and sodium were reported exceeding MDLs and TOGS Class GA standards from GW-7A. All additionally analyzed metals were reported as non-detect or below TOGS Class GA standards. The VOCs and metals concentrations in the groundwater in this area should be taken for consideration with

dewatering and disposal activities, but GF does not anticipate hazardous disposal needs for groundwater dewatering effluent based on these results.

AOC 3-Roadway adjacent to the Crown Dykman Site

Soil was analyzed for VOCs and metals from boring SB-8A. All VOCs and metals were reported as non-detect or below RCRA hazardous waste criteria. Therefore, no further action was required to delineate VOCs and metals east of this area.

The soil VOC and metals concentrations in the area east of SB-8A should be taken into consideration with disposal activities, but GF does not anticipate hazardous disposal needs for soil based on these results.

The prior investigation results reported RCRA hazardous levels of chlorinated compounds (TCE and PCE) in the TCLP sample SB-8, located west of SB-8A. It is anticipated that potentially RCRA hazardous soil will be encountered along the roadway between SB-7A and SB-8A.

Groundwater analytical results reported concentrations of cis-1,2-dichloroethene, PCE, and TCE exceeding TOGS Class GA standards in groundwater sample GW-8A. GW-8B was analyzed due to the presence of these compounds in the delineation sample. Groundwater analytical results reported PCE concentrations slightly exceeding TOGS Class GA standards in groundwater sample GW-8B. All additionally analyzed VOCs were reported as non-detect or below TOGS Class GA standards. Aluminum, iron, manganese, and sodium were reported exceeding MDLs and TOGS Class GA standards in groundwater sample GW-8A and GW-8B. All additionally analyzed metals were reported as non-detect or below TOGS Class GA standards.

The VOCs and metals concentrations in the groundwater in this area should be taken into consideration for dewatering and effluent disposal activities, but GF does not anticipate hazardous disposal needs for groundwater dewatering effluent based on these results.

3.0 TECHNICAL APPROACH

Supplemental Site Investigation activities included the following:

- Boring locations were advance in a linear pattern at approximately 200-foot spacing. This equated to 42 soil boring locations (21 within road, 19 within abutting properties and 2 within outfalls);
- Soil sampling was conducted in continuous 5-foot depth increments to depth 5-feet below the deepest proposed utility in the area, to a maximum depth of 25 feet below existing grade; and,
- Six groundwater samples were collected from select boreholes based on location, field screening data and field observations.

All newly drilled and existing soil boring and groundwater sample locations are presented on Figure 3.

3.1 Utilities Clearance

New York One Call was notified by the driller, AB Environmental, and utility locations for drilling areas were marked-out prior to the commencement of drilling. GF marked out boring locations along Garvies Point and Herb Hill Roads in intervals following the scope of work as closely as possible, dependent upon field conditions.

3.2 Soil Boring Drilling and Sampling

Subsurface soil characterization included the advancement of twenty-one borings within the road, nineteen borings within abutting properties (Fee Taking/Acquisitions) and two within outfalls as presented on Figure 3. The roadway soil samples were collected from October 6, 2014 to October 23, 2014. The Fee Taking/Acquisitions soil samples were collected from November 17, 2014 to November 19, 2014.

Each boring location was advanced using a truck-mounted Geoprobe® (direct-push method). To prevent unexpected utility line interference, the first five feet of each bore hole was hand cleared using a hang auger. One soil sample was collected every five (5) feet until the last utility line was reached where an additional five feet was drilled.

The soil samples were collected from every 5 feet below grade (ft-bgs). Soil lithology was documented and logged on a soil boring log. Field screened soil vapor headspace were documented using a photoionization detector (PID) calibrated to a 100 parts per million (ppm) isobutylene standard. Soil boring logs are included in Appendix A.

Soil samples were placed into laboratory-supplied glassware, immediately stored in an ice-filled cooler, and shipped with chain-of-custody documentation to Pace Analytical Laboratories in Melville, New York, a NYSDOH-certified laboratory. Soil samples were analyzed for total VOCs (USEPA Method 8260), total SVOCs (USEPA Method 8270), total pesticides and PCBs (USEPA Method 8081/8082), herbicides (USEPA Method 8051), target analyte list (TAL) metals (USEPA Method 6010/7471), radium 226 (w/ & w/o 21 day in-growth period) by Method 903.0, radium 228 by Method 904.0, gamma spectroscopy (USEPA Method 901.1), and isotopic thorium & uranium (USEPA Method HSL-300). Only soil samples exhibiting contaminant concentrations exceeding twenty times the USEPA hazardous regulatory levels were analyzed by the TCLP method (only for those analytes exceeding 20 times the USEPA hazardous waste levels) and for RCRA hazardous waste characteristics (TCLP Metals by USEPA Method 1311/6010C).

3.3 Groundwater Sampling

Groundwater samples were located throughout the Site to produce a representation of the subsurface water contaminants within the project area. One groundwater sample was collected from each of six selected bore holes: SSBR-1, SSBR-7, SSBR-10, SSBR-15, SSBR-18, and SSBR-20. Each of the six samples was further split into a filtered and unfiltered sample resulting in 12 total groundwater samples.

For each groundwater sampling location the Geoprobe® Screen Point groundwater sampling system was used to advance a 1.05 in. OD, temporary PVC well casing screened across the water table. Groundwater samples were then collected through 3/8”x ½”-inch diameter dedicated-disposable polyethylene tubing using a peristaltic pump.

New disposable gloves were worn during sample collection and discarded after use. Water from the pump was transferred directly into to the sample bottles to minimize aeration of the sample. Special care was taken in filling and capping the VOC vials, so that no headspace or air bubbles were present. In addition, overflowing bottles were avoided to prevent the loss of floating substances or preservatives which may have already been added to the bottle. All sample bottle caps were secured snugly, but not over-tightened.

Sample bottles were placed in a cooler and packed with ice to maintain a temperature of approximately 4° Celsius. The coolers were kept out of the sun in a cool location prior to shipment to the laboratory.

Groundwater samples, were laboratory analyzed for TAL metals (USEPA Method 6010/7470), total VOCs (USEPA Method 8260), total SVOCs (USEPA Method 8270), pesticides (USEPA Method 8081), herbicides (USEPA Method 8081), radium 226 (w/ & w/o 21 day in-growth period) by Method 903.0, radium 228 by Method 904.0, gamma spectroscopy (USEPA Method 901.1), and isotopic thorium & uranium (USEPA Method HSL-300). The groundwater analytical results were compared to New York State Ambient Water Quality Standards as

provided in NYSDEC TOGS. All soil and groundwater samples collected were delivered with chain-of-custody documentation to a NYSDOH certified laboratory.

3.4 Analytical and Radiological Services

Analytical and radiological services were provided by Pace Analytical Laboratories in Melville, New York. Laboratory data reports were provided in the NYSDEC Full ASP Category B Deliverables reporting format. The laboratory analytical data reports are provided in Appendix B.

4.0 SUMMARY OF INVESTIGATION ACTIVITES AND FINDINGS

Soil and groundwater sample identification numbers and analyzed parameters are summarized in Table 1. Laboratory analytical data reports are included in Appendix B and presented in Tables 2 through 17. Soil analytical results were compared to NYSDEC Part 375 SCOs. Groundwater analytical results were compared to NYSDEC TOGS Class GA standards.

NYSDEC has not issued SCOs for radiological compounds; therefore, GF used the USEPA Soil Screening Guidance for Radionuclides: Technical Background Document (USEPA/540-R-00-007) – Soil Screening Levels (SSL) to assess potential exposure impacts to workers during construction activities. This guidance provides a methodology for environmental science/engineering professionals to calculate risk-based, site-specific, soil screening levels (SSLs), for radioactive contaminants in soil that may be used to identify areas needing further investigation. The SSLs are provided for guidance purposes only, and if site-specific cleanup criteria are required they must be developed on a case-by-case basis.

For this evaluation, USEPA provides SSLs for Ingestion of Homegrown Products, Direct Ingestion of Soil, Inhalation of Fugitive Dust, External Radiation Exposure, and Mitigation to Groundwater. Since, workers will likely be exposed to soil particles containing radiological compounds, Direct Ingestion of Soil (DIS) and Inhalation of Fugitive Dust (IFD) criteria were used, as these potential exposure pathways are more appropriate to evaluate workers' risks during construction rather than the other three potential exposure pathways (Homegrown Products, External Radiation Exposure, and Mitigation to Groundwater) which will not be evaluated or discussed in this report. GF used the most conservative (lowest concentration) SSL, as most of the detected radiological contaminants, even in minimal amounts, if ingested could cause serious health issues to construction workers.

Groundwater analytical results for radiological compounds were compared to NYSDEC's TOGS Class GA standards. The TOGS standards only provide groundwater quality standards (GQS)

for Radium-226 (3 pCi/L) and Radium-228 (5 pCi/L). NYSDEC does not provide GQS for the remaining radiological compounds that were analyzed by the laboratory. Consequently, comparison to TOGS GQS for Class GA was made only with regard to Radium-226 and Radium-228.

4.1 Supplemental Roadway Soil Sample Analytical Results

Soil sample analytical results for the roadway soil borings are presented in Tables 2 through 9. All of the results exceeding the NYSDEC Part 375 for Unrestricted Use SCOs, Residential SCOs, Restricted - Residential SCOs, Commercial SCOs, and Industrial SCOs have been highlighted within the tables.

4.1.1 SSBR-1

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-1 (0-5) and SSBR-1 (5-10) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil samples SSBR-1 (0-5) and SSBR-1 (5-10) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil samples SSBR-1 (0-5) and SSBR-1 (5-10) at concentrations exceeding the DIS criteria. Protactinium-231 was detected in soil sample SSBR-1 (0-5) at a concentration exceeding the DIS criteria.

4.1.2 SSBR-2

VOCs SVOCs and herbicides were not detected in soil samples SSBR-2 (0-5) and SSBR-2 (5-10) at concentrations exceeding the Part 375 SCOs. Arochlor-1260, dichlorodiphenyldichloroethylene (p,p'-DDE), chromium (total), lead, silver, and zinc were detected in soil samples SSBR-2 (0-5) SSBR-2 (5-10) at concentrations below the Commercial SCOs.

Lead-210, Potassium-40, Protactinium-231, and Radium-228 were detected in soil samples SSBR-2 (0-5) and SSBR-2 (5-10) at concentrations exceeding the DIS criteria.

4.1.3 SSBR-3

VOCs, SVOCs, PCBs, and herbicides were not detected in soil samples SSBR-3 (0-5) and SSBR-3 (5-10) at concentrations exceeding the Part 375 SCOs. Chromium (total), p,p'-DDE, dichlorodiphenyldichloroethane (p,p'-DDD), lead, and silver were detected in soil samples SSBR-3 (0-5) and SSBR-3 (5-10) at concentrations below the Commercial SCOs.

Arsenic was detected in soil sample SSBR-3 (5-10) at a concentration exceeding the Commercial and Industrial SCOs.

Lead-210, Protactinium-231, and Radium-228 were detected in soil sample SSBR-3 (0-5) at concentrations exceeding the DIS criteria. Lead-210 was detected in soil sample SSBR-3 (5-10) at a concentration exceeding the DIS.

4.1.4 SSBR-4

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-4 (0-5), SSBR-4 (5-10), and SSBR-4 (10-15) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil samples SSBR-4 (0-5) and SSBR-4 (5-10) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil sample SSBR-4 (0-5) at a concentration exceeding the DIS. Lead-210, Protactinium-231, and Radium-228 were detected in soil sample SSBR-4 (5-10) at concentrations exceeding the DIS criteria. Lead-210, Potassium-40, Protactinium-231, Radium-226, and Radium-228 were detected in soil sample SSBR-4 (10-15) at concentrations exceeding the DIS criteria.

4.1.5 SSBR-5

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-5 (0-5), SSBR-5 (5-10), and SSBR-5 (10-15) at concentrations exceeding the Part 375 SCOs.

Chromium (total) was detected in soil samples SSBR-5 (0-5), SSBR-5 (5-10), and SSBR-5 (10-15) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil sample SSBR-5 (0-5) at a concentration exceeding the DIS. Lead-210, Potassium-40, Protactinium-231, Radium-226, and Radium-228 were detected in soil samples SSBR-5 (5-10) and SSBR-5 (10-15) at concentrations exceeding the DIS criteria.

4.1.6 SSBR-6

VOCs, SVOCs, PCBs, and herbicides were not detected in soil samples SSBR-6 (0-5), SSBR-6 (5-10), SSBR-6 (10-15), and SSBR-6 (15-20) at concentrations exceeding the Part 375 SCOs. Chromium (total), lead, p,p'-DDD, and p,p'-DDE were detected in soil samples SSBR-6 (0-5), SSBR-6 (5-10), SSBR-6 (10-15), and SSBR-6 (15-20) at concentrations below the Commercial SCOs.

Lead-210 and Protactinium-231 were detected in soil sample SSBR-6 (0-5) at concentrations exceeding the DIS. Lead-210, Potassium-40, Protactinium-231, Radium-226, and Radium-228 were detected in soil samples SSBR-6 (5-10), SSBR-6 (10-15), and SSBR-6 (15-20) at concentrations exceeding the DIS criteria.

4.1.7 SSBR-7

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-7 (0-5), SSBR-7 (5-10), SSBR-7 (10-15), and SSBR-7 (15-20) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil samples SSBR-7 (0-5), SSBR-7 (5-10), SSBR-7 (10-15), and SSBR-7 (15-20) at concentrations below the Commercial SCOs.

Lead-210, Potassium-40, Protactinium-231, Radium-226, and Radium-228 were detected in soil samples SSBR-7 (0-5), SSBR-7 (10-15), and SSBR-7 (15-20) at concentrations exceeding the DIS criteria. Lead-210 and Protactinium-231 were detected in soil sample SSBR-7 (5-10) at concentrations exceeding the DIS.

4.1.8 SSBR-8

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-8 (0-5), SSBR-8 (5-10), SSBR-8 (10-15), and SSBR-8 (15-20) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil samples SSBR-8 (0-5), SSBR-8 (5-10), SSBR-8 (10-15), and SSBR-8 (15-20) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil samples SSBR-8 (0-5), SSBR-8 (5-10), SSBR-8 (10-15), and SSBR-8 (15-20) at concentrations exceeding the DIS criteria.

4.1.9 SSBR-9

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-9 (0-5), SSBR-9 (5-10), SSBR-9 (10-15), and SSBR-9 (15-20) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil samples SSBR-9 (0-5), SSBR-9 (5-10), and SSBR-9 (15-20) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil samples SSBR-9 (0-5), SSBR-9 (5-10), SSBR-9 (10-15), and SSBR-9 (15-20) at concentrations exceeding the DIS criteria. Radium-228 was detected in soil sample SSBR-9 (10-15) at a concentration exceeding the DIS criteria.

4.1.10 SSBR-10

SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-10 (0-5), SSBR-10 (10-15), and SSBR-10 (15-20) at concentrations exceeding the Part 375 SCOs. Acetone and chromium (total) were detected in soil samples SSBR-10 (0-5), SSBR-10 (5-10), SSBR-10 (10-15), and SSBR-10 (15-20) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil samples SSBR-10 (0-5), SSBR-10 (5-10), SSBR-10 (10-15), and SSBR-10 (15-20) at concentrations exceeding the DIS criteria. Protactinium-231 was detected in soil sample SSBR-10 (0-5) at a concentration exceeding the DIS criteria.

4.1.11 SSBR-11

VOCs, SVOCs, and herbicides were not detected in soil samples SSBR-11 (0-5), SSBR-11 (5-10), SSBR-11 (10-15), SSBR-11 (15-20), and SSBR-11 (20-25) at concentrations exceeding the Part 375 SCOs. Arochlor-1248, chromium (total), lead, and p,p'-DDD were detected in soil samples SSBR-11 (0-5), SSBR-11 (5-10), SSBR-11 (10-15), SSBR-11 (15-20), and SSBR-11 (20-25) at concentrations below the Commercial SCOs.

Lead-210 and Protactinium-231 were detected in soil sample SSBR-11 (0-5) at concentrations exceeding the DIS criteria. Lead-210, Protactinium-231, Radium-226, and Radium-228 were detected in soil samples SSBR-11 (5-10) and SSBR-11 (10-15) at concentrations exceeding the DIS. Lead-210, Protactinium-231, and Radium-226 were detected in soil sample SSBR-11 (15-20) at concentrations exceeding the DIS. Lead-210, Potassium-40, Protactinium-231, Radium-226, and Radium-228 were detected in soil sample SSBR-11 (20-25) at concentrations exceeding the DIS criteria.

4.1.12 SSBR-12

SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-12 (5-10), SSBR-12 (10-15), SSBR-12 (15-20), and SSBR-12 (20-25) at concentrations exceeding the Part 375 SCOs. Acetone and chromium (total) were detected in soil samples SSBR-12 (0-5), SSBR-12 (5-10), SSBR-12 (10-15), SSBR-12 (15-20), and SSBR-12 (20-25) at concentrations below the Commercial SCOs.

Lead-210, Potassium-40, Radium-226, and Radium-228 were detected in soil samples SSBR-12 (0-5) and SSBR-12 (15-20) at concentrations exceeding the DIS criteria. Lead-210, Potassium-40, Protactinium-231, Radium-226, and Radium-228 were detected in soil sample SSBR-12 (5-10) at concentrations exceeding the DIS criteria. Lead-210, Potassium-40, Protactinium-231, and Radium-226 were detected in soil sample SSBR-12 (10-15) at concentrations exceeding the DIS criteria. Lead-210, Protactinium-231, Radium-226, and Radium-228 were detected in soil sample SSBR-12 (20-25) at concentrations exceeding the DIS criteria.

4.1.13 SSBR-13

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-13 (1-5), SSBR-13 (5-10), SSBR-13 (10-15), SSBR-13 (15-20), and SSBR-13 (20-25) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil samples SSBR-13 (1-5), SSBR-13 (5-10), SSBR-13 (10-15), SSBR-13 (15-20), and SSBR-13 (20-25) at concentrations below the Commercial SCOs.

Lead-210, Potassium-40, Protactinium-231, Radium-226, and Radium-228 were detected in soil samples SSBR-13 (5-10), SSBR-13 (10-15), SSBR-13 (15-20), and SSBR-13 (20-25) at concentrations exceeding the DIS criteria. Lead-210 and Radium-228 were detected in soil sample SSBR-13 (1-5) at concentrations exceeding the DIS.

4.1.14 SSBR-14

SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-14 (1-5), SSBR-14 (5-10), SSBR-14 (10-15), SSBR-14 (15-20), and SSBR-14 (20-25) at concentrations exceeding the Part 375 SCOs. Acetone, chromium (total), and manganese were detected in soil samples SSBR-14 (1-5), SSBR-14 (5-10), SSBR-14 (10-15), and SSBR-14 (20-25) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil sample SSBR-14 (1-5) at a concentration exceeding the DIS. Lead-210, Potassium-40, Protactinium-231, Radium-226, and Radium-228 were detected in soil samples SSBR-14 (5-10), SSBR-14 (15-20), and SSBR-14 (20-25) at concentrations exceeding the DIS criteria. Lead-210, Protactinium-231, Radium-226, and Radium-228 were detected in soil sample SSBR-14 (10-15) at concentrations exceeding the DIS.

4.1.15 SSBR-15

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-15 (1-5), SSBR-15 (5-10), SSBR-15 (10-15), SSBR-15 (15-20), and SSBR-15 (20-25) at concentrations exceeding the Part 375 SCOs. Chromium (total) and copper were detected in soil

samples SSBR-15 (1-5), SSBR-15 (15-20), and SSBR-15 (20-25) at concentrations below the Commercial SCOs.

Arsenic was detected in soil sample SSBR-15 (1-5) at a concentration exceeding the Commercial and Industrial SCOs.

Lead-210 and Protactinium-231 were detected in soil sample SSBR-15 (1-5) at concentrations exceeding the DIS criteria. Lead-210, Protactinium-231, and Radium-226 were detected in soil sample SSBR-15 (5-10) at concentrations exceeding the DIS criteria. Lead-210, Potassium-40, Protactinium-231, Radium-226, and Radium-228 were detected in soil samples SSBR-15 (10-15) and SSBR-15 (15-20) at concentrations exceeding the DIS criteria. Lead-210, Potassium-40, Protactinium-231, and Radium-226 were detected in soil sample SSBR-15 (20-25) at concentrations exceeding the DIS criteria.

4.1.16 SSBR-16

SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-16 (1-5), SSBR-16 (5-10), and SSBR-16 (10-15) at concentrations exceeding the Part 375 SCOs. Acetone and chromium (total) were detected in soil samples SSBR-16 (1-5), SSBR-16 (5-10), and SSBR-16 (10-15) at concentrations below the Commercial SCOs.

Lead-210, Protactinium-231, and Radium-228 were detected in soil sample SSBR-16 (1-5) at concentrations exceeding the DIS. Lead-210 was detected in soil sample SSBR-16 (5-10) at a concentration exceeding the DIS criteria. Lead-210 and Protactinium-231 were detected in soil sample SSBR-16 (10-15) at concentrations exceeding the DIS.

4.1.17 SSBR-17

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-17 (1-5), SSBR-17 (5-10), and SSBR-17 (10-15) at concentrations exceeding the Part 375 SCOs. Chromium (total), copper, lead, and selenium were detected in soil samples at concentrations below the Commercial SCOs.

Arsenic was detected in soil samples SSBR-17 (1-5), SSBR-17 (5-10), and SSBR-17 (10-15) at concentrations exceeding the Commercial and Industrial SCOs.

Lead-210, Potassium-40, Radium-226, and Radium-228 were detected in soil sample SSBR-17 (1-5) at concentrations exceeding the DIS. Lead-210 was detected in soil samples SSBR-17 (5-10) and SSBR-17 (10-15) at concentrations exceeding the DIS criteria.

4.1.18 SSBR-18

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-18 (1-5), SSBR-18 (5-10), and SSBR-18 (10-15) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil samples SSBR-18 (1-5), SSBR-18 (5-10), and SSBR-18 (10-15) at concentrations below the Commercial SCOs.

Lead-210, Potassium-40, and Protactinium-231 were detected in soil sample SSBR-18 (1-5) at concentrations exceeding the DIS. Lead-210 was detected in soil samples SSBR-18 (5-10) and SSBR-18 (10-15) at concentrations exceeding the DIS criteria.

4.1.19 SSBR-19

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-19 (1-5), SSBR-19 (5-10), and SSBR-19 (10-15) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil samples SSBR-19 (1-5), SSBR-19 (5-10), and SSBR-19 (10-15) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil samples SSBR-19 (1-5), SSBR-19 (5-10), and SSBR-19 (10-15) at concentrations exceeding the DIS criteria.

4.1.20 SSBR-20

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-20 (1-5), SSBR-20 (5-10), and SSBR-20 (10-15) at concentrations exceeding the Part 375 SCOs.

Chromium (total) was detected in soil samples SSBR-20 (1-5), SSBR-20 (5-10), and SSBR-20 (10-15) at concentrations below the Commercial SCOs.

Lead-210, Potassium-40, and Protactinium-231 were detected in soil sample SSBR-20 (1-5) at concentrations exceeding the DIS criteria. Lead-210, Protactinium-231, Radium-226, and Radium-226 were detected in soil sample SSBR-20 (5-10) at concentrations exceeding the DIS. Lead-210 and Radium-228 were detected in soil sample SSBR-20 (10-15) at concentrations exceeding the DIS.

4.1.21 SSBR-21

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SSBR-21 (1-5), SSBR-21 (5-10), and SSBR-21 (10-15) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil samples SSBR-21 (1-5), SSBR-21 (5-10), and SSBR-21 (10-15) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil samples SSBR-21 (1-5), SSBR-21 (5-10), and SSBR-21 (10-15) at concentrations exceeding the DIS criteria. Potassium-40 was detected in soil sample SSBR-21 (1-5) at a concentration exceeding the DIS.

4.2 Fee Taking/Acquisitions Soil Sample Analytical Results

Soil sample analytical results for the Fee Taking/Acquisitions soil borings are presented in Tables 10 through 17. All results exceeding the NYSDEC Part 375 Industrial SCOs have been highlighted within the tables.

4.2.1 SBFT-1

SVOCs, PCBs, and herbicides were not detected in soil samples SBFT-1 (0-5), SBFT-1 (5-10), and SBFT-1 (10-15) at concentrations exceeding the Part 375 SCOs. Acetone, chromium (total), p,p’-DDD, and p,p'-dichlorodiphenyltrichloroethane (DDT) were detected in soil samples SBFT-1 (0-5) and SBFT-1 (5-10) at concentrations below the Commercial SCOs.

Arsenic was detected in soil sample SBFT-1 (10-15) at a concentration exceeding the Commercial and Industrial SCOs.

Lead-210 was detected in soil samples SBFT-1 (0-5), SBFT-1 (5-10), and SBFT-1 (10-15) at concentrations exceeding the DIS criteria. Potassium-40 was detected in soil sample SBFT-1 (0-5) at a concentration exceeding the DIS criteria. Protactinium-231 was detected in soil sample SBFT-1 (10-15) at a concentration exceeding the DIS criteria.

4.2.2 SBFT-2

SVOCs, PCBs, and herbicides were not detected in soil samples SBFT-2 (0-5), SBFT-2 (5-10), and SBFT-2 (10-15) at concentrations exceeding the Part 375 SCOs. Acetone, chromium (total) Copper, lead, mercury, p,p'-DDE, silver, and zinc were detected in soil samples SBFT-2 (0-5), SBFT-2 (5-10), and SBFT-2 (10-15) at concentrations below the Commercial SCOs.

Arsenic was detected in soil sample SBFT-2 (5-10) at a concentration exceeding the Commercial and Industrial SCOs.

Lead-210 and Radium-228 were detected in soil samples SBFT-2 (0-5), SBFT-2 (5-10), and SBFT-2 (10-15) at concentrations exceeding the DIS criteria. Potassium-40 was detected in soil samples SBFT-2 (0-5) and SBFT-2 (10-15) at concentrations exceeding the DIS criteria. Protactinium-231 and Radium-226 were detected in soil samples SBFT-2 (0-5) and SBFT-2 (5-10) at a concentration exceeding the DIS criteria.

4.2.3 SBFT-3

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SBFT-3 (0-5) and SBFT-3 (5-10) at concentrations exceeding the Part 375 SCOs. Chromium (total) and copper were detected in soil samples SBFT-3 (0-5) and SBFT-3 (5-10) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil samples SBFT-3 (0-5) and SBFT-3 (5-10) at concentrations exceeding the DIS criteria. Protactinium-231 was detected in soil sample SBFT-3 (5-10) at a concentration exceeding the DIS criteria.

4.2.4 SBFT-4

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil sample SBFT-4 (0-5) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil sample SBFT-4 (0-5) at a concentration below the Commercial SCOs.

Lead-210 was detected in soil sample SBFT-4 (0-5) at a concentration exceeding the DIS criteria.

4.2.5 SBFT-5

VOCs, SVOCs, and herbicides were not detected in soil samples SBFT-5 (0-5), SBFT-5 (5-10), SBFT-5 (10-15), and SBFT-5 (15-20) at concentrations exceeding the Part 375 SCOs. Arochlor-1248, Arochlor-1254, chromium (total), copper, dieldrin, p,p'-DDD, p-p'-DDE, and p,p'-DDT were detected in soil samples SBFT-5 (0-5), SBFT-5 (5-10), SBFT-5 (10-15), and SBFT-5 (15-20) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil samples SBFT-5 (0-5), SBFT-5 (5-10), SBFT-5 (10-15), and SBFT-5 (15-20) at concentrations exceeding the DIS criteria. Potassium-40 and Radium-228 were detected in soil samples SBFT-5 (10-15) and SBFT-5 (15-20) at concentrations exceeding the DIS criteria. Protactinium-231 was detected in soil samples SBFT-5 (5-10), SBFT-5 (10-15), and SBFT-5 (15-20) at concentrations exceeding the DIS criteria. Radium-226 was detected in soil sample SBFT-5 (15-20) at a concentration exceeding the DIS criteria.

4.2.6 SBFT-6

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SBFT-6 (0-5), SBFT-6 (5-10), and SBFT-6 (10-15) at concentrations exceeding the Part 375 SCOs.

Chromium (total) was detected in soil samples SBFT-6 (0-5), SBFT-6 (5-10), and SBFT-6 (10-15) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil samples SBFT-6 (0-5), SBFT-6 (5-10), and SBFT-6 (10-15) at concentrations exceeding the DIS criteria. Protactinium-231 and Radium-228 were detected in soil sample SBFT-6 (0-5) at concentrations exceeding the DIS criteria.

4.2.7 SBFT-7

VOCs, SVOCs, PCBs, and herbicides were not detected in soil samples SBFT-7 (0-5) and SBFT-7 (5-10) at concentrations exceeding the Part 375 SCOs. Chromium (total) and p,p'-DDD were detected in soil samples SBFT-7 (0-5) and SBFT-7 (5-10) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil samples SBFT-7 (0-5) and SBFT-7 (5-10) at concentrations exceeding the DIS criteria.

4.2.8 SBFT-8

VOCs, SVOCs, PCBs, and herbicides were not detected in soil samples SBFT-8 (0-5) and SBFT-8 (5-10) at concentrations exceeding the Part 375 SCOs. Chromium (total), p,p'-DDE, and p,p'-DDT were detected in soil samples SBFT-8 (0-5) and SBFT-8 (5-10) at concentrations below the Commercial SCOs.

Lead-210, Potassium-40, Protactinium-231, and Radium-226 were detected in soil samples SBFT-8 (0-5) and SBFT-8 (5-10) at concentrations exceeding the DIS criteria. Radium-228 was detected in soil sample SBFT-8 (0-5) at a concentration exceeding the DIS criteria.

4.2.9 SBFT-9

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SBFT-9 (0-5) and SBFT-9 (5-10) at concentrations exceeding the Part 375 SCOs. Chromium (total) was

detected in soil samples SBFT-9 (0-5) and SBFT-9 (5-10) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil samples SBFT-9 (0-5) and SBFT-9 (5-10) at concentrations exceeding the DIS criteria.

4.2.10 SBFT-10

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SBFT-10 (0-5) and SBFT-10 (5-10) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil samples SBFT-10 (0-5) and SBFT-10 (5-10) at concentrations below the Commercial SCOs.

Lead-210 and Protactinium-231 were detected in soil samples SBFT-10 (0-5) and SBFT-10 (5-10) at concentrations exceeding the DIS criteria. Radium-226 was detected in soil sample SBFT-10 (0-5) at a concentration exceeding the DIS criteria.

4.2.11 SBFT-11

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SBFT-11 (0-5), SBFT-11 (5-10), SBFT-11 (10-15), SBFT-11 (15-20), and SBFT-11 (20-25) at concentrations exceeding the Part 375 SCOs. Arsenic, chromium (total), and copper were detected in soil samples SBFT-11 (0-5), SBFT-11 (10-15), SBFT-11 (15-20), and SBFT-11 (20-25) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil samples SBFT-11 (0-5), SBFT-11 (5-10), SBFT-11 (10-15), SBFT-11 (15-20), and SBFT-11 (20-25) at concentrations exceeding the DIS criteria. Potassium-40 was detected in soil samples SBFT-11 (10-15), SBFT-11 (15-20), and SBFT-11 (20-25) at concentrations exceeding the DIS criteria. Protactinium-231 was detected in soil samples SBFT-11 (0-5), SBFT-11 (5-10), SBFT-11 (15-20), and SBFT-11 (20-25) at concentrations exceeding the DIS criteria. Radium-226 was detected in soil samples SBFT-11 (5-10), SBFT-11 (10-15), SBFT-11 (15-20), and SBFT-11 (20-25) at concentrations exceeding

the DIS criteria. Radium-228 was detected in soil samples SBFT-11 (5-10) and SBFT-11 (20-25) at concentrations exceeding the DIS criteria.

4.2.12 SBFT-12

VOCs, SVOCs, and herbicides were not detected in soil sample SBFT-12 (0-5) at concentrations exceeding the Part 375 SCOs. Arochlor-1254, chromium (total), lead, mercury, p,p'-DDD, p-p'-DDE, p,p'-DDT, and silver were detected in soil sample SBFT-12 (0-5) at concentrations below the Commercial SCOs.

Arsenic was detected in soil sample SBFT-12 (0-5) at a concentration exceeding the Commercial and Industrial SCOs.

Lead-210 and Protactinium-231 were detected in soil sample SBFT-12 (0-5) at a concentration exceeding the DIS criteria.

4.2.13 SBFT-13

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil sample SBFT-13 (0-5) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil sample SBFT-13 (0-5) at a concentration below the Commercial SCOs.

Lead-210 and Protactinium-231 were detected in soil sample SBFT-13 (0-5) at a concentration exceeding the DIS criteria.

4.2.14 SBFT-14

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SBFT-14 (0-5), SBFT-14 (5-10), and SBFT-14 (10-15) at concentrations exceeding the Part 375 SCOs. Chromium (total) and copper were detected in soil samples SBFT-14 (0-5) and SBFT-14 (5-10) at concentrations below the Commercial SCOs.

Lead-210 and Potassium-40 were detected in soil samples SBFT-14 (0-5), SBFT-14 (5-10), and SBFT-14 (10-15) at concentrations exceeding the DIS criteria. Protactinium-231 was detected in soil sample SBFT-14 (0-5) at a concentration exceeding the DIS criteria. Radium-226 and Radium-228 were detected in soil sample SBFT-14 (10-15) at concentrations exceeding the DIS criteria.

4.2.15 SBFT-15

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SBFT-15 (0-5), SBFT-15 (5-10), and SBFT-15 (10-15) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil samples SBFT-15 (0-5), SBFT-15 (5-10), and SBFT-15 (10-15) at concentrations below the Commercials SCOs.

Lead-210 was detected in soil samples SBFT-15 (0-5), SBFT-15 (5-10), and SBFT-15 (10-15) at concentrations exceeding the DIS criteria. Potassium-40 and Protactinium-231 were detected in soil sample SBFT-15 (0-5) at concentrations exceeding the DIS criteria.

4.2.16 SBFT-16

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil samples SBFT-16 (0-5), SBFT-16 (5-10), and SBFT-16 (10-15) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil samples SBFT-16 (0-5), SBFT-16 (5-10), and SBFT-16 (10-15) at concentrations below the Commercial SCOs.

Lead-210 was detected in soil samples SBFT-16 (0-5), SBFT-16 (5-10), and SBFT-16 (10-15) at concentrations exceeding the DIS criteria. Potassium-40 was detected in soil sample SBFT-16 (0-5) at a concentration exceeding the DIS criteria.

4.2.17 SBFT-17

SVOCs, PCBs, pesticides, and herbicides were not detected in soil sample SBFT-17 (0-5) at concentrations exceeding the Part 375 SCOs. Acetone and chromium (total) were detected in soil sample SBFT-17 (0-5) at concentrations below the Commercial SCOs.

Copper was detected in soil sample SBFT-17 (0-5) at a concentration exceeding the Commercial SCOs.

Lead-210 and Potassium-40 were detected in soil sample SBFT-17 (0-5) at concentrations exceeding the DIS criteria.

4.2.18 SBFT-18

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil sample SBFT-18 (0-5) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil sample SBFT-18 (0-5) at a concentration below the Commercial SCOs.

Lead-210 was detected in soil sample SBFT-18 (0-5) at a concentration exceeding the DIS criteria.

4.2.19 SBFT-19

VOCs, SVOCs, and herbicides were not detected in soil samples SBFT-19 (0-5) and SBFT-19 (5-10) at concentrations exceeding the Part 375 SCOs. Arochlor-1248, Arochlor-1254, Arochlor-1260, chromium (total), lead, dieldrin, and p,p'-DDE were detected in soil samples SBFT-19 (0-5) and SBFT-19 (5-10) at concentrations below the Commercial SCOs.

Lead-210, Protactinium-231, and Radium-226 were detected in soil samples SBFT-19 (0-5) and SBFT-19 (5-10) at concentrations exceeding the DIS criteria. Potassium-40 was detected in soil sample SBFT-19 (0-5) at a concentration exceeding the DIS criteria.

4.3 Outfall Soil Samples Analytical Results

Soil sample analytical results are presented in Tables 2 through 17. All of the results exceeding the NYSDEC Part 375 Industrial SCOs have been highlighted within the tables.

4.3.1 SBOF-1

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in soil sample SBOF-1 (0-5) at concentrations exceeding the Part 375 SCOs. Chromium (total) was detected in soil sample SBOF-1 (0-5) at a concentration below the Commercial SCOs.

Lead-210 was detected in soil sample SBOF-1 (0-5) at a concentration exceeding the DIS criteria.

4.3.2 SBOF-2

VOCs, SVOCs, PCBs, and herbicides were not detected in soil sample SBOF-2 (0-5) at concentrations exceeding the Part 375 SCOs. Chromium (total) and p-p'-DDT were detected in soil sample SBOF-2 (0-5) at a concentration below the Commercial SCOs.

Lead-210 was detected in soil sample SBOF-2 (0-5) at a concentration exceeding the DIS criteria.

4.5 TCLP Analytical Results

Several locations were identified during an initial review of the analytical results which contain concentrations which exceeded the USEPA 20 to 1 rule. Three roadway soil boring locations (SSBR-2, SSBR-3, and SSBR-17) contained either arsenic or lead concentrations which exceeded the USEPA 20 to 1 rule. Soil sample SSBR-2 (0-5) (lead), soil sample SSBR-3 (5-10) (arsenic), soil sample SSBR-15 (1-5) (arsenic), soil sample SSBR-17 (1-5) (arsenic), soil sample SSBR-17 (5-10) (arsenic and lead), and soil sample SSBR-17 (10-15) (arsenic) contained concentrations exceeding 100 milligrams per kilogram (mg/kg) which exceeded the USEPA 20 to 1 rule (5 milligrams per liter [mg/L)]). These soil samples were submitted for TCLP analyses which indicated that all sample results were below the 5 mg/L RCRA Hazardous Level (Table 8).

Two Fee Taking/Acquisitions soil boring locations (SBFT-2 and SBFT-5) contained either chromium or lead concentrations which exceeded the USEPA 20 to 1 rule. Soil sample SBFT-2

(0-5) (lead), soil sample SBFT-5 (0-5) (lead), and soil sample SBFT-5 (5-10) (chromium) contained concentrations exceeding 100 mg/kg which exceeded the USEPA 20 to 1 rule (5 mg/L). These soil samples were submitted for TCLP analyses which indicated that all sample results were below the 5 mg/L RCRA Hazardous Level (Table 16).

4.5 Groundwater Analytical Results

Groundwater analytical results were compared to NYSDEC's TOGS Class GA standards, including radiological compounds. The TOGS standards only provide groundwater quality standards (GQS) for Radium-226 (3 pCi/L) and Radium-228 (5 pCi/L). NYSDEC does not provide GQS for the remaining radiological compounds that were analyzed by the laboratory. Consequently, comparison to TOGS GQS for Class GA was made only with regard to Radium-226 and Radium-228.

Groundwater sample analytical results are presented in Tables 18 through 24. All of the results exceeding the TOGS Class GA standards have been highlighted within the tables.

4.5.1 GW-SSBR-1

VOCs, SVOCs, PCBs, pesticides, herbicides, Radium-226, and Radium-228 were not detected in groundwater samples GW-SSBR-1-U and GW-SSBR-1-F at concentrations exceeding the TOGS Class GA standards.

Aluminum, antimony, arsenic, chromium, iron, lead, magnesium, manganese, and selenium were detected in groundwater sample GW-SSBR-1-U at concentrations exceeding the TOGS Class GA standards. Aluminum, arsenic, chromium, iron, lead, magnesium, manganese, and selenium were detected in groundwater sample GW-SSBR-1-F at concentrations exceeding the TOGS Class GA standards.

4.5.2 GW-SSBR-7

VOCs, SVOCs, PCBs, pesticides, and herbicides were not detected in groundwater samples GW-SSBR-7-U and GW-SSBR-7-F at concentrations exceeding the TOGS Class GA standards.

Aluminum, iron, manganese, and selenium were detected in groundwater sample GW-SSBR-7-U at concentrations exceeding the TOGS Class GA standards. Aluminum, iron, and manganese were detected in groundwater sample GW-SSBR-7-F at concentrations exceeding the TOGS Class GA standards.

Radium-226 and Radium-228 were detected in groundwater sample GW-SSBR-7-U at concentrations exceeding the TOGS Class GA standards. Radium-226 and Radium-228 were not detected in groundwater sample GW-SSBR-7-F at concentrations exceeding the TOGS Class GA standards.

4.5.3 GW-SSBR-10

SVOCs, PCBs, pesticides, and herbicides were not detected in groundwater samples GW-SSBR-10-U and GW-SSBR-10-F at concentrations exceeding the TOGS Class GA standards.

Chlorobenzene was detected in groundwater sample GW-SSBR-10-U at a concentration exceeding the TOGS Class GA standards. Aluminum, iron, lead, and manganese were detected in groundwater samples GW-SSBR-10-U and GW-SSBR-10-F at concentrations exceeding the TOGS Class GA standards.

Radium-226 was detected in groundwater sample GW-SSBR-10-F at a concentration exceeding the TOGS Class GA standards. Radium-228 was not detected in groundwater sample GW-SSBR-10-U at a concentration exceeding the TOGS Class GA standards.

4.5.4 GW-SSBR-15

PCBs, pesticides, herbicides, Radium-226, and Radium-228 were not detected in groundwater samples GW-SSBR-15-U and GW-SSBR-15-F at concentrations exceeding the TOGS Class GA standards.

1,2-Dichloroethane, 1,1-Dichloroethane, cis-1,2-dichloroethene, TCE, and vinyl chloride were detected in groundwater sample GW-SSBR-15-U at concentrations exceeding the TOGS Class GA standards. 1,2-Dichloroethane, 1,1-Dichloroethane, acetone, cis-1,2-dichloroethene, TCE, and vinyl chloride were detected in groundwater sample GW-SSBR-15-F at concentrations exceeding the TOGS Class GA standards. 3&4-Methylphenol was detected in groundwater samples GW-SSBR-15-U and GW-SSBR-15-F at concentrations exceeding the TOGS Class GA standards. Heptachlor epoxide was detected in groundwater samples GW-SSBR-15-U and GW-SSBR-15-F at concentrations exceeding the TOGS Class GA standards.

Aluminum, arsenic, iron, and manganese were detected in groundwater samples GW-SSBR-15-U and GW-SSBR-15-F at concentrations exceeding the TOGS Class GA standards.

4.5.5 GW-SSBR-18

PCBs and herbicides were not detected in groundwater samples GW-SSBR-18-U and GW-SSBR-18-F at concentrations exceeding the TOGS Class GA standards.

Cis-1,2-dichloroethene, chloroform, PCE, TCE, and vinyl chloride were detected in groundwater samples GW-SSBR-18-U and GW-SSBR-18-F at concentrations exceeding the TOGS Class GA standards. Chrysene was detected in groundwater sample GW-SSBR-18-F at a concentration exceeding the TOGS Class GA standards.

Aluminum, antimony, arsenic, beryllium, cadmium, chromium, copper, iron, lead, manganese, nickel, selenium, and zinc were detected in groundwater sample GW-SSBR-18-U at concentrations exceeding the TOGS Class GA standards. Aluminum, antimony, arsenic, cadmium, chromium, iron, lead, manganese, nickel, and zinc were detected in groundwater sample GW-SSBR-18-F at concentrations exceeding the TOGS Class GA standards.

Radium-226 and Radium-228 were detected in groundwater sample GW-SSBR-18-U at concentrations exceeding the TOGS Class GA standards. Radium-226 and Radium-228 were

not detected in groundwater sample GW-SSBR-18-F at concentrations exceeding the TOGS Class GA standards.

4.5.6 GW-SSBR-20

SVOCs, PCBs, pesticides, herbicides, Radium-226, and Radium-228 were not detected in groundwater samples GW-SSBR-20-U and GW-SSBR-20-F at concentrations exceeding the TOGS Class GA standards.

Cis-1,2-dichloroethene, PCE, and vinyl chloride were detected in groundwater samples GW-SSBR-20-U and GW-SSBR-20-F at concentrations exceeding the TOGS Class GA standards.

Aluminum, chromium, iron, and manganese were detected in groundwater sample GW-SSBR-20-U at concentrations exceeding the TOGS Class GA standards. Aluminum, iron, and manganese were detected in groundwater sample GW-SSBR-20-F at concentrations exceeding the TOGS Class GA standards.

5.0 CONCLUSIONS AND RECOMMENDATIONS

GF, on behalf of Sidney B. Bowne, LLC has prepared this Contaminated Materials Assessment Report for the SI conducted at the Garvies Point Road/Herb Hill Site for the City of Glen Cove. The scope of this was to perform a supplemental characterization of subsurface soil and to assess groundwater quality in preparation for excavation, soil disposal, and possible dewatering activities that are anticipated to occur during road improvement efforts in this area. NYSDEC Part 375 SCO exceedances are presented in Table 25.

5.1 Roadway Soil Sample Analytical Results

Twenty-one soil (roadway) borings were advanced to various depths in accordance with the proposed construction activities within the project area. Seventy-five soil samples were collected for laboratory analyses from the roadway soil borings.

Analytical results indicated that no VOC, SVOC, PCB, pesticide, or herbicide concentrations were detected exceeding the Commercial SCOs. Acetone, Arochlor-1248, Arochlor-1260, p-p'-DDD, p-p'-DDE, chromium, copper, lead, selenium, silver, and zinc, were all detected at concentrations below the Commercial SCOs along the project area.

Arsenic was detected in soil samples SSBR-3 (5-10) (STA AC2+00), SSBR-15 (1-5) (STA 27+00), and SSBR-17 (1-5), (5-10), and (10-15) (STA 31+00) at concentrations exceeding the Commercial SCOs and exceeding the USEPA 20 to 1 rule. Additional TCLP analysis was performed on these soil samples to assess whether the arsenic concentrations would be considered RCRA hazardous. All of the arsenic sample results exceeding the Commercial SCOs did not provide indications of potential hazardous waste in accordance with RCRA hazardous waste criteria.

Lead was detected in soil samples SSBR-2 (0-5) (STA AC1+00) and SSBR-3 (5-10) (STA AC2+00) at concentrations exceeding the USEPA 20 to 1 rule which were also collected for TCLP

analyses. All of the lead sample results exceeding the USEPA 20 to 1 rule did not provide indications of potential hazardous waste in accordance with RCRA hazardous waste criteria.

Lead-210, Pottassium-40, Protactinium-231, Radium-226, and Radium-228 were detected consistently at concentrations exceeding the USEPA DIS SSL in the roadway soil sample throughout the project area.

5.2 Fee Taking/Acquisitions Soil Sample Analytical Results

Nineteen soil (Fee Taking/Acquisitions) borings were advanced to various depths in accordance with proposed project excavation depths. Forty-four soil samples were collected for laboratory analyses from the Fee Taking/Acquisitions soil borings.

Analytical results indicated that no VOC, SVOC, pesticide, or herbicide concentrations were detected exceeding the Commercial SCOs. Acetone, Arochlor-1248, Arochlor-1254, Arochlor-1260, dieldrin, p-p'-DDD, p-p'-DDE, p-p'-DDT, chromium, copper, lead, mercury, silver, and zinc, were all detected at concentrations below the Commercial SCOs along the project area.

Arsenic was detected in soil samples SBFT-1 (10-15) (STA 2+00), SBFT-2 (5-10) (STA 4+00), and SBFT-12 (0-5) (STA 30+00) at concentrations exceeding the Commercial SCOs and exceeding the USEPA 20 to 1 rule. Additional TCLP analysis was performed on these soil samples to assess whether the arsenic concentrations would be considered RCRA hazardous. All of the arsenic sample results exceeding the Commercial SCOs did not provide indications of potential hazardous waste in accordance with RCRA hazardous waste criteria.

Lead was detected in soil samples SBFT-2 (5-10) (STA 4+00) and SBFT-5 (0-5) (STA 12+00) at concentrations exceeding the USEPA 20 to 1 rule which were also collected for TCLP analyses. All of the lead sample results exceeding the USEPA 20 to 1 rule did not provide indications of potential hazardous waste in accordance with RCRA hazardous waste criteria. Chromium (total) was detected in soil sample SBFT-5 (0-5) (STA 12+00) at a concentration exceeding the USEPA 20 to 1 rule which was also collected for TCLP analyses. The chromium (total) sample result

exceeding the USEPA 20 to 1 rule did not provide indications of potential hazardous waste in accordance with RCRA hazardous waste criteria. Copper was detected in soil sample SBFT-17 (0-5) (STA 2+25) (Herb Hill Road) at a concentration exceeding the Commercial SCO and the USEPA 20 to 1 rule which was also collected for TCLP analyses. The copper sample result exceeding the USEPA 20 to 1 rule did not provide indications of potential hazardous waste in accordance with RCRA hazardous waste criteria.

Arochlor-1248 and Arochlor-1254 was detected in soil samples SBFT-19 (0-5) and (5-10) (STA 6+25) (Herb Hill Road) at concentrations exceeding the Commercial SCOs.

Lead-210, Pottassium-40, Protactinium-231, Radium-226, and Radium-228 were detected consistently at concentrations exceeding the USEPA DIS SSL in the Fee Taking/Acquisitions soil sample throughout the project area.

5.3 Outfall Soil Sample Analytical Results

Two soil samples were collected from the borings advanced to assess impacts of proposed stormwater outfall construction activities.

Analytical results indicated that no VOC, SVOC, pesticide, or herbicide concentrations were detected exceeding the Commercial SCOs. Chromium and p-p'-DDT was detected at concentrations below the Commercial SCOs from these sample locations.

Lead-210 was detected in both soil samples at concentrations exceeding the USEPA DIS SSL.

5.4 Groundwater Sample Analytical Results

Six groundwater sampling locations were collected to represent the project area. Twelve groundwater samples (filtered and unfiltered) were collected for laboratory analyses from the six groundwater sampling locations.

Analytical results indicated that no PCB or herbicide concentrations were detected exceeding the TOGS Class GA standards. Several VOCs (chlorobenzene, 1,2-dichloroethane, 1,1-dichloroehtane, acetone, cis-1,2-dichloroethene, chloroform, PCE, TCE, and vinyl chloride) were detected at groundwater sample locations GW-SSBR-10-U (STA 16+90), GW-SSBR-15 (U and F) (STA 27+00), GW-SSBR-18 (U and F) (STA 0+00) (Herb Hill Road), and GW-SSBR-20 (U and F) (STA 4+00) (Herb Hill Road) at concentrations exceeding the TOGS Class GA standards.

3&4-methylphenol and chrysene were at groundwater sample location GW-SSBR-15 (U and F) (STA 27+00) and GW-SSBR-18 (U and F) (STA 0+00) (Herb Hill Road), respectively, at concentrations exceeding the TOGS Class GA standards. Heptachlor was detected at groundwater sample location GW-SSBR-15 (U and F) (STA 27+00) at concentrations exceeding the TOGS Class GA standards.

Aluminum, antimony, arsenic, beryllium, cadmium, chromium, copper, iron, lead, manganese, nickel, selenium, and zinc were detected in several groundwater samples collected during the SI at concentrations exceeding the TOGS Class GA standards. Arsenic and lead were detected in both the unfiltered and filtered in groundwater samples GW-SSBR-1, GW-SSBR-10, GW-SSBR-15, and GW-SSBR-18 at concentrations exceeding the TOGS Class GA standards, which indicates that the observed contamination is in a liquid form (dissolved phase) and not attached to sediment particles within the groundwater sample. The remaining groundwater contamination is likely associated with natural/background conditions for this section of Long Island.

Radium-226 was detected in groundwater samples GW-SSBR-7-U, GW-SSBR-10-F, and GW-SSBR-18-U at concentrations exceeding the TOGS Class GA standards. Radium-228 was detected in groundwater samples GW-SSBR-7-U and GW-SSBR-18-U at concentrations exceeding the TOGS Class GA standards.

5.5 Previous Environmental Sample Results

Soil, sediment, and groundwater investigation activities were conducted in 2010 at areas along Garvies Point and Herb Hill Road to assess potential impacts from contaminated materials during proposed construction activities.

Soil sample results detected arsenic, Aroclor-1248, and Aroclor-1260 at concentrations below RCRA hazardous levels, soil sample SB-8 (0-5) detected PCE and TCE at concentrations exceeding RCRA hazardous levels, and soil sample SB-8 (5-10) detected TCE at concentrations below NYSDEC Part 375 SCOs. PCE was detected at concentrations exceeding RCRA hazardous levels. Sediment sample results detected arsenic, PCE, TCE, Aroclor-1248, Aroclor-1254, and Aroclor-1260 at concentrations exceeding MDLs, but below RCRA hazardous levels.

Groundwater analytical results detected acetone, 1,1-dichloroethene, trans-1,2-dichloroethene, cis-1,2 dichloroethene, MTBE, TCE, PCE, and vinyl chloride at concentrations exceeding MDLs, but below TOGS Class GA standards. Groundwater analytical results detected arsenic, barium, calcium, cobalt, copper, magnesium, nickel, potassium, vanadium, and zinc at concentrations exceeding MDLs, but below TOGS Class GA standards. Aluminum, arsenic, chromium, iron, magnesium, manganese, sodium, thallium, and zinc were detected at concentrations exceeding MDLs and TOGS Class GA standards.

The prior investigation results reported RCRA hazardous levels of chlorinated compounds (TCE and PCE) in the TCLP sample SB-8, located west of soil boring SB-8A. It is anticipated that potentially hazardous soil will be encountered along the roadway in the vicinity of soil boring SB-8 (STA 2+00) (Herb Hill Road).

5.6 Contaminated Materials Management

The soil analytical results for the entire project areas indicate that six sample locations contain arsenic concentrations exceeding the Commercial SCOs (non-hazardous waste soil), one sample location contained copper concentrations exceeding the Commercial SCOs (non-hazardous waste

soil), one sample location contained PCB concentrations exceeding the Commercial SCOs (non-hazardous waste soil), and one sample location contained TCE/PCE concentrations exceeding RCRA hazardous levels. These soil areas will require excavation and off-site disposal and the soils from these areas and cannot be reused within Non-SMP areas of the project area.

Based on the above findings GF developed Hazardous Materials Plans (Appendix C) that delineate through hatching areas within the project limits that exceed the Part 375 Commercial SCOs, exceed RCRA hazardous material limits, or in which SMPs apply with specific material handling requirements. The Contractor is required to comply with the existing SMPs developed for the Brownfield/Superfund sites when working within these properties. Additionally, the Contractor is required to comply with Special Notes concerning both soil and groundwater management, included in the Contract Bid Documents, when working in both SMP and Non-SMP areas during construction activities.

The Contractor will develop a Contaminated Material Handling Plan (CHMP) in accordance with NYSDOT requirements. The CMHP shall describe the procedures to be used to segregate contaminated soil during excavation, soil storage/stockpile procedures, and safety and health issues. Contaminated soil not exceeding the Part 375 Commercial SCOs can be reused within the project limits in Non-SMP areas beneath impervious surfaces as embankment fill or other appropriate uses, provided it is consistent with the requirements of NYSDOT Section 203–1.08, under the generic 6NYCRR Part 360–1.15(b) beneficial use determination for nonhazardous, contaminated soil which has been excavated as part of a construction project, other than a department-approved or undertaken inactive hazardous waste disposal site remediation program, and which is used as backfill for the same excavation or excavations containing similar contaminants at the same site. The Contractor shall provide potential contaminated soil reuse locations for approval prior to soil excavation activities.

If groundwater is encountered during excavation activities and dewatering is required, the Contractor will manage the groundwater effluent according to the results of this investigation and the results of previous investigations conducted along the project area. Specifically, metal (arsenic and lead) contaminated groundwater exceeding the TOGS Class GA standards is located throughout

the project corridor and will require proper management as metal contaminated. VOC contaminated groundwater is located from approximately STA 27+00 through STA 4+00 (Herb Hill Road) and is likely attributable to impacts from adjacent properties/operations. The VOC contaminated groundwater will require proper management during dewatering operations.

5.7 Health and Safety Provisions

The Contractor will also have to prepare a Health and Safety Plan (HASP) for approval in accordance with the provisions of the Occupational Safety and Health Administration (OSHA) 40 Code of Federal Regulations (CFR) 1910.120 and 1926. The HASP shall cover appropriate guidelines to protect their employees from exposure to the soil and groundwater contaminants identified during the SI.

Additionally, the Contractor will be required to provide specific OSHA health and safety training/provisions for their employees working with soils that have radiological properties. GF used the most conservative USEPA SSL (Direct Ingestion of Soil), as most of the radiological contaminants if ingested could cause severe health issues to the construction workers. Although, no soil samples revealed the presence of radiological contaminants exceeding the Inhalation of Fugitive Dust, the Contractor should not disregard the potential health impacts these contaminants can have to the construction workers.

TABLES

Table 1 - Soil and Groundwater Sample Identification and Analytical Parameters
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Boring Location	Sample Depth (ft-bgs)	Sample ID	Matrix	Analytical Parameters						
				VOCs	SVOCs	TAL Metals	PCBs	Pesticides	Herbicides	Radiological
SBOF-1	0-5 foot	SBOF-1 (0-5)	Soil	x	x	x	x	x	x	x
SSBR-1	0-5 foot	SSBR-1 (0-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SSBR-1 (5-10)	Soil	x	x	x	x	x	x	x
	U = unfiltered	GW-SSBR-1-U	Groundwater	x	x	x	x	x	x	x
	F = filtered	GW-SSBR-1-F	Groundwater	x	x	x	x	x	x	x
SSBR-2	0-5 foot	SSBR-2 (0-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SSBR-2 (5-10)	Soil	x	x	x	x	x	x	x
SSBR-3	0-5 foot	SSBR-3 (0-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SSBR-3 (5-10)	Soil	x	x	x	x	x	x	x
SSBR-4	0-5 foot	SSBR-4 (0-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SSBR-4 (5-10)	Soil	x	x	x	x	x	x	x
	10-15 foot	SSBR-4 (10-15)	Soil	x	x	x	x	x	x	x
SSBR-5	0-5 foot	SSBR-5 (0-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SSBR-5 (0-5)	Soil	x	x	x	x	x	x	x
	10-15 foot	SSBR-5 (0-5)	Soil	x	x	x	x	x	x	x
SSBR-6	0-5 foot	SSBR-6 (0-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SSBR-6 (5-10)	Soil	x	x	x	x	x	x	x
	10-15 foot	SSBR-6 (10-15)	Soil	x	x	x	x	x	x	x
	15-20 foot	SSBR-6 (15-20)	Soil	x	x	x	x	x	x	x
SSBR-7	0-5 foot	SSBR-7 (0-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SSBR-7 (5-10)	Soil	x	x	x	x	x	x	x
	10-15 foot	SSBR-7 (10-15)	Soil	x	x	x	x	x	x	x
	15-20 foot	SSBR-7 (15-20)	Soil	x	x	x	x	x	x	x
	U = unfiltered	GW-SSBR-7-U	Groundwater	x	x	x	x	x	x	x
	F = filtered	GW-SSBR-7-F	Groundwater	x	x	x	x	x	x	x
SSBR-8	0-5 foot	SSBR-8 (0-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SSBR-8 (5-10)	Soil	x	x	x	x	x	x	x
	10-15 foot	SSBR-8 (10-15)	Soil	x	x	x	x	x	x	x
SSBR-9	0-5 foot	SSBR-9 (0-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SSBR-9 (5-10)	Soil	x	x	x	x	x	x	x
	10-15 foot	SSBR-9 (10-15)	Soil	x	x	x	x	x	x	x
	15-20 foot	SSBR-9 (15-20)	Soil	x	x	x	x	x	x	x
SSBR-10	0-5 foot	SSBR-10 (0-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SSBR-10 (5-10)	Soil	x	x	x	x	x	x	x
	10-15 foot	SSBR-10 (10-15)	Soil	x	x	x	x	x	x	x
	15-20 foot	SSBR-10 (15-20)	Soil	x	x	x	x	x	x	x
	U = unfiltered	GW-SSBR-10-U	Groundwater	x	x	x	x	x	x	x
	F = filtered	GW-SSBR-10-F	Groundwater	x	x	x	x	x	x	x

Table 1 - Soil and Groundwater Sample Identification and Analytical Parameters
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Boring Location	Sample Depth (ft-bgs)	Sample ID	Matrix	Analytical Parameters						
				VOCs	SVOCs	TAL Metals	PCBs	Pesticides	Herbicides	Radiological
SSBR-11	0-5 foot	SSBR-11 (0-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SSBR-11 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SSBR-11 (10-15)		x	x	x	x	x	x	x
	15-20 foot	SSBR-11 (15-20)		x	x	x	x	x	x	x
	20-25 foot	SSBR-11 (20-25)		x	x	x	x	x	x	x
SSBR-12	0-5 foot	SSBR-12 (0-5)		x	x	x	x	x	x	x
	5-10 foot	SSBR-12 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SSBR-12 (10-15)		x	x	x	x	x	x	x
	15-20 foot	SSBR-12 (15-20)		x	x	x	x	x	x	x
	20-25 foot	SSBR-12 (20-25)		x	x	x	x	x	x	x
SSBR-13	1-5 foot	SSBR-13 (1-5)		x	x	x	x	x	x	x
	5-10 foot	SSBR-13 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SSBR-13 (10-15)		x	x	x	x	x	x	x
	15-20 foot	SSBR-13 (15-20)		x	x	x	x	x	x	x
	20-25 foot	SSBR-13 (20-25)		x	x	x	x	x	x	x
SSBR-14	1-5 foot	SSBR-14 (1-5)		x	x	x	x	x	x	x
	5-10 foot	SSBR-14 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SSBR-14 (10-15)		x	x	x	x	x	x	x
	15-20 foot	SSBR-14 (15-20)		x	x	x	x	x	x	x
	20-25 foot	SSBR-14 (20-25)		x	x	x	x	x	x	x
SSBR-15	1-5 foot	SSBR-15 (1-5)		x	x	x	x	x	x	x
	5-10 foot	SSBR-15 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SSBR-15 (10-15)		x	x	x	x	x	x	x
	15-20 foot	SSBR-15 (15-20)		x	x	x	x	x	x	x
	20-25 foot	SSBR-15 (20-25)		x	x	x	x	x	x	x
	U = unfiltered	GW-SSBR-15-U	Groundwater	x	x	x	x	x	x	x
	F = filtered	GW-SSBR-15-F		x	x	x	x	x	x	x
SSBR-16	1-5 foot	SSBR-16 (1-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SSBR-16 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SSBR-16 (10-15)		x	x	x	x	x	x	x
SSBR-17	1-5 foot	SSBR-17 (1-5)		x	x	x	x	x	x	x
	5-10 foot	SSBR-17 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SSBR-17 (10-15)		x	x	x	x	x	x	x
SSBR-18	1-5 foot	SSBR-18 (1-5)		x	x	x	x	x	x	x
	5-10 foot	SSBR-18 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SSBR-18 (10-15)		x	x	x	x	x	x	x
	U = unfiltered	GW-SSBR-18-U	Groundwater	x	x	x	x	x	x	x
	F = filtered	GW-SSBR-18-F		x	x	x	x	x	x	x

Table 1 - Soil and Groundwater Sample Identification and Analytical Parameters
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Boring Location	Sample Depth (ft-bgs)	Sample ID	Matrix	Analytical Parameters						
				VOCs	SVOCs	TAL Metals	PCBs	Pesticides	Herbicides	Radiological
SSBR-19	1-5 foot	SSBR-19 (1-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SSBR-19 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SSBR-19 (10-15)		x	x	x	x	x	x	x
SSBR-20	1-5 foot	SSBR-20 (1-5)		x	x	x	x	x	x	x
	5-10 foot	SSBR-20 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SSBR-20 (10-15)		x	x	x	x	x	x	x
	U = unfiltered	GW-SSBR-20-U	Groundwater	x	x	x	x	x	x	x
	F = filtered	GW-SSBR-20-F		x	x	x	x	x	x	x
SSBR-21	1-5 foot	SSBR-21 (1-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SSBR-21 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SSBR-21 (10-15)		x	x	x	x	x	x	x
SBFT-1	0-5 foot	SBFT-1 (0-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SBFT-1 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SBFT-1 (10-15)		x	x	x	x	x	x	x
SBFT-2	0-5 foot	SBFT-2 (0-5)		x	x	x	x	x	x	x
	5-10 foot	SBFT-2 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SBFT-2 (10-15)		x	x	x	x	x	x	x
SBFT-3	0-5 foot	SBFT-3 (0-5)		x	x	x	x	x	x	x
	5-10 foot	SBFT-3 (5-10)		x	x	x	x	x	x	x
SBFT-4	0-5 foot	SBFT-4 (0-5)		x	x	x	x	x	x	x
SBFT-5	0-5 foot	SBFT-5 (0-5)		x	x	x	x	x	x	x
	5-10 foot	SBFT-5 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SBFT-5 (10-15)		x	x	x	x	x	x	x
	15-20 foot	SBFT-5 (15-20)		x	x	x	x	x	x	x
SBFT-6	0-5 foot	SBFT-6 (0-5)		x	x	x	x	x	x	x
	5-10 foot	SBFT-6 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SBFT-6 (10-15)		x	x	x	x	x	x	x
SBFT-7	0-5 foot	SBFT-7 (0-5)		x	x	x	x	x	x	x
	5-10 foot	SBFT-7 (5-10)		x	x	x	x	x	x	x
SBFT-8	0-5 foot	SBFT-8 (0-5)		x	x	x	x	x	x	x
	5-10 foot	SBFT-8 (5-10)		x	x	x	x	x	x	x
SBFT-9	0-5 foot	SBFT-9 (0-5)		x	x	x	x	x	x	x
	5-10 foot	SBFT-9 (5-10)		x	x	x	x	x	x	x
SBFT-10	0-5 foot	SBFT-10 (0-5)		x	x	x	x	x	x	x
	5-10 foot	SBFT-10 (5-10)		x	x	x	x	x	x	x

Table 1 - Soil and Groundwater Sample Identification and Analytical Parameters
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Boring Location	Sample Depth (ft-bgs)	Sample ID	Matrix	Analytical Parameters						
				VOCs	SVOCs	TAL Metals	PCBs	Pesticides	Herbicides	Radiological
SBFT-11	0-5 foot	SBFT-11 (0-5)	Soil	x	x	x	x	x	x	x
	5-10 foot	SBFT-11 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SBFT-11 (10-15)		x	x	x	x	x	x	x
	15-20 foot	SBFT-11 (15-20)		x	x	x	x	x	x	x
	20-25 foot	SBFT-11 (20-25)		x	x	x	x	x	x	x
SBFT-12	0-5 foot	SBFT-12 (0-5)		x	x	x	x	x	x	x
SBFT-13	0-5 foot	SBFT-13 (0-5)		x	x	x	x	x	x	x
SBFT-14	0-5 foot	SBFT-14 (0-5)		x	x	x	x	x	x	x
	5-10 foot	SBFT-14 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SBFT-14 (10-15)		x	x	x	x	x	x	x
SBFT-15	0-5 foot	SBFT-15 (0-5)		x	x	x	x	x	x	x
	5-10 foot	SBFT-15 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SBFT-15 (10-15)		x	x	x	x	x	x	x
SBFT-16	0-5 foot	SBFT-16 (0-5)		x	x	x	x	x	x	x
	5-10 foot	SBFT-16 (5-10)		x	x	x	x	x	x	x
	10-15 foot	SBFT-16 (10-15)		x	x	x	x	x	x	x
SBFT-17	0-5 foot	SBFT-17 (0-5)		x	x	x	x	x	x	x
SBFT-18	0-5 foot	SBFT-18 (0-5)		x	x	x	x	x	x	x
SBFT-19	0-5 foot	SBFT-19 (0-5)		x	x	x	x	x	x	x
	5-10 foot	SBFT-19 (5-10)		x	x	x	x	x	x	x
SBOF-2	0-5 foot	SBOF-2 (0-5)		x	x	x	x	x	x	x

Table 2 - Volatile Organic Compounds (VOCs) Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SBOF-1 (0-5) 10/21/2014 Soil	SSBR-1 (0-5) 10/21/2014 Soil	SSBR-1 (5-10) 10/21/2014 Soil	SSBR-2 (0-5) 10/21/2014 Soil	SSBR-2 (5-10) 10/21/2014 Soil	SSBR-3 (0-5) 10/21/2014 Soil	SSBR-3 (5-10) 10/21/2014 Soil	SSBR-4 (0-5) 10/21/2014 Soil	SSBR-4 (5-10) 10/21/2014 Soil	SSBR-4 (10-15) 10/21/2014 Soil
Total VOCs By USEPA Method 8260C (µg/Kg)																
1,1,1-Trichloroethane	680	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-Trimethylbenzene	3,600	47,000	52,000	190,000	380,000		ND	ND	ND	6 J	ND	1 J	ND	ND	ND	ND
1, 3, 5-Trimethylbenzene	8,400	47,000	52,000	190,000	380,000		ND	ND	ND	3 J	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	19,000	26,000	240,000	480,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	100,000	500,000	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	2,300	3,100	30,000	60,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	17,000	49,000	280,000	560,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	9,800	13,000	130,000	250,000	150,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	100	9,800	13,000	130,000	250,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	--	--	--		ND	ND	ND	10 J	ND	0.9 J	ND	ND	ND	ND
2-Butanone	120	100,000	100,000	500,000	1,000,000		ND	ND	ND	5 J	10	4 J	10	ND	ND	ND
Acetone	50	100,000	100,000	500,000	1,000,000		3 BJ	ND	6 B	21 B	31 B	16 B	36 B	2 BJ	1 BJ	2 BJ
Benzene	60	2,900	4,800	44,000	89,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	760	1,400	2,400	22,000	44,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	100,000	100,000	500,000	1,000,000	2,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	10,000	49,000	350,000	700,000	120,000	1 BJ	1 BJ	1 BJ	1 BJ	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	59,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	30,000	41,000	390,000	780,000		ND	ND	ND	1 J	ND	1 J	ND	ND	ND	ND
Methylene chloride	50	51000	100000	500,000	1,000,000		ND	ND	ND	ND	1 BJ	1 BJ	1 BJ	1 BJ	1 BJ	1 BJ
Methyl-t-butyl ether	930	62,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,300	5,500	19,000	150,000	300,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND
tert-Butylbenzene	5,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	10,000	21,000	200,000	400,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	20	210	900	13,000	27000	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	260	100,000	100,000	500,000	1,000,000		ND	ND	ND	8 J	ND	2 J	ND	ND	ND	ND
Isopropylbenzene	--	--	--	--	--		ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 2 - Volatile Organic Compounds (VOCs) Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SSBR-5 (0-5) 10/21/2014 Soil	SSBR-5 (5-10) 10/21/2014 Soil	SSBR-5 (10-15) 10/21/2014 Soil	SSBR-6 (0-5) 10/21/2014 Soil	SSBR-6 (5-10) 10/21/2014 Soil	SSBR- 6 (10-15) 10/21/2014 Soil	SSBR-6 (15-20) 10/21/2014 Soil	SSBR-7 (0-5) 10/22/2014 Soil	SSBR-7 (5-10) 10/22/2014 Soil	SSBR-7 (10-15) 10/22/2014 Soil
Total VOCs By USEPA Method 8260C (µg/Kg)																
1,1,1-Trichloroethane	680	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-Trimethylbenzene	3,600	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3, 5-Trimethylbenzene	8,400	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	19,000	26,000	240,000	480,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	100,000	500,000	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	2,300	3,100	30,000	60,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	17,000	49,000	280,000	560,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	9,800	13,000	130,000	250,000	150,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	100	9,800	13,000	130,000	250,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	120	100,000	100,000	500,000	1,000,000		ND	5 J	ND	13	5 J	2 J	ND	ND	3 JZ	ND
Acetone	50	100,000	100,000	500,000	1,000,000		3 BJ	17 B	3 BJ	40 B	20 B	17 B	7 BJ	3 JZ	7 JZ	8 JZ
Benzene	60	2,900	4,800	44,000	89,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	760	1,400	2,400	22,000	44,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	100,000	100,000	500,000	1,000,000	2,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	10,000	49,000	350,000	700,000	120,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	59,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J
Ethylbenzene	1,000	30,000	41,000	390,000	780,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	50	51000	100000	500,000	1,000,000		1 BJ	1 BJ	1 BJ	ND	1 BJ	0.9 BJ	1 BJ	2 JZ	ND	ND
Methyl-t-butyl ether	930	62,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,300	5,500	19,000	150,000	300,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	10,000	21,000	200,000	400,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	20	210	900	13,000	27000	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	260	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

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Table 2 - Volatile Organic Compounds (VOCs) Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SSBR-7 (15-20) 10/22/2014 Soil	SSBR-8 (0-5) 10/22/2014 Soil	SSBR-8 (5-10) 10/22/2014 Soil	SSBR-8 (10-15) 10/22/2014 Soil	SSBR-8 (15-20) 10/22/2014 Soil	SSBR-9 (0-5) 10/22/2014 Soil	SSBR-9 (5-10) 10/22/2014 Soil	SSBR-9 (10-15) 10/22/2014 Soil	SSBR-9 (15-20) 10/22/2014 Soil	SSBR-10 (0-5) 10/22/2014 Soil
Total VOCs By USEPA Method 8260C (µg/Kg)																
1,1,1-Trichloroethane	680	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-Trimethylbenzene	3,600	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3, 5-Trimethylbenzene	8,400	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	19,000	26,000	240,000	480,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	100,000	500,000	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	2,300	3,100	30,000	60,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	17,000	49,000	280,000	560,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	9,800	13,000	130,000	250,000	150,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	100	9,800	13,000	130,000	250,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	120	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	15
Acetone	50	100,000	100,000	500,000	1,000,000		3 JZ	4 JZ	2 JZ	3 JZ	5 JZ	3 JZ	4 JZ	8 JZ	8 JZ	40 Z
Benzene	60	2,900	4,800	44,000	89,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	760	1,400	2,400	22,000	44,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	100,000	100,000	500,000	1,000,000	2,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	10,000	49,000	350,000	700,000	120,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	59,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	30,000	41,000	390,000	780,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	50	51000	100000	500,000	1,000,000		ND	2 JZ	ND	ND	ND	ND	1 JZ	ND	ND	2 JZ
Methyl-t-butyl ether	930	62,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,300	5,500	19,000	150,000	300,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	10,000	21,000	200,000	400,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	20	210	900	13,000	27000	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	260	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

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Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SSBR-10 (5-10) 10/22/2014 Soil	SSBR-10 (10-15) 10/22/2014 Soil	SSBR-10 (15-20) 10/22/2014 Soil	SSBR-11 (0-5) 10/23/2014 Soil	SSBR-11 (5-10) 10/23/2014 Soil	SSBR-11 (10-15) 10/23/2014 Soil	SSBR-11 (15-20) 10/23/2014 Soil	SSBR-11 (20-25) 10/23/2014 Soil	SSBR-12 (0-5) 10/23/2014 Soil	SSBR-12 (5-10) 10/23/2014 Soil
Total VOCs By USEPA Method 8260C (µg/Kg)																
1,1,1-Trichloroethane	680	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-Trimethylbenzene	3,600	47,000	52,000	190,000	380,000		ND	ND	ND	130	ND	ND	ND	ND	130	ND
1, 3, 5-Trimethylbenzene	8,400	47,000	52,000	190,000	380,000		ND	ND	ND	120	ND	ND	ND	ND	98	ND
1,1-Dichloroethane	270	19,000	26,000	240,000	480,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	100,000	500,000	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	2,300	3,100	30,000	60,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	17,000	49,000	280,000	560,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	9,800	13,000	130,000	250,000	150,000	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	100	9,800	13,000	130,000	250,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	--	--	--		ND	ND	ND	20	ND	ND	ND	ND	8 J	ND
2-Butanone	120	100,000	100,000	500,000	1,000,000		85	ND	ND	ND	1 J	ND	ND	ND	ND	ND
Acetone	50	100,000	100,000	500,000	1,000,000		220 Z	3 JZ	ND	ND	11 Z	5 JZ	5 JZ	3 JZ	63 Z	2 JZ
Benzene	60	2,900	4,800	44,000	89,000	10,000	4 J	ND	ND	1 J	ND	ND	ND	ND	2 J	ND
Carbon tetrachloride	760	1,400	2,400	22,000	44,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	100,000	100,000	500,000	1,000,000	2,000,000	34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	10,000	49,000	350,000	700,000	120,000	ND	ND	ND	ND	ND	ND	ND	6 J	ND	ND
cis-1,2-Dichloroethene	250	59,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	3 J	ND	ND	ND
Ethylbenzene	1,000	30,000	41,000	390,000	780,000		ND	ND	ND	59	ND	ND	ND	ND	28	ND
Methylene chloride	50	51000	100000	500,000	1,000,000		ND	ND	ND	ND	1 JZ	ND	1 JZ	ND	2 JZ	ND
Methyl-t-butyl ether	930	62,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	18	ND	ND	ND	ND	7 J	ND
sec-Butylbenzene	11,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	19	ND	ND	ND	ND	7 J	ND
Tetrachloroethene	1,300	5,500	19,000	150,000	300,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	5 J	ND	ND	ND	ND	3 J	ND
trans-1,2-Dichloroethene	190	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	10,000	21,000	200,000	400,000	10,000	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND
Vinyl chloride	20	210	900	13,000	27000	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	260	100,000	100,000	500,000	1,000,000		ND	ND	ND	40	ND	ND	ND	ND	75	ND
Isopropylbenzene	--	--	--	--	--		ND	ND	ND	27	ND	ND	ND	ND	18	ND
n-Propylbenzene	3,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	33	ND	ND	ND	ND	20	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

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-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

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P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 2 - Volatile Organic Compounds (VOCs) Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SSBR-12 (10-15) 10/23/2014 Soil	SSBR-12 (15-20) 10/23/2014 Soil	SSBR-12 (20-25) 10/23/2014 Soil	SSBR-13 (1-5) 10/8/2014 Soil	SSBR-13 (5-10) 10/8/2014 Soil	SSBR-13 (10-15) 10/8/2014 Soil	SSBR-13 (15-20) 10/8/2014 Soil	SSBR-13 (20-25) 10/8/2014 Soil	SSBR-14 (1-5) 10/8/2014 Soil	SSBR-14 (5-10) 10/8/2014 Soil
Total VOCs By USEPA Method 8260C (µg/Kg)																
1,1,1-Trichloroethane	680	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-Trimethylbenzene	3,600	47,000	52,000	190,000	380,000		ND	ND	ND	12	ND	ND	ND	ND	ND	0.8 J
1, 3, 5-Trimethylbenzene	8,400	47,000	52,000	190,000	380,000		ND	ND	ND	14	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	19,000	26,000	240,000	480,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	100,000	500,000	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	2,300	3,100	30,000	60,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	17,000	49,000	280,000	560,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	9,800	13,000	130,000	250,000	150,000	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND
1,4-Dioxane	100	9,800	13,000	130,000	250,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	--	--	--		ND	ND	ND	3 J	ND	ND	ND	ND	ND	ND
2-Butanone	120	100,000	100,000	500,000	1,000,000		ND	ND	ND	14	ND	ND	ND	ND	45	ND
Acetone	50	100,000	100,000	500,000	1,000,000		1 JZ	2 JZ	2 JZ	44 B	3 BJ	2 BJ	4 BJ	4 BJ	120 B	25 B
Benzene	60	2,900	4,800	44,000	89,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	760	1,400	2,400	22,000	44,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	100,000	100,000	500,000	1,000,000	2,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	10,000	49,000	350,000	700,000	120,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	59,000	100,000	500,000	1,000,000		9	ND	6 J	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	30,000	41,000	390,000	780,000		ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Methylene chloride	50	51000	100000	500,000	1,000,000		ND	1 JZ	0.8 JZ	1 BJ	ND	ND	ND	ND	ND	ND
Methyl-t-butyl ether	930	62,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	4 J	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	6 J	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,300	5,500	19,000	150,000	300,000	14,000	6 J	ND	8	ND	ND	ND	ND	ND	ND	ND
Toluene	700	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	10,000	21,000	200,000	400,000	10,000	3 J	ND	4 J	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	20	210	900	13,000	27000	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	260	100,000	100,000	500,000	1,000,000		ND	ND	ND	3 J	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	--	--	--		ND	ND	ND	9 J	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

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ND = Not detected

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J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

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Table 2 - Volatile Organic Compounds (VOCs) Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SSBR-14 (10-15) 10/8/2014 Soil	SSBR-14 (15-20) 10/8/2014 Soil	SSBR-14 (20-25) 10/8/2014 Soil	SSBR-15 (1-5) 10/8/2014 Soil	SSBR-15 (5-10) 10/8/2014 Soil	SSBR-15 (10-15) 10/8/2014 Soil	SSBR-15 (15-20) 10/8/2014 Soil	SSBR-15 (20-25) 10/8/2014 Soil	SSBR-16 (1-5) 10/8/2014 Soil	SSBR-16 (5-10) 10/8/2014 Soil
Total VOCs By USEPA Method 8260C (µg/Kg)																
1,1,1-Trichloroethane	680	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-Trimethylbenzene	3,600	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3, 5-Trimethylbenzene	8,400	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	19,000	26,000	240,000	480,000	10,000	ND	ND	ND	ND	ND	3 J	ND	2 J	ND	ND
1,1-Dichloroethene	330	100,000	100,000	500,000	1,000,000	14,000	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	2,300	3,100	30,000	60,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	17,000	49,000	280,000	560,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	9,800	13,000	130,000	250,000	150,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	100	9,800	13,000	130,000	250,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	120	100,000	100,000	500,000	1,000,000		ND	ND	ND	8 J	0.7 J	ND	ND	ND	4 J	36
Acetone	50	100,000	100,000	500,000	1,000,000		16 BJ	5 BJ	4 BJ	31 B	11 B	9 BJ	5 B	6 BJ	11 B	100 B
Benzene	60	2,900	4,800	44,000	89,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	760	1,400	2,400	22,000	44,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	100,000	100,000	500,000	1,000,000	2,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	10,000	49,000	350,000	700,000	120,000	ND	ND	ND	ND	ND	ND	ND	2 J	1 J	ND
cis-1,2-Dichloroethene	250	59,000	100,000	500,000	1,000,000		3 J	1 J	5 J	1 J	2 J	30	ND	17	ND	ND
Ethylbenzene	1,000	30,000	41,000	390,000	780,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	50	51000	100000	500,000	1,000,000		ND	1 J	ND	ND	ND	ND	0.5 J	ND	ND	ND
Methyl-t-butyl ether	930	62,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,300	5,500	19,000	150,000	300,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	10,000	21,000	200,000	400,000	10,000	1 J	ND	2 J	ND	1 J	5 J	ND	9 J	ND	ND
Vinyl chloride	20	210	900	13,000	27000	4,000	ND	ND	ND	ND	ND	5 J	ND	3 J	ND	ND
Xylenes (Total)	260	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

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Table 2 - Volatile Organic Compounds (VOCs) Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SSBR-16 (10-15) 10/8/2014 Soil	SSBR-17 (1-5) 10/8/2014 Soil	SSBR-17 (5-10) 10/8/2014 Soil	SSBR-17 (10-15) 10/8/2014 Soil	SBFT-18 (1-5) 10/6/2014 Soil	SBFT-18 (5-10) 10/6/2014 Soil	SBFT-18 (10-15) 10/6/2014 Soil	SSBR-19 (1-5) 10/6/2014 Soil	SSBR-19 (5-10) 10/6/2014 Soil	SSBR-19 (10-15) 10/6/2014 Soil
Total VOCs By USEPA Method 8260C (µg/Kg)																
1,1,1-Trichloroethane	680	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-Trimethylbenzene	3,600	47,000	52,000	190,000	380,000		ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND
1, 3, 5-Trimethylbenzene	8,400	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	19,000	26,000	240,000	480,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	100,000	500,000	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	2,300	3,100	30,000	60,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	17,000	49,000	280,000	560,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	9,800	13,000	130,000	250,000	150,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	100	9,800	13,000	130,000	250,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	120	100,000	100,000	500,000	1,000,000		1 J	9	ND	1 J	ND	ND	1 J	ND	ND	ND
Acetone	50	100,000	100,000	500,000	1,000,000		13 B	36 B	6 BJ	9 BJ	5 BJ	5 BJ	12 B	6 BJ	4 BJ	3 BJ
Benzene	60	2,900	4,800	44,000	89,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	760	1,400	2,400	22,000	44,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	100,000	100,000	500,000	1,000,000	2,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	10,000	49,000	350,000	700,000	120,000	0.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	59,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	2 J	2 J	61
Ethylbenzene	1,000	30,000	41,000	390,000	780,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	50	51000	100000	500,000	1,000,000		1 J	1 BJ	ND	1 BJ	2 BJ	1 BJ	ND	1 BJ	0.9 BJ	0.9 BJ
Methyl-t-butyl ether	930	62,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,300	5,500	19,000	150,000	300,000	14,000	ND	ND	ND	ND	ND	ND	ND	290 D	0.9 J	ND
Toluene	700	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	10,000	21,000	200,000	400,000	10,000	ND	ND	ND	ND	ND	ND	ND	3 J	ND	2 J
Vinyl chloride	20	210	900	13,000	27000	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 J
Xylenes (Total)	260	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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Total VOCs By USEPA Method 8260C (µg/Kg)												
1,1,1-Trichloroethane	680	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND
1, 2, 4-Trimethylbenzene	3,600	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND
1, 3, 5-Trimethylbenzene	8,400	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	19,000	26,000	240,000	480,000	10,000	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	100,000	500,000	1,000,000	14,000	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	2,300	3,100	30,000	60,000		ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	17,000	49,000	280,000	560,000		ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	9,800	13,000	130,000	250,000	150,000	ND	ND	ND	ND	ND	ND
1,4-Dioxane	100	9,800	13,000	130,000	250,000		ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	--	--	--		ND	ND	ND	ND	ND	ND
2-Butanone	120	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND
Acetone	50	100,000	100,000	500,000	1,000,000		3 BJ	6 BJ	2 BJ	5 BJ	6 BJ	4 BJ
Benzene	60	2,900	4,800	44,000	89,000	10,000	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	760	1,400	2,400	22,000	44,000	10,000	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	100,000	100,000	500,000	1,000,000	2,000,000	ND	ND	ND	ND	ND	ND
Chloroform	370	10,000	49,000	350,000	700,000	120,000	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	59,000	100,000	500,000	1,000,000		ND	5 J	4 J	ND	ND	ND
Ethylbenzene	1,000	30,000	41,000	390,000	780,000		ND	ND	ND	ND	ND	ND
Methylene chloride	50	51000	100000	500,000	1,000,000		1 BJ	ND	ND	ND	ND	ND
Methyl-t-butyl ether	930	62,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,300	5,500	19,000	150,000	300,000	14,000	ND	ND	1 J	ND	ND	ND
Toluene	700	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND
Trichloroethene	470	10,000	21,000	200,000	400,000	10,000	ND	ND	ND	ND	ND	ND
Vinyl chloride	20	210	900	13,000	27000	4,000	ND	ND	ND	ND	ND	ND
Xylenes (Total)	260	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	--	--	--		ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

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Table 3 - Semi-Volatile Organic Compounds (SVOCs) Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBOF-1 (0-5) 10/21/2014 Soil	SSBR-1 (0-5) 10/21/2014 Soil	SSBR-1 (5-10) 10/21/2014 Soil	SSBR-2 (0-5) 10/21/2014 Soil	SSBR-2 (5-10) 10/21/2014 Soil	SSBR-3 (0-5) 10/21/2014 Soil	SSBR-3 (5-10) 10/21/2014 Soil	SSBR-4 (0-5) 10/21/2014 Soil	SSBR-4 (5-10) 10/21/2014 Soil	SSBR-4 (10-15) 10/21/2014 Soil	SSBR-5 (0-5) 10/21/2014 Soil	SSBR-5 (5-10) 10/21/2014 Soil
Total SVOCs By USEPA Method 8270D (µg/Kg)																	
2-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	170 J	ND	370	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	300 J	ND	210 J	89 J	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	540	ND	340 J	200 J	ND	ND	ND	ND	ND
Benzo[a]pyrene	1,000	1,000	1,000	1,000	1,100	ND	ND	ND	600	ND	340 J	230 J	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	750	90 J	360	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	310 J	ND	210 J	140 J	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	800	1,000	3,900	56,000	110,000	ND	ND	ND	320 J	ND	230 J	86 J	ND	ND	ND	ND	ND
Chrysene	1,000	1,000	3,900	56,000	110,000	ND	ND	ND	620	ND	360	240 J	ND	ND	ND	ND	ND
Dibenzo[a,h]anthracene	330	330	330	560	1,100	ND	ND	ND	110 J	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	--	--	--	--	--	ND	ND	ND	140 J	ND	240 J	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	1,200	120 J	670	350 J	ND	ND	ND	ND	ND
Fluorene	30,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	170 J	ND	270 J	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	500	500	500	5,600	11,000	ND	ND	ND	230 J	ND	170 J	100 J	ND	ND	ND	ND	ND
Naphthalene	12,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	200 J	ND	360	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	2400	6700	6,700	55,000	ND	ND	ND	ND	ND	ND	320 J	ND	ND	ND	ND	ND
Phenanthrene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	1,200	87 J	880	ND	ND	ND	ND	ND	ND
Phenol	330	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	1,600	170 J	1,100	640	ND	ND	ND	ND	ND

Notes:

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Table 3 - Semi-Volatile Organic Compounds (SVOCs) Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-5 (10-15) 10/21/2014 Soil	SSBR-6 (0-5) 10/21/2014 Soil	SSBR-6 (5-10) 10/21/2014 Soil	SSBR-6 (10-15) 10/21/2014 Soil	SSBR-6 (15-20) 10/21/2014 Soil	SSBR-7 (0-5) 10/22/2014 Soil	SSBR-7 (5-10) 10/22/2014 Soil	SSBR-7 (10-15) 10/22/2014 Soil	SSBR-7 (15-20) 10/22/2014 Soil	SSBR-8 (0-5) 10/22/2014 Soil	SSBR-8 (5-10) 10/22/2014 Soil	SSBR-8 (10-15) 10/22/2014 Soil
Total SVOCs By USEPA Method 8270D (µg/Kg)																	
2-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	420	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	480	ND	ND	ND	ND
Benzo[a]pyrene	1,000	1,000	1,000	1,000	1,100	ND	ND	ND	ND	ND	ND	ND	350 J	ND	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	360 J	ND	ND	ND	ND
Benzo[g,h,i]perylene	100,000	100,000	100,000	500,000	1,000,000	ND	78 J	ND	ND	ND	ND	ND	160 J	ND	ND	ND	ND
Benzo[k]fluoranthene	800	1,000	3,900	56,000	110,000	ND	ND	ND	ND	ND	ND	ND	140 J	ND	ND	ND	ND
Chrysene	1,000	1,000	3,900	56,000	110,000	ND	ND	ND	ND	ND	ND	ND	380 J	ND	ND	ND	ND
Dibenzo[a,h]anthracene	330	330	330	560	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	1,100	ND	ND	ND	ND
Fluorene	30,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	110 J	ND	ND	ND	ND
Hexachlorobenzene	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	500	500	500	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	160 J	ND	ND	ND	ND
Naphthalene	12,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	2400	6700	6,700	55,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	1,100	ND	ND	ND	ND
Phenol	330	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	100,000	100,000	500,000	1,000,000	ND	130 J	ND	ND	ND	ND	ND	760	ND	ND	ND	ND

Notes:

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Table 3 - Semi-Volatile Organic Compounds (SVOCs) Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-8 (15-20) 10/22/2014 Soil	SSBR-9 (0-5) 10/22/2014 Soil	SSBR-9 (5-10) 10/22/2014 Soil	SSBR-9 (10-15) 10/22/2014 Soil	SSBR-9 (15-20) 10/22/2014 Soil	SSBR-10 (0-5) 10/22/2014 Soil	SSBR-10 (5-10) 10/22/2014 Soil	SSBR-10 (10-15) 10/22/2014 Soil	SSBR-10 (15-20) 10/22/2014 Soil	SSBR-11 (0-5) 10/23/2014 Soil	SSBR-11 (5-10) 10/23/2014 Soil	SSBR-11 (10-15) 10/23/2014 Soil
Total SVOCs By USEPA Method 8270D (µg/Kg)																	
2-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1,000	1,000	1,000	1,000	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	800	1,000	3,900	56,000	110,000	ND	ND	ND	ND	ND	88 J	ND	ND	ND	ND	ND	ND
Chrysene	1,000	1,000	3,900	56,000	110,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo[a,h]anthracene	330	330	330	560	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	130 J	ND	ND	ND	ND	ND	ND
Fluorene	30,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	500	500	500	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	2400	6700	6,700	55,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	130 J	ND	ND	ND	76 J	ND	ND
Phenol	330	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	120 J	ND	ND	ND	80 J	ND	ND

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Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-11 (15-20) 10/23/2014 Soil	SSBR-11 (20-25) 10/23/2014 Soil	SSBR-12 (0-5) 10/23/2014 Soil	SSBR-12 (5-10) 10/23/2014 Soil	SSBR-12 (10-15) 10/23/2014 Soil	SSBR-12 (15-20) 10/23/2014 Soil	SSBR-12 (20-25) 10/23/2014 Soil	SSBR-13 (1-5) 10/8/2014 Soil	SSBR-13 (5-10) 10/8/2014 Soil	SSBR-13 (10-15) 10/8/2014 Soil	SSBR-13 (15-20) 10/8/2014 Soil	SSBR-13 (20-25) 10/8/2014 Soil
Total SVOCs By USEPA Method 8270D (µg/Kg)																	
2-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1,000	1,000	1,000	1,000	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	85 J	ND	ND	ND	ND
Benzo[g,h,i]perylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	800	1,000	3,900	56,000	110,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	1,000	3,900	56,000	110,000	ND	ND	ND	ND	ND	ND	ND	9 J	ND	ND	ND	ND
Dibenzo[a,h]anthracene	330	330	330	560	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	100 J	ND	ND	ND	ND
Fluorene	30,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	110 J	ND	ND	ND	ND
Hexachlorobenzene	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	500	500	500	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	2400	6700	6,700	55,000	ND	ND	ND	ND	ND	ND	ND	82 J	ND	ND	ND	ND
Phenanthrene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	170 J	ND	ND	ND	ND
Phenol	330	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	290 J	ND	ND	ND	ND

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Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-14 (1-5) 10/8/2014 Soil	SSBR-14 (5-10) 10/8/2014 Soil	SSBR-14 (10-15) 10/8/2014 Soil	SSBR-14 (15-20) 10/8/2014 Soil	SSBR-14 (20-25) 10/8/2014 Soil	SSBR-15 (1-5) 10/8/2014 Soil	SSBR-15 (5-10) 10/8/2014 Soil	SSBR-15 (10-15) 10/8/2014 Soil	SSBR-15 (15-20) 10/8/2014 Soil	SSBR-15 (20-25) 10/8/2014 Soil	SSBR-16 (1-5) 10/8/2014 Soil	SSBR-16 (5-10) 10/8/2014 Soil
Total SVOCs By USEPA Method 8270D (µg/Kg)																	
2-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	1,000	5,600	11,000	79 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1,000	1,000	1,000	1,000	1,100	360 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	800	1,000	3,900	56,000	110,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	1,000	3,900	56,000	110,000	110 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	91 J	ND
Dibenzo[a,h]anthracene	330	330	330	560	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	74 J	ND	ND	ND	ND	ND	ND
Fluorene	30,000	100,000	100,000	500,000	1,000,000	120 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	500	500	500	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	2400	6700	6,700	55,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	100,000	100,000	500,000	1,000,000	180 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	92 J	ND
Phenol	330	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	100,000	100,000	500,000	1,000,000	420	ND	ND	ND	ND	110 J	ND	ND	ND	ND	280 J	94 J

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

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X = Analyte is suspected column bleed

Table 3 - Semi-Volatile Organic Compounds (SVOCs) Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-16 (10-15) 10/8/2014 Soil	SSBR-17 (1-5) 10/8/2014 Soil	SSBR-17 (5-10) 10/8/2014 Soil	SSBR-17 (10-15) 10/8/2014 Soil	SBFT-18 (1-5) 10/6/2014 Soil	SBFT-18 (5-10) 10/6/2014 Soil	SBFT-18 (10-15) 10/6/2014 Soil	SSBR-19 (1-5) 10/6/2014 Soil	SSBR-19 (5-10) 10/6/2014 Soil	SSBR-19 (10-15) 10/6/2014 Soil	SSBR-20 (1-5) 10/6/2014 Soil	SSBR-20 (5-10) 10/6/2014 Soil
Total SVOCs By USEPA Method 8270D (µg/Kg)																	
2-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1,000	1,000	1,000	1,000	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	800	1,000	3,900	56,000	110,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	1,000	3,900	56,000	110,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo[a,h]anthracene	330	330	330	560	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	30,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	500	500	500	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	2400	6700	6,700	55,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	330	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	100,000	100,000	500,000	1,000,000	ND	110 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

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Table 3 - Semi-Volatile Organic Compounds (SVOCs) Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-20 (10-15) 10/6/2014 Soil	SSBR-21 (1-5) 10/6/2014 Soil	SSBR-21 (5-10) 10/6/2014 Soil	SSBR-21 (10-15) 10/6/2014 Soil
Total SVOCs By USEPA Method 8270D (µg/Kg)									
2-Methylphenol	--	--	--	--	--	ND	ND	ND	ND
4-Methylphenol	--	--	--	--	--	ND	ND	ND	ND
Acenaphthene	20,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND
Acenaphthylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND
Anthracene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	1,000	5,600	11,000	ND	71 J	ND	ND
Benzo[a]pyrene	1,000	1,000	1,000	1,000	1,100	ND	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	ND
Benzo[g,h,i]perylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND
Benzo[k]fluoranthene	800	1,000	3,900	56,000	110,000	ND	80 J	ND	ND
Chrysene	1,000	1,000	3,900	56,000	110,000	ND	85 J	ND	ND
Dibenzo[a,h]anthracene	330	330	330	560	1,100	ND	ND	ND	ND
Dibenzofuran	--	--	--	--	--	ND	ND	ND	ND
Fluoranthene	100,000	100,000	100,000	500,000	1,000,000	ND	170 J	ND	ND
Fluorene	30,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND
Hexachlorobenzene	--	--	--	--	--	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	500	500	500	5,600	11,000	ND	ND	ND	ND
Naphthalene	12,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND
Pentachlorophenol	800	2400	6700	6,700	55,000	ND	ND	ND	ND
Phenanthrene	100,000	100,000	100,000	500,000	1,000,000	ND	150 J	ND	ND
Phenol	330	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND
Pyrene	100,000	100,000	100,000	500,000	1,000,000	ND	150 J	ND	ND

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Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

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Table 4 -Pesticides Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBOF-1 (0-5) 10/21/2014 Soil	SSBR-1 (0-5) 10/21/2014 Soil	SSBR-1 (5-10) 10/21/2014 Soil	SSBR-2 (0-5) 10/21/2014 Soil	SSBR-2 (5-10) 10/21/2014 Soil	SSBR-3 (0-5) 10/21/2014 Soil	SSBR-3 (5-10) 10/21/2014 Soil	SSBR-4 (0-5) 10/21/2014 Soil	SSBR-4 (5-10) 10/21/2014 Soil	SSBR-4 (10-15) 10/21/2014 Soil	SSBR-5 (0-5) 10/21/2014 Soil
Pesticides by USEPA Method 8081B (µg/Kg)																
Aldrin	5	19	97	680	1,400	ND	ND	ND	ND	2.8 P	ND	1.5 PJ	ND	ND	ND	ND
Alpha-BHC	20	97	480	3,400	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	36	72	360	3,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	94	910	4,200	24,000	47,000	ND	ND	ND	ND	ND	3.3 P	8.3 P	ND	ND	ND	ND
delta-BHC	40	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5	39	200	1,400	2,800	ND	ND	ND	ND	ND	ND	2.4 PJ	ND	ND	ND	ND
Endosulfan I	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	14	2,200	11,000	89,000	410,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	420	2,100	15,000	29,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDD	3.3	2,600	13,000	92,000	180,000	ND	ND	ND	ND	2.4 PJ	ND	4.9	ND	ND	ND	ND
p,p'-DDE	3.3	1,800	8,900	62,000	120,000	ND	ND	ND	7.2	ND	2.5 PJ	3.5 PJ	ND	ND	ND	ND
p,p'-DDT	3.3	1,700	7,900	47,000	94,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-5 (5-10) 10/21/2014 Soil	SSBR-5 (10-15) 10/21/2014 Soil	SSBR-6 (0-5) 10/21/2014 Soil	SSBR-6 (5-10) 10/21/2014 Soil	SSBR- 6 (10-15) 10/21/2014 Soil	SSBR-6 (15-20) 10/21/2014 Soil	SSBR-7 (0-5) 10/22/2014 Soil	SSBR-7 (5-10) 10/22/2014 Soil	SSBR-7 (10-15) 10/22/2014 Soil	SSBR-7 (15-20) 10/22/2014 Soil	SSBR-8 (0-5) 10/22/2014 Soil
Pesticides by USEPA Method 8081B (µg/Kg)																
Aldrin	5	19	97	680	1,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	97	480	3,400	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	36	72	360	3,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	94	910	4,200	24,000	47,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	40	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5	39	200	1,400	2,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	14	2,200	11,000	89,000	410,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	420	2,100	15,000	29,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDD	3.3	2,600	13,000	92,000	180,000	ND	ND	6.3 P	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDE	3.3	1,800	8,900	62,000	120,000	ND	ND	3.7 P	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDT	3.3	1,700	7,900	47,000	94,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

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D = Identifies compounds identified in an analysis at a secondary dilution factor

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Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-8 (5-10) 10/22/2014 Soil	SSBR-8 (10-15) 10/22/2014 Soil	SSBR-8 (15-20) 10/22/2014 Soil	SSBR-9 (0-5) 10/22/2014 Soil	SSBR-9 (5-10) 10/22/2014 Soil	SSBR-9 (10-15) 10/22/2014 Soil	SSBR-9 (15-20) 10/22/2014 Soil	SSBR-10 (0-5) 10/22/2014 Soil	SSBR-10 (5-10) 10/22/2014 Soil	SSBR-10 (10-15) 10/22/2014 Soil	SSBR-10 (15-20) 10/22/2014 Soil
Pesticides by USEPA Method 8081B (µg/Kg)																
Aldrin	5	19	97	680	1,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	97	480	3,400	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	36	72	360	3,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	94	910	4,200	24,000	47,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	40	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5	39	200	1,400	2,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	14	2,200	11,000	89,000	410,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	420	2,100	15,000	29,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDD	3.3	2,600	13,000	92,000	180,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDE	3.3	1,800	8,900	62,000	120,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDT	3.3	1,700	7,900	47,000	94,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Table 4 -Pesticides Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-11 (0-5) 10/23/2014 Soil	SSBR-11 (5-10) 10/23/2014 Soil	SSBR-11 (10-15) 10/23/2014 Soil	SSBR-11 (15-20) 10/23/2014 Soil	SSBR-11 (20-25) 10/23/2014 Soil	SSBR-12 (0-5) 10/23/2014 Soil	SSBR-12 (5-10) 10/23/2014 Soil	SSBR-12 (10-15) 10/23/2014 Soil	SSBR-12 (15-20) 10/23/2014 Soil	SSBR-12 (20-25) 10/23/2014 Soil	SSBR-13 (1-5) 10/8/2014 Soil
Pesticides by USEPA Method 8081B (µg/Kg)																
Aldrin	5	19	97	680	1,400	3.5 P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	97	480	3,400	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	36	72	360	3,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	94	910	4,200	24,000	47,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	40	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5	39	200	1,400	2,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	14	2,200	11,000	89,000	410,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	420	2,100	15,000	29,000	2.4 P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDD	3.3	2,600	13,000	92,000	180,000	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDE	3.3	1,800	8,900	62,000	120,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDT	3.3	1,700	7,900	47,000	94,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Table 4 -Pesticides Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-13 (5-10) 10/8/2014 Soil	SSBR-13 (10-15) 10/8/2014 Soil	SSBR-13 (15-20) 10/8/2014 Soil	SSBR-13 (20-25) 10/8/2014 Soil	SSBR-14 (1-5) 10/8/2014 Soil	SSBR-14 (5-10) 10/8/2014 Soil	SSBR-14 (10-15) 10/8/2014 Soil	SSBR-14 (15-20) 10/8/2014 Soil	SSBR-14 (20-25) 10/8/2014 Soil	SSBR-15 (1-5) 10/8/2014 Soil	SSBR-15 (5-10) 10/8/2014 Soil
Pesticides by USEPA Method 8081B (µg/Kg)																
Aldrin	5	19	97	680	1,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	97	480	3,400	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	36	72	360	3,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	94	910	4,200	24,000	47,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	40	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5	39	200	1,400	2,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	14	2,200	11,000	89,000	410,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	420	2,100	15,000	29,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDD	3.3	2,600	13,000	92,000	180,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDE	3.3	1,800	8,900	62,000	120,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDT	3.3	1,700	7,900	47,000	94,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

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J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Table 4 -Pesticides Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-15 (10-15) 10/8/2014 Soil	SSBR-15 (15-20) 10/8/2014 Soil	SSBR-15 (20-25) 10/8/2014 Soil	SSBR-16 (1-5) 10/8/2014 Soil	SSBR-16 (5-10) 10/8/2014 Soil	SSBR-16 (10-15) 10/8/2014 Soil	SSBR-17 (1-5) 10/8/2014 Soil	SSBR-17 (5-10) 10/8/2014 Soil	SSBR-17 (10-15) 10/8/2014 Soil	SBFT-18 (1-5) 10/6/2014 Soil	SBFT-18 (5-10) 10/6/2014 Soil
Pesticides by USEPA Method 8081B (µg/Kg)																
Aldrin	5	19	97	680	1,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	97	480	3,400	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	36	72	360	3,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	94	910	4,200	24,000	47,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	40	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5	39	200	1,400	2,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	14	2,200	11,000	89,000	410,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	420	2,100	15,000	29,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDD	3.3	2,600	13,000	92,000	180,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDE	3.3	1,800	8,900	62,000	120,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDT	3.3	1,700	7,900	47,000	94,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

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J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Table 4 -Pesticides Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-18 (10-15) 10/6/2014 Soil	SSBR-19 (1-5) 10/6/2014 Soil	SSBR-19 (5-10) 10/6/2014 Soil	SSBR-19 (10-15) 10/6/2014 Soil	SSBR-20 (1-5) 10/6/2014 Soil	SSBR-20 (5-10) 10/6/2014 Soil	SSBR-20 (10-15) 10/6/2014 Soil	SSBR-21 (1-5) 10/6/2014 Soil	SSBR-21 (5-10) 10/6/2014 Soil	SSBR-21 (10-15) 10/6/2014 Soil
Pesticides by USEPA Method 8081B (µg/Kg)															
Aldrin	5	19	97	680	1,400	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND
Alpha-BHC	20	97	480	3,400	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	36	72	360	3,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	94	910	4,200	24,000	47,000	ND	ND	ND	ND	ND	ND	ND	1.8 P	ND	ND
delta-BHC	40	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5	39	200	1,400	2,800	ND	ND	ND	ND	ND	ND	ND	2 J	ND	ND
Endosulfan I	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	14	2,200	11,000	89,000	410,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	420	2,100	15,000	29,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDD	3.3	2,600	13,000	92,000	180,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDE	3.3	1,800	8,900	62,000	120,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDT	3.3	1,700	7,900	47,000	94,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Table 5 -Herbicides Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBOF-1 (0-5) 10/21/2014 Soil	SSBR-1 (0-5) 10/21/2014 Soil	SSBR-1 (5-10) 10/21/2014 Soil	SSBR-2 (0-5) 10/21/2014 Soil	SSBR-2 (5-10) 10/21/2014 Soil	SSBR-3 (0-5) 10/21/2014 Soil	SSBR-3 (5-10) 10/21/2014 Soil	SSBR-4 (0-5) 10/21/2014 Soil	SSBR-4 (5-10) 10/21/2014 Soil	SSBR-4 (10-15) 10/21/2014 Soil	SSBR-5 (0-5) 10/21/2014 Soil	SSBR-5 (5-10) 10/21/2014 Soil	SSBR-5 (10-15) 10/21/2014 Soil	SSBR-6 (0-5) 10/21/2014 Soil	SSBR-6 (5-10) 10/21/2014 Soil	SSBR-6 (10-15) 10/21/2014 Soil
Herbicides by USEPA Method 8081 (µg/Kg)																					
2, 4, 5-TP (Silvex)	3,800	58,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-6 (15-20) 10/21/2014 Soil	SSBR-7 (0-5) 10/22/2014 Soil	SSBR-7 (5-10) 10/22/2014 Soil	SSBR-7 (10-15) 10/22/2014 Soil	SSBR-7 (15-20) 10/22/2014 Soil	SSBR-8 (0-5) 10/22/2014 Soil	SSBR-8 (5-10) 10/22/2014 Soil	SSBR-8 (10-15) 10/22/2014 Soil	SSBR-8 (15-20) 10/22/2014 Soil	SSBR-9 (0-5) 10/22/2014 Soil	SSBR-9 (5-10) 10/22/2014 Soil	SSBR-9 (10-15) 10/22/2014 Soil	SSBR-9 (15-20) 10/22/2014 Soil	SSBR-10 (0-5) 10/22/2014 Soil	SSBR-10 (5-10) 10/22/2014 Soil	SSBR-10 (10-15) 10/22/2014 Soil
Herbicides by USEPA Method 8081 (µg/Kg)																					
2, 4, 5-TP (Silvex)	3,800	58,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-10 (15-20) 10/22/2014 Soil	SSBR-11 (0-5) 10/23/2014 Soil	SSBR-11 (5-10) 10/23/2014 Soil	SSBR-11 (10-15) 10/23/2014 Soil	SSBR-11 (15-20) 10/23/2014 Soil	SSBR-11 (20-25) 10/23/2014 Soil	SSBR-12 (0-5) 10/23/2014 Soil	SSBR-12 (5-10) 10/23/2014 Soil	SSBR-12 (10-15) 10/23/2014 Soil	SSBR-12 (15-20) 10/23/2014 Soil	SSBR-12 (20-25) 10/23/2014 Soil	SSBR-13 (1-5) 10/8/2014 Soil	SSBR-13 (5-10) 10/8/2014 Soil	SSBR-13 (10-15) 10/8/2014 Soil	SSBR-13 (15-20) 10/8/2014 Soil	SSBR-13 (20-25) 10/8/2014 Soil
Herbicides by USEPA Method 8081 (µg/Kg)																					
2, 4, 5-TP (Silvex)	3,800	58,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-14 (1-5) 10/8/2014 Soil	SSBR-14 (5-10) 10/8/2014 Soil	SSBR-14 (10-15) 10/8/2014 Soil	SSBR-14 (15-20) 10/8/2014 Soil	SSBR-14 (20-25) 10/8/2014 Soil	SSBR-15 (1-5) 10/8/2014 Soil	SSBR-15 (5-10) 10/8/2014 Soil	SSBR-15 (10-15) 10/8/2014 Soil	SSBR-15 (15-20) 10/8/2014 Soil	SSBR-15 (20-25) 10/8/2014 Soil	SSBR-16 (1-5) 10/8/2014 Soil	SSBR-16 (5-10) 10/8/2014 Soil	SSBR-16 (10-15) 10/8/2014 Soil	SSBR-17 (1-5) 10/8/2014 Soil	SSBR-17 (5-10) 10/8/2014 Soil	SSBR-17 (10-15) 10/8/2014 Soil
Herbicides by USEPA Method 8081 (µg/Kg)																					
2, 4, 5-TP (Silvex)	3,800	58,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-18 (1-5) 10/6/2014 Soil	SBFT-18 (5-10) 10/6/2014 Soil	SBFT-18 (10-15) 10/6/2014 Soil	SSBR-19 (1-5) 10/6/2014 Soil	SSBR-19 (5-10) 10/6/2014 Soil	SSBR-19 (10-15) 10/6/2014 Soil	SSBR-20 (1-5) 10/6/2014 Soil	SSBR-20 (5-10) 10/6/2014 Soil	SSBR-20 (10-15) 10/6/2014 Soil	SSBR-21 (1-5) 10/6/2014 Soil	SSBR-21 (5-10) 10/6/2014 Soil	SSBR-21 (10-15) 10/6/2014 Soil
Herbicides by USEPA Method 8081 (µg/Kg)																	
2, 4, 5-TP (Silvex)	3,800	58,000	100,000	500,000	1,000,000	3.8 PJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 6 -PCBs Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBOF-1 (0-5) 10/21/2014 Soil	SSBR-1 (0-5) 10/21/2014 Soil	SSBR-1 (5-10) 10/21/2014 Soil	SSBR-2 (0-5) 10/21/2014 Soil	SSBR-2 (5-10) 10/21/2014 Soil	SSBR-3 (0-5) 10/21/2014 Soil	SSBR-3 (5-10) 10/21/2014 Soil	SSBR-4 (0-5) 10/21/2014 Soil	SSBR-4 (5-10) 10/21/2014 Soil	SSBR-4 (10-15) 10/21/2014 Soil	SSBR-5 (0-5) 10/21/2014 Soil	SSBR-5 (5-10) 10/21/2014 Soil	SSBR-5 (10-15) 10/21/2014 Soil	SSBR-6 (0-5) 10/21/2014 Soil	SSBR-6 (5-10) 10/21/2014 Soil
PCBs by USEPA Method 8082 (µg/Kg)																				
Arochlor-1016	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1221	100	1.000	1.000	1.000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1232	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1242	100	1,000	1,000	1,000	25,000	ND	ND	ND	28 PJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1248	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1254	100	1,000	1,000	1,000	25,000	ND	ND	ND	44 P	ND	67 P	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1260	100	1,000	1,000	1,000	25,000	ND	ND	ND	20 J	350	ND	73	ND	ND	ND	ND	ND	ND	140	ND

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-6 (10-15) 10/21/2014 Soil	SSBR-6 (15-20) 10/21/2014 Soil	SSBR-7 (0-5) 10/22/2014 Soil	SSBR-7 (5-10) 10/22/2014 Soil	SSBR-7 (10-15) 10/22/2014 Soil	SSBR-7 (15-20) 10/22/2014 Soil	SSBR-8 (0-5) 10/22/2014 Soil	SSBR-8 (5-10) 10/22/2014 Soil	SSBR-8 (10-15) 10/22/2014 Soil	SSBR-8 (15-20) 10/22/2014 Soil	SSBR-9 (0-5) 10/22/2014 Soil	SSBR-9 (5-10) 10/22/2014 Soil	SSBR-9 (10-15) 10/22/2014 Soil	SSBR-9 (15-20) 10/22/2014 Soil	SSBR-10 (0-5) 10/22/2014 Soil
PCBs by USEPA Method 8082 (µg/Kg)																				
Arochlor-1016	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1221	100	1.000	1.000	1.000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1232	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1242	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1248	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1254	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1260	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-10 (5-10) 10/22/2014 Soil	SSBR-10 (10-15) 10/22/2014 Soil	SSBR-10 (15-20) 10/22/2014 Soil	SSBR-11 (0-5) 10/23/2014 Soil	SSBR-11 (5-10) 10/23/2014 Soil	SSBR-11 (10-15) 10/23/2014 Soil	SSBR-11 (15-20) 10/23/2014 Soil	SSBR-11 (20-25) 10/23/2014 Soil	SSBR-12 (0-5) 10/23/2014 Soil	SSBR-12 (5-10) 10/23/2014 Soil	SSBR-12 (10-15) 10/23/2014 Soil	SSBR-12 (15-20) 10/23/2014 Soil	SSBR-12 (20-25) 10/23/2014 Soil	SSBR-13 (1-5) 10/8/2014 Soil	SSBR-13 (5-10) 10/8/2014 Soil
PCBs by USEPA Method 8082 (µg/Kg)																				
Arochlor-1016	100	1,000	1,000	1,000	25,000	ND	ND	ND	36 X	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1221	100	1.000	1.000	1.000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1232	100	1,000	1,000	1,000	25,000	ND	ND	ND	36 X	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1242	100	1,000	1,000	1,000	25,000	ND	ND	ND	36 X	ND	ND	ND	ND	31 PJ	ND	ND	ND	ND	25 PJ	ND
Arochlor-1248	100	1,000	1,000	1,000	25,000	ND	ND	ND	490	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1254	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1260	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19 J	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 6 -PCBs Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-13 (10-15) 10/8/2014 Soil	SSBR-13 (15-20) 10/8/2014 Soil	SSBR-13 (20-25) 10/8/2014 Soil	SSBR-14 (1-5) 10/8/2014 Soil	SSBR-14 (5-10) 10/8/2014 Soil	SSBR-14 (10-15) 10/8/2014 Soil	SSBR-14 (15-20) 10/8/2014 Soil	SSBR-14 (20-25) 10/8/2014 Soil	SSBR-15 (1-5) 10/8/2014 Soil	SSBR-15 (5-10) 10/8/2014 Soil	SSBR-15 (10-15) 10/8/2014 Soil	SSBR-15 (15-20) 10/8/2014 Soil	SSBR-15 (20-25) 10/8/2014 Soil	SSBR-16 (1-5) 10/8/2014 Soil	SSBR-16 (5-10) 10/8/2014 Soil
PCBs by USEPA Method 8082 (µg/Kg)																				
Arochlor-1016	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1221	100	1.000	1.000	1.000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1232	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1242	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1248	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1254	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	19 PJ	ND	ND	ND	ND	ND	ND
Arochlor-1260	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-16 (10-15) 10/8/2014 Soil	SSBR-17 (1-5) 10/8/2014 Soil	SSBR-17 (5-10) 10/8/2014 Soil	SSBR-17 (10-15) 10/8/2014 Soil	SBFT-18 (1-5) 10/6/2014 Soil	SBFT-18 (5-10) 10/6/2014 Soil	SBFT-18 (10-15) 10/6/2014 Soil	SSBR-19 (1-5) 10/6/2014 Soil	SSBR-19 (5-10) 10/6/2014 Soil	SSBR-19 (10-15) 10/6/2014 Soil	SSBR-20 (1-5) 10/6/2014 Soil	SSBR-20 (5-10) 10/6/2014 Soil	SSBR-20 (10-15) 10/6/2014 Soil	SSBR-21 (1-5) 10/6/2014 Soil	SSBR-21 (5-10) 10/6/2014 Soil
PCBs by USEPA Method 8082 (µg/Kg)																				
Arochlor-1016	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1221	100	1.000	1.000	1.000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1232	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1242	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1248	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1254	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1260	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SSBR-21 (10-15) 10/6/2014 Soil
PCBs by USEPA Method 8082 (µg/Kg)						
Arochlor-1016	100	1,000	1,000	1,000	25,000	ND
Arochlor-1221	100	1.000	1.000	1.000	25,000	ND
Arochlor-1232	100	1,000	1,000	1,000	25,000	ND
Arochlor-1242	100	1,000	1,000	1,000	25,000	ND
Arochlor-1248	100	1,000	1,000	1,000	25,000	ND
Arochlor-1254	100	1,000	1,000	1,000	25,000	ND
Arochlor-1260	100	1,000	1,000	1,000	25,000	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

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B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 7 -Metals Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SBOF-1 (0-5) 10/21/2014 Soil	SSBR-1 (0-5) 10/21/2014 Soil	SSBR-1 (5-10) 10/21/2014 Soil	SSBR-2 (0-5) 10/21/2014 Soil	SSBR-2 (5-10) 10/21/2014 Soil	SSBR-3 (0-5) 10/21/2014 Soil	SSBR-3 (5-10) 10/21/2014 Soil	SSBR-4 (0-5) 10/21/2014 Soil	SSBR-4 (5-10) 10/21/2014 Soil	SSBR-4 (10-15) 10/21/2014 Soil	SSBR-5 (0-5) 10/21/2014 Soil	SSBR-5 (5-10) 10/21/2014 Soil	SSBR-5 (10-15) 10/21/2014 Soil	SSBR-6 (0-5) 10/21/2014 Soil	SSBR-6 (5-10) 10/21/2014 Soil
Metals by USEPA Method 6010C/7471B (mg/Kg)																					
Aluminum	--	--	--	--	--	---	1,480	1,950	1,210	9,570	6,060	8,020	5,090	5,010	3,740	4,930	2,630	3,430	4,250	3,170	3,510
Antimony	--	--	--	--	--	---	ND	ND	1.7 B	1 B	1 B	0.65 B	15.3	ND	ND	ND	ND	ND	ND	2.8 B	ND
Arsenic	13	16	16	16	16	100	2.1	1.6	12.4	2.2	5.1	2	53.1	1.2	1.1	1.4	0.94 B	0.58 B	2.3	4	1.9
Barium	350	350	400	400	10,000	20,000	7.1 B	16.3 B	4.1 B	100	70.5	72.7	36.9	14.1 B	11.3 B	35.6	15.9 B	16.7 B	34.4	20.8 B	21.4 B
Beryllium	7.2	14	72	590	2,700	---	ND	ND	0.045 B	ND	ND	ND	ND	ND	ND	0.45 B	ND	ND	0.36 B	ND	0.2 B
Cadmium	2.5	2.5	4.3	9.3	60	2,000	0.14 B	0.21 B	0.12 B	1.3	0.52 B	0.89	0.83	0.18 B	0.14 B	0.44 B	0.1 B	0.078 B	ND	0.44 B	0.13 B
Calcium	--	--	--	--	--	---	1,240	1,320	225 B	34,800	17,400	43,700	6,080	779	494 B	234 B	435 B	372 B	164 B	2,510	507 B
Chromium	1	22	110	400	800	100	5.6	6.4	6.5	23.4	13.9	20	14.8	10.8	9	27.1	6.9	11.3	17.1	9.2	10.4
Cobalt	--	--	--	--	--	---	2.2 B	2.1 B	1.7 B	9.7	5.4 B	8.3	7.5	4.2 B	3.2 B	4.2 B	3 B	3.3 B	1.6 B	3.9 B	3.5 B
Copper	50	270	270	270	10,000	---	5.2	10	4.4	47.2	14	45.5	35.3	9.1	7.2	32.9	4.4	8.5	35.4	20.6	17.3
Iron	--	--	--	--	--	---	4610	4,110	8,110	16,900	11,300	14,400	11,500	10,600	8,960	23,100	5,240	6,940	2,260	7,320	8,410
Lead	63	400	400	1,000	3,900	100	10.8	10.1	5.4	116	31.2	62.2	197	6.5	14.6	6.5	2.9	4.2	34.5	65.1	14.5
Magnesium	--	--	--	--	--	---	899	911	308 B	9,190	11,200	12,000	1,860	451 B	413 B	118 B	400 B	206 B	126 B	1,100	222 B
Manganese	1,600	2,000	2,000	10,000	10,000	---	80	42	47	245	192	269	222	60	59	10	97.3	20	9.6	111	53
Mercury	0.18	0.81	0.81	2.8	5.7	40	ND	0.028 B	ND	0.045	0.048	0.051	0.11	ND	0.061	0.2	ND	0.021 B	0.027 B	0.038	ND
Nickel	30	140	310	310	10,000	---	4.4	5.1	3.6 B	19.6	10.3	18.3	12.1	7.8	5.8	7.9	5.9	7.9	4.6 B	7.2	5
Potassium	--	--	--	--	--	---	364 B	373 B	226 B	330	2,590	2,030	673	339 B	267 B	1,080	189 B	144 B	817	391 B	451 B
Selenium	3.9	36	180	1,500	6,800	20	ND	ND	0.37 B	ND	ND	ND	0.69	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	36	180	1,500	6,800	100	0.26 B	0.38 B	0.3 B	3.6	1.1 B	1.6	3.7	0.39 B	0.35 B	0.75 B	0.18 B	0.19 B	ND	0.82 B	0.25 B
Sodium	--	--	--	--	--	---	89.6 B	118 B	234 B	469 B	335 B	534 B	246 B	183 B	156 B	69.8 B	73.3 B	55.9 B	104 B	217 B	157 B
Thallium	--	--	--	--	--	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	--	--	--	--	--	---	7.7	9.7	7.1	37.1	19.7	30.5	16.6	16.2	12.6	93	7.6	12.8	12.5	11.6	13.1
Zinc	109	2,200	10,000	10,000	10,000	---	14.4	33.3	30.7	171	36.1	77.8	80.2	16.8	15.9	23.8	16.1	17	17	38.6	13.3

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

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D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

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Table 7 -Metals Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SSBR-6 (10-15) 10/21/2014 Soil	SSBR-6 (15-20) 10/21/2014 Soil	SSBR-7 (0-5) 10/22/2014 Soil	SSBR-7 (5-10) 10/22/2014 Soil	SSBR-7 (10-15) 10/22/2014 Soil	SSBR-7 (15-20) 10/22/2014 Soil	SSBR-8 (0-5) 10/22/2014 Soil	SSBR-8 (5-10) 10/22/2014 Soil	SSBR-8 (10-15) 10/22/2014 Soil	SSBR-8 (15-20) 10/22/2014 Soil	SSBR-9 (0-5) 10/22/2014 Soil	SSBR-9 (5-10) 10/22/2014 Soil	SSBR-9 (10-15) 10/22/2014 Soil	SSBR-9 (15-20) 10/22/2014 Soil	SSBR-10 (0-5) 10/22/2014 Soil	SSBR-10 (5-10) 10/22/2014 Soil
Metals by USEPA Method 6010C/7471B (mg/Kg)																						
Aluminum	--	--	--	--	--	---	3,650	4,390	4,070	3,230	4,450	4,110	4,710	4,020	5,180	1,930	3,020	5,000	1,680	1,610	4,810	5,720
Antimony	--	--	--	--	--	---	ND	ND	0.67 B	0.52 B	0.85 B	0.99 B	0.85 B	0.8 B	0.8 B	0.36 B	0.67 B	0.96 B	0.46 B	0.41 B	1.1 B	1 B
Arsenic	13	16	16	16	16	100	0.95 B	2.3	1 B	1 B	0.49 B	4.2	1.1 B	0.6 B	0.71 B	0.25 B	1.2	1.1 B	0.41 B	0.34 B	2.7	2
Barium	350	350	400	400	10,000	20,000	13.9 B	40.2	45.3	25.6	20.9 B	28.9	18.4 B	16.7 B	17.5 B	8.7 B	16 B	12 B	8.3 B	7.9 B	25.6	30.9
Beryllium	7.2	14	72	590	2,700	---	0.022 B	0.39 B	0.22 B	0.18 B	0.21 B	0.24 B	0.23 B	0.2 B	0.27 B	0.085 B	0.17 B	0.32 B	0.14 B	0.14 B	0.22 B	0.31 B
Cadmium	2.5	2.5	4.3	9.3	60	2,000	0.078 B	ND	0.049 B	0.036 B	0.14 B	0.089 B	0.045 B	ND	0.047 B	ND	0.19 B	0.18 B	0.038 B	0.036 B	0.18 B	0.17 B
Calcium	--	--	--	--	--	---	200 B	140 B	1,610	655	1,140	292 B	628	273 B	280 B	99 B	5,010	368 B	131 B	102 B	975	1,100
Chromium	1	22	110	400	800	100	8.8	11.1	8	7	6.5	18.5	7.3	8.6	5.7	9.8	9.1	8.6	22	5.6	11.3	10
Cobalt	--	--	--	--	--	---	5.9	6.8	5.3 B	5.1 B	6.6	5.6 B	7.2	8.6	5 B	1.3 B	3 B	5.2 B	2.4 B	2 B	6	5 B
Copper	50	270	270	270	10,000	---	9.1	18.1	12.1	11.6	10.3	25	6.2	6	7	4.3	8.1	8	4.1	3.6	15	10.1
Iron	--	--	--	--	--	---	7,810	4,340	6,380	5,830	12,000	12,000	9,790	8,350	11,000	4,970	8,730	13,500	5,730	4,990	8,990	11,600
Lead	63	400	400	1,000	3,900	100	3.8	7.9	12.1	5.8	4.5	6.6	4.6	7.6	4.4	1.6	38.4	3.7	1.6	1.4	21.9	18.3
Magnesium	--	--	--	--	--	---	283 B	176 B	346 B	234 B	321 B	202 B	461 B	398 B	365 B	129 B	1,100	372 B	204 B	170 B	754	848
Manganese	1,600	2,000	2,000	10,000	10,000	---	46	16	92	51	122	35	145	152	88	29	72	77	68	60	61	73
Mercury	0.18	0.81	0.81	2.8	5.7	40	ND	ND	0.022 B	ND	ND	0.06	ND	0.019 B	ND	ND	0.038	ND	ND	ND	0.053	0.15
Nickel	30	140	310	310	10,000	---	8.7	8.5	6.2	4.6 B	7.3	6.9	6.1	5	6.3	2.8 B	5.9	6.4	9.8	4.4 B	7.4	7.4
Potassium	--	--	--	--	--	---	320 B	958	625	633	547 B	814	516 B	471 B	506 B	271 B	341 B	426 B	274 B	246 B	377 B	370 B
Selenium	3.9	36	180	1,500	6,800	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4
Silver	2	36	180	1,500	6,800	100	0.28 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	--	--	--	--	--	---	85.3 B	86.3 B	266 B	103 B	41.4 B	62.3 B	126 B	83 B	57.9 B	47 B	212 B	183 B	58.9 B	62.9 B	139 B	121 B
Thallium	--	--	--	--	--	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	--	--	--	--	--	---	12.7	24.8	10.8	9	14.4	24.2	11.7	10.4	12.4	5.5 B	10	16.4	6.1 B	5.9 B	16	15.5
Zinc	109	2,200	10,000	10,000	10,000	---	13.6	15.4	13.9	11.7	11.6	11.8	17.8	13.9	13.5	8	23.2	16.5	14	10.8	24.9	30.8

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (mg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 7 -Metals Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SSBR-10 (10-15) 10/22/2014 Soil	SSBR-10 (15-20) 10/22/2014 Soil	SSBR-11 (0-5) 10/23/2014 Soil	SSBR-11 (5-10) 10/23/2014 Soil	SSBR-11 (10-15) 10/23/2014 Soil	SSBR-11 (15-20) 10/23/2014 Soil	SSBR-11 (20-25) 10/23/2014 Soil	SSBR-12 (0-5) 10/23/2014 Soil	SSBR-12 (5-10) 10/23/2014 Soil	SSBR-12 (10-15) 10/23/2014 Soil	SSBR-12 (15-20) 10/23/2014 Soil	SSBR-12 (20-25) 10/23/2014 Soil	SSBR-13 (1-5) 10/8/2014 Soil	SSBR-13 (5-10) 10/8/2014 Soil	SSBR-13 (10-15) 10/8/2014 Soil	SSBR-13 (15-20) 10/8/2014 Soil
Metals by USEPA Method 6010C/7471B (mg/Kg)																						
Aluminum	--	--	--	--	--	---	4,260	3,770	3,550	4,720	5,330	4,780	3,400	5,300	6,180	5,330	3,830	7,180	3,560	7,420	6,670	5,210
Antimony	--	--	--	--	--	---	0.53 B	0.23 B	2.9 B	ND	ND	0.62 B	0.75 B	0.61 B	1.1 B	ND	ND	ND	0.94 B	1 B	0.98 B	0.77 B
Arsenic	13	16	16	16	16	100	0.75 B	0.82 B	12.5	0.81 B	0.87 B	2.6	2.7	2.4	2.7	1.2	ND	ND	4	2.6	2.7	3.2
Barium	350	350	400	400	10,000	20,000	11 B	12 B	34.1	21.8 B	25.4	34.4	24.2 B	23.6	22.9	27.8	18.7 B	28.5	33.6	28.3	44.7	37.2
Beryllium	7.2	14	72	590	2,700	---	0.21 B	0.19 B	ND	0.066 B	ND	0.21 B	0.15 B	0.19 B	0.29 B	0.022 B	0.068 B	0.28 B	0.043 B	0.12 B	0.67	0.26 B
Cadmium	2.5	2.5	4.3	9.3	60	2,000	ND	0.035 B	0.81	0.11 B	0.23 B	ND	0.088 B	0.1 B	0.18 B	ND	ND	ND	0.17 B	ND	ND	ND
Calcium	--	--	--	--	--	---	184 B	208 B	16,500	728	355 B	336 B	263 B	986	602	926	536 B	353 B	35,700	1,000	1,290	1,060
Chromium	1	22	110	400	800	100	5.6	7.6	10	12.7	11.1	7.1	8.7	12.6	15.6	12.7	11.5	12.5	8.8	17.6	17.2	15.6
Cobalt	--	--	--	--	--	---	12.3	7.5	5.2 B	2.6 B	17.7	26.5	3.5 B	3.4 B	4.2 B	5.4 B	5.8	24	3.9 B	5.1 B	19.9	11
Copper	50	270	270	270	10,000	---	6.9	5	29.9	16.4	13.9	17.6	8.5	13.8	11.3	13.6	9.8	15.6	8.2	14.9	19.7	18.2
Iron	--	--	--	--	--	---	8,850	5,560	7,680	10,100	12,500	7,200	8,560	8,720	11,900	6,990	11,700	16,900	5,530	9,680	20,100	14,700
Lead	63	400	400	1,000	3,900	100	2.6	3.1	84.8	1.9	3.4	7.9	8.2	13.8	5.3	4.9	3.6	9.2	39.1	6.1	7.5	7
Magnesium	--	--	--	--	--	---	252 B	362 B	7,920	297 B	701	240 B	122 B	815	977	713	755	885	9,670	948	1,280	1,730
Manganese	1,600	2,000	2,000	10,000	10,000	---	109	221	1,200	27	181	282	30	44	54	72.6	247	480	188	61	173	109
Mercury	0.18	0.81	0.81	2.8	5.7	40	ND	0.02 B	0.022 B	ND	ND	ND	0.042 B	ND	ND	ND	ND	ND	0.028 B	ND	ND	ND
Nickel	30	140	310	310	10,000	---	5.1	5	7.4	4.9	8.2	7.8	6.4	6.2	9.1	5.6	8.6	12.6	5.4	6.8	11.6	18.5
Potassium	--	--	--	--	--	---	400 B	320 B	387 B	439 B	442 B	756	779	729	636	751	613	1,200	434 B	627	867	945
Selenium	3.9	36	180	1,500	6,800	20	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5 B	ND	ND	ND
Silver	2	36	180	1,500	6,800	100	ND	ND	0.8 B	0.26 B	0.38 B	ND	ND	ND	ND	ND	0.11 B	0.098 B	0.48 B	ND	ND	ND
Sodium	--	--	--	--	--	---	36.9 B	45.6 B	166 B	127 B	75.5 B	227 B	155 B	140 B	103 B	129 B	29.1 B	25.6 B	274 B	224 B	86.1 B	72.5 B
Thallium	--	--	--	--	--	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND
Vanadium	--	--	--	--	--	---	11.1	8	18.7	21.6	16.4	14.8	19	22.9	21.3	17.5	12.8	26.3	12.9	19.3	25.4	19.6
Zinc	109	2,200	10,000	10,000	10,000	---	12.3	12	57.6	12.6	24.1	21.7	10.2	20.2	21	14.7	19.8	31.7	21.4	24.4	45	46

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (mg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 7 -Metals Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SSBR-13 (20-25) 10/8/2014 Soil	SSBR-14 (1-5) 10/8/2014 Soil	SSBR-14 (5-10) 10/8/2014 Soil	SSBR-14 (10-15) 10/8/2014 Soil	SSBR-14 (15-20) 10/8/2014 Soil	SSBR-14 (20-25) 10/8/2014 Soil	SSBR-15 (1-5) 10/8/2014 Soil	SSBR-15 (5-10) 10/8/2014 Soil	SSBR-15 (10-15) 10/8/2014 Soil	SSBR-15 (15-20) 10/8/2014 Soil	SSBR-15 (20-25) 10/8/2014 Soil	SSBR-16 (1-5) 10/8/2014 Soil	SSBR-16 (5-10) 10/8/2014 Soil	SSBR-16 (10-15) 10/8/2014 Soil	SSBR-17 (1-5) 10/8/2014 Soil	SSBR-17 (5-10) 10/8/2014 Soil
Metals by USEPA Method 6010C/7471B (mg/Kg)																						
Aluminum	--	--	--	--	--	---	5,610	6,530	5,790	8,430	7,850	9,460	3,790	2,230	4,360	11,200	7,210	4,070	5,100	2,320	820	1,980
Antimony	--	--	--	--	--	---	0.66 B	1.1 B	0.93 B	1.1 B	1.2 B	1.3 B	1.1 B	1.4 B	0.76 B	0.97 B	1.1 B	0.9 B	1.3 B	0.54 B	9.4	1.7 B
Arsenic	13	16	16	16	16	100	4.3	3.1	4.1	3	4	3.2	24.7	3.6	4.5	2.2	2	2.8	5.2	1.2	111	139
Barium	350	350	400	400	10,000	20,000	42.5	38.6	37.7	30.7	27.3	32.7	19 B	34.8	34.7	32.9	26.8	28.8	26.5	12.9 B	29.9	19.6 B
Beryllium	7.2	14	72	590	2,700	---	0.41 B	ND	0.26 B	0.2 B	0.44 B	0.36 B	ND	0.27 B	0.38 B	0.13 B	0.16 B	ND	ND	0.056 B	ND	ND
Cadmium	2.5	2.5	4.3	9.3	60	2,000	ND	ND	0.046 B	ND	ND	ND	0.3 B	ND	ND	ND	ND	ND	0.087 B	ND	0.74	0.27 B
Calcium	--	--	--	--	--	---	1,170	9,640	1,200	683	582 B	481 B	24,200	168 B	1,380	479 B	390 B	1,600	3,370	227 B	812	198 B
Chromium	1	22	110	400	800	100	19.9	14.9	1.7	15.6	23	15.3	10.1	31.5	26.8	15.2	10.2	15.1	9.4	8.1	22.4	15.6
Cobalt	--	--	--	--	--	---	20.2	5.8	13.4	5.8 B	9.5	14.6	4.9 B	5	2 B	5.2 B	8.2	3.7 B	7.4	2.9 B	4.9 B	0.97 B
Copper	50	270	270	270	10,000	---	17.2	15.4	26.7	21.3	19.1	15	14.5	50.7	20.8	25.7	21	7.7	19.4	4.8	75.4	12.4
Iron	--	--	--	--	--	---	15,700	1,130	10,300	21,400	24,000	21,100	10,800	31,200	15,900	13,000	15,300	10,500	9,860	10,300	17,800	13,900
Lead	63	400	400	1,000	3,900	100	8.5	46.3	30.8	9.3	8.8	7	8.9	10.5	15.2	5.8	5.6	24.7	11.9	2.4	33.1	137
Magnesium	--	--	--	--	--	---	1,290	3,190	581	1,440	995	1,550	11,200	46 B	215 B	1,100	794	885	1,340	335 B	960	543 B
Manganese	1,600	2,000	2,000	10,000	10,000	---	151	216	1,670	208	177	309	116	52	8	87	133	191	102	50	153	60
Mercury	0.18	0.81	0.81	2.8	5.7	40	0.02	0.063	0.039 B	ND	ND	ND	ND	ND	ND	ND	ND	0.054	ND	ND	ND	ND
Nickel	30	140	310	310	10,000	---	12.7	10.3	19	17.9	17.1	21.6	5.9	6.1	3 B	9.8	9	4.9	11.3	6.8	6.6	1.9 B
Potassium	--	--	--	--	--	---	928	834	694	1,170	1,170	1,390	586	241 B	1,090	1,480	1,120	552 B	439 B	372 B	1,080	709
Selenium	3.9	36	180	1,500	6,800	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46 B	1.1	ND	3.3	4.1
Silver	2	36	180	1,500	6,800	100	ND	ND	0.044 B	ND	ND	ND	0.87 B	ND	ND	ND	ND	ND	0.48 B	ND	ND	ND
Sodium	--	--	--	--	--	---	93.5 B	324 B	157 B	47.3 B	55 B	98 B	201 B	30.2 B	84.6 B	30.5 B	27 B	283 B	381 B	504 B	179 B	93.5 B
Thallium	--	--	--	--	--	---	ND	ND	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	--	--	--	--	--	---	24.8	17.9	21.3	26.9	30.9	26.7	12.6	41.1	61.3	26.4	22.2	12	22.7	9.9	26.4	7.4
Zinc	109	2,200	10,000	10,000	10,000	---	45.5	34.9	25.7	56.3	58.4	67	20.1	54.5	19.9	37.1	35.1	21.7	94.3	17.9	51.4	16.4

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (mg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 7 -Metals Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SSBR-17 (10-15) 10/8/2014 Soil	SBFT-18 (1-5) 10/6/2014 Soil	SBFT-18 (5-10) 10/6/2014 Soil	SBFT-18 (10-15) 10/6/2014 Soil	SSBR-19 (1-5) 10/6/2014 Soil	SSBR-19 (5-10) 10/6/2014 Soil	SSBR-19 (10-15) 10/6/2014 Soil	SSBR-20 (1-5) 10/6/2014 Soil	SSBR-20 (5-10) 10/6/2014 Soil	SSBR-20 (10-15) 10/6/2014 Soil	SSBR-21 (1-5) 10/6/2014 Soil	SSBR-21 (5-10) 10/6/2014 Soil	SSBR-21 (10-15) 10/6/2014 Soil
Metals by USEPA Method 6010C/7471B (mg/Kg)																			
Aluminum	--	--	--	--	--	---	1,300	8,730	3,900	1,410	4,880	1,080	598	4,760	7,270	1,340	6,070	2,880	822
Antimony	--	--	--	--	--	---	0.18 B	0.87 B	0.52 B	0.33 B	0.61 B	0.35 B	0.21 B	0.46 B	1.1 B	0.37 B	0.74 B	0.42 B	0.25 B
Arsenic	13	16	16	16	16	100	27.6	0.86 B	0.94 B	1.1 B	0.97 B	0.73 B	0.27 B	1 B	1.9	0.39 B	1.5	0.21 B	ND
Barium	350	350	400	400	10,000	20,000	9.8 B	30.6	20.4 B	47	19.6 B	5.3 B	2.4 B	33.8	46.6	7.7 B	25.1	18.2 B	6.2 B
Beryllium	7.2	14	72	590	2,700	---	ND	ND	ND	0.12 B	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	2.5	2.5	4.3	9.3	60	2,000	0.11 B	ND	ND	ND	ND	ND	ND	ND	0.26 B	ND	0.42 B	ND	0.069 B
Calcium	--	--	--	--	--	---	98 B	558 B	384 B	287 B	1,320	106 B	39 B	4,240	11,200	98 B	13,100	1,980	119 B
Chromium	1	22	110	400	800	100	9	16.8	10	6.3	9.8	8.7	2.9	11.4	19.5	10.3	20	14.9	3.4
Cobalt	--	--	--	--	--	---	0.76 B	6.3	3.7 B	1.7 B	4.1 B	0.97 B	0.46 B	5.4	9.7	0.65 B	4.8 B	2.3 B	0.96 B
Copper	50	270	270	270	10,000	---	6.2	9.7	5.2	7.6	6.2	5.8	3.3	45.6	26.1	1.6 B	10.4	5.6	1.4 B
Iron	--	--	--	--	--	---	7,200	14,700	8,980	8,620	8,290	4,590	3,500	9,360	14,300	3,910	11,300	7,090	2,300
Lead	63	400	400	1,000	3,900	100	88.5	5.8	2.6	2.1	5.8	0.86	0.69	6.6	9.7	1.4	7.4	2.4	0.65
Magnesium	--	--	--	--	--	---	227 B	1,900	1,040	457 B	1,300	222 B	58 B	2,180	5,560	141 B	3,130	968	184 B
Manganese	1,600	2,000	2,000	10,000	10,000	---	19	309	211	45	235	75	23	368	862	113	313	160	94
Mercury	0.18	0.81	0.81	2.8	5.7	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	30	140	310	310	10,000	---	2.5 B	7.1	4.2 B	2.8 B	4.3 B	1.8 B	0.83 B	9.2	14.2	2.4 B	7.3	7.9	1.4 B
Potassium	--	--	--	--	--	---	471 B	979	622	327 B	542 B	221 B	136 B	853	989	194 B	654	767	222 B
Selenium	3.9	36	180	1,500	6,800	20	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	36	180	1,500	6,800	100	ND	0.62 B	0.34 B	0.38 B	0.35 B	0.19 B	0.16 B	0.38 B	1.4	0.23 B	1.8	0.48 B	0.063 B
Sodium	--	--	--	--	--	---	49.9 B	399 B	33 B	ND	115 B	ND	ND	133 B	128 B	ND	268 B	55.5 B	ND
Thallium	--	--	--	--	--	---	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND
Vanadium	--	--	--	--	--	---	7	23.3	1.1	7.8	13.3	3.8 B	2.2 B	18	21.2	5.8	15.2	6.4	2.1 B
Zinc	109	2,200	10,000	10,000	10,000	---	8.9	26.1	15	12.9	14.8	5.3	3	18.7	38.8	5.8	24.5	14.6	4.4

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (mg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

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P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 8 -TCLP Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	**USEPA TCLP Regulatory**	SSBR-2 (0-5) 10/21/2014 Soil		SSBR-3 (5-10) 10/21/2014 Soil		SSBR-17 (1-5) 10/8/2014 Soil		SSBR-17 (5-10) 10/8/2014 Soil		SSBR-17 (10-15) 10/8/2014 Soil	
TCLP Metals (mg/L)											
Arsenic	5	NA		1	H	1	H	1	H	1	H
Lead	5	0.02	H	1	H	NA		1	H	NA	

Notes:
USEPA TCLP- United States Environmental Protection Agency Toxicity Characteristics Leaching Procedure
Samples analyzed by Pace Analytical Services of Melville, New York
Highlighted values exceed USEPA TCLP Regulatory Levels
All units are milligrams per liter (mg/L)
NA = Not analyzed
ND = Not detected
-- = No standard
time

Table 9 - Radiological Soil Sample Results (Decay Corrected) (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID	Direct Ingestion of Soil	Inhalation of Fugitive Dusts	SBOF-1 (0-5)		SSBR-1 (0-5)		SSBR-1 (5-10)		SSBR-2 (0-5)		SSBR-2 (5-10)		SSBR-3 (0-5)		SSBR-3 (5-10)		SSBR-4 (0-5)		SSBR-4 (5-10)		SSBR-4 (10-15)		SSBR-5 (0-5)	
Sample Date			10/21/2014		10/21/2014		10/21/2014		10/21/2014		10/21/2014		10/21/2014		10/21/2014		10/21/2014		10/21/2014		10/21/2014		10/21/2014	
Matrix			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Radiochemistry by USEPA Method 901.1 (pCi/g)			Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-
Actinium-228	-----	-----	0.241	0.129	0.302	0.184	0.617	0.239	1.187	0.339	1.108	0.311	1.099	0.264	0.632	0.232	0.812	0.305	1.369	0.360	2.384	0.538	0.687	0.294
Bismuth-212	-----	-----	0.360	0.686	0.007	0.649	-0.095	3.795	1.838	0.951	0.744	0.905	1.324	0.754	0.871	0.917	2.286	1.137	1.330	1.208	1.555	1.145	0.619	0.949
Bismuth-214	-----	-----	0.245	0.119	0.293	0.119	0.257	0.123	0.859	0.223	0.494	0.205	0.589	0.175	0.562	0.214	0.828	0.221	0.892	0.220	1.164	0.300	0.536	0.161
Lead-210	**0.45900**	**2010**	-0.856	2.095	-0.704	2.187	-0.186	11.319	0.445	1.639	0.686	1.487	0.989	1.378	0.044	1.583	0.383	1.470	1.127	1.461	1.599	2.342	0.559	1.330
Lead-212	-----	-----	0.343	0.109	0.398	0.124	0.350	0.115	0.823	0.184	0.883	0.214	0.780	0.189	0.631	0.172	1.362	0.287	1.068	0.222	2.409	0.404	0.819	0.179
Lead-214	-----	-----	0.312	0.120	0.325	0.121	0.169	0.107	0.947	0.231	0.613	0.195	0.721	0.186	0.687	0.218	0.782	0.219	0.800	0.198	1.360	0.289	0.670	0.187
Potassium-40	**12.80**	**1760000**	5.976	1.624	5.238	1.552	3.648	1.189	11.438	2.359	10.580	2.534	9.515	2.068	7.987	1.981	5.080	1.471	4.318	1.333	32.421	5.200	6.530	1.675
Protactinium-231	**2.12**	**399**	0.161	1.521	0.818	1.373	0.549	1.475	0.972	1.591	-0.029	10.339	-0.351	2.693	0.484	1.818	-0.871	2.393	0.840	2.097	-0.913	4.037	0.089	1.637
Protactinium-234M	-----	-----	-0.975	4.577	0.218	5.934	-0.278	5.545	6.010	7.824	0.706	8.553	0.117	5.961	0.000	7.325	2.885	6.536	1.079	5.331	6.220	9.470	0.000	6.545
Radium-226	**1.09**	**1570**	0.312	0.114	0.335	0.088	0.209	0.083	0.899	0.181	0.572	0.181	0.667	0.169	0.619	0.164	0.849	0.226	0.844	0.207	1.253	0.239	0.597	0.134
Radium-228	**1.29**	**12900**	0.241	0.129	0.302	0.184	0.617	0.239	1.187	0.339	1.108	0.311	1.099	0.264	0.632	0.232	0.812	0.305	1.369	0.360	2.384	0.538	0.687	0.294
Thallium-208	-----	-----	0.156	0.061	0.064	0.059	0.101	0.055	0.407	0.124	0.262	0.089	0.311	0.098	0.168	0.080	0.418	0.115	0.379	0.111	0.742	0.172	0.387	0.102
Thorium-228	**10.70**	**1380**	0.223	0.067	0.339	0.086	0.342	0.090	0.624	0.194	0.497	0.174	0.622	0.192	0.716	0.167	0.878	0.174	0.744	0.154	1.89	0.342	0.659	0.139
Thorium-230	**3.93**	**637**	0.187	0.058	0.271	0.073	0.218	0.063	0.482	0.155	0.465	0.132	0.341	0.134	0.666	0.154	0.556	0.121	0.664	0.138	0.941	0.187	0.451	0.102
Thorium-232	**3.44**	**419**	0.155	0.051	0.309	0.077	0.337	0.082	0.584	0.157	0.518	0.133	0.543	0.137	0.558	0.136	0.691	0.141	0.821	0.163	1.69	0.305	0.627	0.131
Thorium-234	-----	-----	0.229	0.288	-0.163	6.505	0.314	0.205	1.608	0.871	1.316	0.836	1.459	0.815	0.515	0.418	1.246	0.711	1.407	0.924	2.033	1.056	0.856	0.770
U-233/234 (U-234)	**5.02**	**1590**	0.197	0.045	0.357	0.068	0.242	0.054	0.493	0.091	0.474	0.087	0.468	0.084	0.472	0.084	0.450	0.081	0.562	0.097	0.944	0.163	0.372	0.074
U-235/236 (U-236)	**5.33**	**1730**	0.011	0.011	0.039	0.019	0.016	0.012	0.036	0.020	0.052	0.023	0.048	0.021	0.054	0.021	0.040	0.019	0.060	0.024	0.057	0.028	0.037	0.018
U-235	**48.70**	**1800**	0.061	0.053	0.068	0.068	0.061	0.062	0.201	0.083	0.078	0.065	0.075	0.061	0.136	0.079	0.124	0.088	0.097	0.072	0.262	0.151	0.059	0.058
U-238	**3.78**	**1943**	0.166	0.040	0.316	0.062	0.231	0.049	0.502	0.092	0.441	0.081	0.472	0.084	0.545	0.093	0.445	0.080	0.520	0.091	0.895	0.154	0.326	0.064

Notes

Radiological samples were analyzed by Pace Analytical Service, Inc. of Greensburg, PA

Results provided in picocuries per gram (pCi/g)

Values highlighted exceed USEPA Decay Corrected SSLs for Radionuclides

SSL = Soil Screening Levels

USEPA = United States Environmental Protection Agency

Sample results compared to USEPA Soil Screening Guidance for Radionuclides: Technical Background Document (EPA/540-R-00-007), Table A.2. Generic (Decay Corrected) SSLs for Radionuclides

Table 9 - Radiological Soil Sample Results (Decay Corrected) (Road
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID	Direct Ingestion of Soil	Inhalation of Fugitive Dusts	SSBR-5 (5-10)		SSBR-5 (10-15)		SSBR-6 (0-5)		SSBR-6 (5-10)		SSBR- 6 (10-15)		SSBR-6 (15-20)		SSBR-7 (0-5)		SSBR-7 (5-10)		SSBR-7 (10-15)		SSBR-7 (15-20)		SSBR-8 (0-5)	
Sample Date			10/21/2014		10/21/2014		10/21/2014		10/21/2014		10/21/2014		10/21/2014		10/22/2014		10/22/2014		10/22/2014		10/22/2014		10/22/2014	
Matrix			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Radiochemistry by USEPA Method 901.1 (pCi/g)			Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-
Actinium-228	-----	-----	1.024	0.314	2.599	0.666	0.592	0.189	1.097	0.420	2.351	0.483	2.325	0.551	1.979	0.480	0.706	0.256	2.489	0.602	2.157	0.462	0.297	0.207
Bismuth-212	-----	-----	1.229	0.960	1.455	1.621	0.829	0.978	0.369	1.201	2.507	1.843	1.352	1.903	0.976	1.057	0.646	1.088	0.554	1.426	2.695	1.294	0.084	0.892
Bismuth-214	-----	-----	1.155	0.293	1.844	0.461	0.665	0.188	0.816	0.268	1.885	0.448	1.214	0.334	1.172	0.266	0.792	0.243	6.009	1.008	1.336	0.327	0.691	0.204
Lead-210	**0.45900**	**2010**	1.719	1.843	3.500	2.404	-0.184	7.371	0.735	2.116	1.234	2.656	5.745	3.398	1.189	1.895	0.912	1.587	1.894	2.747	3.271	2.884	0.837	1.559
Lead-212	-----	-----	1.284	0.294	2.203	0.450	0.565	0.148	1.297	0.271	2.211	0.416	2.496	0.510	1.452	0.274	0.714	0.187	1.440	0.319	2.146	0.412	0.627	0.175
Lead-214	-----	-----	1.404	0.288	1.880	0.458	0.684	0.197	1.147	0.295	2.269	0.458	1.687	0.405	1.260	0.295	0.788	0.225	6.918	1.112	1.581	0.329	0.705	0.188
Potassium-40	**12.80**	**1760000**	10.671	2.262	27.663	5.155	9.969	2.255	14.661	3.272	21.752	4.247	28.782	5.489	20.181	3.602	8.918	2.350	16.224	3.434	26.570	4.593	5.670	1.790
Protactinium-231	**2.12**	**399**	0.069	2.270	-0.302	8.095	0.703	1.886	-0.312	4.104	-0.339	7.251	-2.092	5.065	0.813	1.436	0.902	1.938	-0.248	5.065	2.775	2.491	-0.616	2.423
Protactinium-234M	-----	-----	-2.224	7.494	9.520	13.976	0.000	7.049	3.402	10.252	-0.240	13.410	0.000	16.103	3.170	6.735	0.902	7.176	6.928	12.440	-1.598	269.750	-0.889	35.547
Radium-226	**1.09**	**1570**	1.359	0.269	1.813	0.424	0.687	0.140	0.947	0.242	2.035	0.406	1.422	0.338	1.227	0.241	0.793	0.204	6.332	0.969	1.556	0.314	0.677	0.149
Radium-228	**1.29**	**12900**	1.024	0.314	2.599	0.666	0.592	0.189	1.097	0.420	2.351	0.483	2.325	0.551	1.979	0.480	0.706	0.256	2.489	0.602	2.157	0.462	0.297	0.207
Thallium-208	-----	-----	0.375	0.127	0.764	0.220	0.230	0.112	0.480	0.134	0.766	0.203	0.849	0.217	0.521	0.124	0.324	0.101	0.794	0.234	0.632	0.154	0.256	0.087
Thorium-228	**10.70**	**1380**	1.02	0.216	1.74	0.341	0.476	0.117	0.854	0.190	1.41	0.283	1.63	0.293	1.12	0.224	0.736	0.157	1.80	0.348	1.80	0.374	0.565	0.126
Thorium-230	**3.93**	**637**	0.981	0.191	1.39	0.274	0.400	0.093	0.719	0.151	1.50	0.284	0.952	0.180	1.09	0.212	0.773	0.159	0.657	0.161	1.49	0.311	0.503	0.113
Thorium-232	**3.44**	**419**	0.863	0.173	1.62	0.304	0.386	0.089	0.683	0.147	1.46	0.275	1.72	0.303	1.04	0.202	0.733	0.154	0.862	0.191	1.54	0.312	0.455	0.104
Thorium-234	-----	-----	2.258	0.996	4.616	1.908	0.930	0.760	2.709	1.262	3.469	1.477	0.966	0.540	2.234	1.094	0.887	0.619	-0.298	17.080	3.380	1.492	1.432	0.848
U-233/234 (U-234)	**5.02**	**1590**	0.988	0.163	1.31	0.210	0.357	0.070	0.834	0.141	1.49	0.238	0.910	0.160	0.844	0.151	0.448	0.091	0.614	0.123	1.20	0.202	0.417	0.085
U-235/236 (U-236)	**5.33**	**1730**	0.093	0.033	0.113	0.037	0.039	0.020	0.054	0.025	0.106	0.039	0.067	0.033	0.078	0.035	0.035	0.021	0.065	0.033	0.048	0.027	0.017	0.014
U-235	**48.70**	**1800**	0.128	0.073	0.386	0.159	0.151	0.079	0.121	0.096	0.257	0.123	0.285	0.165	0.145	0.113	0.107	0.077	0.588	0.211	0.295	0.127	0.065	0.085
U-238	**3.78**	**1943**	0.916	0.153	1.31	0.207	0.429	0.080	0.787	0.134	1.47	0.235	1.01	0.173	0.857	0.152	0.468	0.091	0.593	0.120	1.38	0.227	0.392	0.081

Notes

Radiological samples were analyzed by Pace Analytical Service, Inc. of Greensburg, PA

Results provided in picocuries per gram (pCi/g)

Values highlighted exceed USEPA Decay Corrected SSLs for Radionuclides

SSL = Soil Screening Levels

USEPA = United States Environmental Protection Agency

Sample results compared to USEPA Soil Screening Guidance for Radionuclides: Techn

Table 9 - Radiological Soil Sample Results (Decay Corrected) (Road
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID	Direct Ingestion of Soil	Inhalation of Fugitive Dusts	SSBR-8 (5-10)		SSBR-8 (10-15)		SSBR-8 (15-20)		SSBR-9 (0-5)		SSBR-9 (5-10)		SSBR-9 (10-15)		SSBR-9 (15-20)		SSBR-10 (0-5)		SSBR-10 (5-10)		SSBR-10 (10-15)		SSBR-10 (15-20)	
Sample Date			10/22/2014		10/22/2014		10/22/2014		10/22/2014		10/22/2014		10/22/2014		10/22/2014		10/22/2014		10/22/2014		10/22/2014		10/22/2014	
Matrix			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Radiochemistry by USEPA Method 901.1 (pCi/g)			Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-
Actinium-228	-----	-----	0.372	0.229	0.587	0.257	0.253	0.233	0.289	0.233	0.284	0.188	1.345	0.329	0.688	0.240	0.530	0.243	0.855	0.354	0.303	0.226	0.377	0.210
Bismuth-212	-----	-----	0.613	0.831	-0.054	2.153	0.003	1.020	0.094	0.781	0.307	0.660	0.983	1.018	0.477	0.977	1.014	1.159	0.778	1.289	-0.057	2.267	0.391	0.758
Bismuth-214	-----	-----	0.496	0.236	0.550	0.171	0.529	0.172	0.352	0.164	0.486	0.160	0.732	0.242	0.363	0.134	0.865	0.271	0.775	0.263	0.481	0.162	0.528	0.167
Lead-210	**0.45900**	**2010**	0.524	1.313	0.215	1.210	0.459	1.396	-0.230	9.193	0.198	1.298	0.349	1.635	-0.209	86.903	-0.669	3.759	-0.276	1281.700	0.394	1.336	0.202	1.231
Lead-212	-----	-----	0.612	0.179	0.424	0.132	0.441	0.153	0.546	0.155	0.379	0.130	1.038	0.254	0.789	0.194	0.818	0.226	0.851	0.233	0.575	0.163	0.448	0.149
Lead-214	-----	-----	0.516	0.193	0.611	0.165	0.422	0.150	0.450	0.140	0.446	0.150	0.730	0.200	0.473	0.157	0.873	0.254	0.875	0.249	0.429	0.151	0.297	0.122
Potassium-40	**12.80**	**1760000**	8.090	2.139	5.183	1.601	6.525	1.949	6.592	1.816	5.658	1.726	6.341	1.978	4.509	1.469	7.079	1.952	9.533	2.427	7.149	1.900	3.604	1.284
Protactinium-231	**2.12**	**399**	-0.562	2.556	-0.021	0.837	-0.024	0.944	0.291	1.743	-0.775	2.269	0.721	2.095	-0.250	2.087	-0.332	2.665	-0.026	1.044	-0.662	2.208	1.746	1.466
Protactinium-234M	-----	-----	-0.941	37.647	0.531	7.104	0.237	8.327	-0.829	33.160	2.012	6.436	1.920	7.838	-0.900	91.648	7.075	8.602	2.274	7.343	3.302	6.691	0.474	4.435
Radium-226	**1.09**	**1570**	0.453	0.190	0.603	0.129	0.507	0.165	0.396	0.117	0.475	0.154	0.794	0.183	0.416	0.138	0.832	0.219	0.838	0.237	0.441	0.149	0.557	0.176
Radium-228	**1.29**	**12900**	0.372	0.229	0.587	0.257	0.253	0.233	0.289	0.233	0.284	0.188	1.345	0.329	0.688	0.240	0.530	0.243	0.855	0.354	0.303	0.226	0.377	0.210
Thallium-208	-----	-----	0.083	0.078	0.288	0.090	0.033	0.071	0.200	0.075	0.206	0.075	0.479	0.132	0.267	0.084	0.301	0.097	0.425	0.123	0.158	0.083	0.142	0.060
Thorium-228	**10.70**	**1380**	0.448	0.102	0.927	0.185	0.399	0.090	0.422	0.098	0.485	0.113	0.848	0.169	0.805	0.161	0.521	0.125	0.668	0.151	0.563	0.120	0.387	0.090
Thorium-230	**3.93**	**637**	0.429	0.097	0.604	0.129	0.288	0.071	0.313	0.077	0.233	0.064	0.387	0.092	0.416	0.095	0.499	0.114	0.684	0.152	0.329	0.079	0.299	0.070
Thorium-232	**3.44**	**419**	0.363	0.085	0.774	0.156	0.373	0.084	0.358	0.084	0.441	0.100	0.900	0.173	0.861	0.168	0.476	0.110	0.783	0.168	0.505	0.107	0.320	0.073
Thorium-234	-----	-----	0.557	0.548	1.782	0.845	0.634	0.542	0.995	0.793	0.351	0.381	1.703	0.852	1.049	0.995	0.969	1.065	1.360	0.969	1.098	0.803	0.714	0.507
U-233/234 (U-234)	**5.02**	**1590**	0.395	0.077	0.447	0.079	0.331	0.067	0.289	0.062	0.267	0.058	0.461	0.088	0.350	0.076	0.438	0.087	0.563	0.104	0.294	0.066	0.308	0.068
U-235/236 (U-236)	**5.33**	**1730**	0.395	0.077	0.031	0.015	0.017	0.013	0.021	0.015	0.014	0.013	0.012	0.018	0.008	0.019	0.016	0.025	0.029	0.021	0.022	0.020	0.036	0.020
U-235	**48.70**	**1800**	0.120	0.071	0.117	0.059	0.028	0.054	0.077	0.079	0.093	0.081	0.104	0.101	0.072	0.059	0.063	0.076	0.180	0.110	0.070	0.064	0.051	0.054
U-238	**3.78**	**1943**	0.384	0.073	0.469	0.082	0.286	0.058	0.294	0.062	0.260	0.056	0.440	0.084	0.344	0.074	0.481	0.093	0.452	0.088	0.315	0.069	0.306	0.068

Notes

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Results provided in picocuries per gram (pCi/g)

Values highlighted exceed USEPA Decay Corrected SSLs for Radionuclides

SSL = Soil Screening Levels

USEPA = United States Environmental Protection Agency

Sample results compared to USEPA Soil Screening Guidance for Radionuclides: Techn

Table 9 - Radiological Soil Sample Results (Decay Corrected) (Road
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID	Direct Ingestion of Soil	Inhalation of Fugitive Dusts	SSBR-11 (0-5)		SSBR-11 (5-10)		SSBR-11 (10-15)		SSBR-11 (15-20)		SSBR-11 (20-25)		SSBR-12 (0-5)		SSBR-12 (5-10)		SSBR-12 (10-15)		SSBR-12 (15-20)		SSBR-12 (20-25)		SSBR-13 (1-5)	
Sample Date			10/23/2014		10/23/2014		10/23/2014		10/23/2014		10/23/2014		10/23/2014		10/23/2014		10/23/2014		10/23/2014		10/23/2014		10/8/2014	
Matrix			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Radiochemistry by USEPA Method 901.1 (pCi/g)			Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-
Actinium-228	-----	-----	0.875	0.314	1.323	0.343	1.428	0.425	0.668	0.269	1.844	0.431	1.689	0.409	1.463	0.446	0.803	0.377	1.047	0.390	0.961	0.353	0.986	0.307
Bismuth-212	-----	-----	0.799	0.815	1.878	0.903	0.959	1.229	0.338	1.057	3.731	1.859	2.174	1.020	0.905	1.267	0.807	1.447	0.470	1.384	0.765	1.052	0.176	0.891
Bismuth-214	-----	-----	0.711	0.222	0.848	0.234	1.137	0.276	1.703	0.379	1.238	0.315	1.182	0.298	1.131	0.306	1.251	0.374	1.119	0.335	0.904	0.256	0.696	0.239
Lead-210	**0.45900**	**2010**	0.660	1.280	-0.256	10.227	0.103	1.606	1.058	1.718	3.312	2.700	1.431	1.942	0.940	2.089	2.303	2.337	0.793	2.253	-0.669	4.159	2.079	1.592
Lead-212	-----	-----	0.903	0.220	1.214	0.267	1.215	0.265	1.119	0.244	2.025	0.362	1.497	0.299	1.335	0.283	1.094	0.263	1.106	0.281	0.795	0.201	0.727	0.194
Lead-214	-----	-----	0.953	0.228	0.949	0.280	1.147	0.291	1.400	0.330	1.391	0.303	1.284	0.290	1.218	0.316	1.322	0.349	1.186	0.305	1.227	0.294	0.733	0.217
Potassium-40	**12.80**	**1760000**	5.399	1.579	9.928	2.531	9.441	2.294	8.779	2.245	25.915	4.483	13.303	3.013	15.106	3.324	25.454	4.985	12.526	2.969	8.858	2.288	-0.28	11.211
Protactinium-231	**2.12**	**399**	-0.205	2.520	-0.443	2.925	-0.020	26.021	0.774	2.238	0.703	2.542	-0.883	2.904	-0.238	2.953	0.628	2.928	-0.031	1.234	-0.707	3.017	-0.468	2.059
Protactinium-234M	-----	-----	-3.385	13.904	-0.922	36.889	-0.879	35.147	2.960	6.850	-0.115	8.832	2.222	10.309	-0.971	38.834	-0.183	12.113	-0.438	21.261	1.383	7.238	0.096	5.17
Radium-226	**1.09**	**1570**	0.855	0.203	0.918	0.194	1.204	0.253	1.586	0.294	1.310	0.283	1.228	0.275	1.206	0.233	1.337	0.348	1.170	0.301	1.019	0.242	0.705	0.192
Radium-228	**1.29**	**12900**	0.875	0.314	1.323	0.343	1.428	0.425	0.668	0.269	1.844	0.431	1.689	0.409	1.463	0.446	0.803	0.377	1.047	0.390	0.961	0.353	0.986	0.307
Thallium-208	-----	-----	0.286	0.101	0.433	0.154	0.391	0.132	0.554	0.137	0.721	0.171	0.501	0.146	0.514	0.142	0.412	0.157	0.451	0.152	0.381	0.110	0.281	0.088
Thorium-228	**10.70**	**1380**	0.455	0.096	0.764	0.156	0.748	0.146	0.629	0.129	1.60	0.314	0.925	0.184	1.01	0.226	0.494	0.118	0.415	0.099	0.571	0.125	0.601	0.141
Thorium-230	**3.93**	**637**	0.578	0.113	0.714	0.142	0.543	0.110	0.757	0.147	0.938	0.194	0.666	0.137	0.898	0.211	0.664	0.142	0.508	0.109	0.702	0.140	0.464	0.115
Thorium-232	**3.44**	**419**	0.471	0.095	0.702	0.139	0.655	0.128	0.623	0.124	1.61	0.296	0.772	0.154	0.956	0.216	0.510	0.116	0.421	0.092	0.493	0.106	0.505	0.119
Thorium-234	-----	-----	0.232	0.775	1.576	0.845	1.409	0.961	1.319	1.149	2.566	1.180	0.927	0.696	1.198	1.416	2.563	1.524	2.083	1.338	0.808	0.535	1.101	0.663
U-233/234 (U-234)	**5.02**	**1590**	0.590	0.105	0.458	0.085	0.711	0.127	0.854	0.151	0.912	0.172	0.505	0.102	0.709	0.131	0.635	0.119	0.462	0.089	0.847	0.147	0.425	0.079
U-235/236 (U-236)	**5.33**	**1730**	0.037	0.022	0.042	0.021	0.046	0.028	0.071	0.031	0.040	0.027	0.037	0.022	0.031	0.022	0.019	0.029	0.026	0.019	0.067	0.032	0.021	0.014
U-235	**48.70**	**1800**	0.184	0.085	0.155	0.081	0.290	0.087	0.205	0.117	0.152	0.086	0.131	0.107	0.068	0.071	0.153	0.115	0.105	0.093	0.216	0.126	0.074	0.06
U-238	**3.78**	**1943**	0.647	0.112	0.533	0.095	0.693	0.124	0.925	0.161	0.969	0.180	0.503	0.102	0.716	0.130	0.644	0.120	0.497	0.094	0.883	0.152	0.423	0.078

Notes

Radiological samples were analyzed by Pace Analytical Service, Inc. of Greensburg, PA

Results provided in picocuries per gram (pCi/g)

Values highlighted exceed USEPA Decay Corrected SSLs for Radionuclides

SSL = Soil Screening Levels

USEPA = United States Environmental Protection Agency

Sample results compared to USEPA Soil Screening Guidance for Radionuclides: Techn

Table 9 - Radiological Soil Sample Results (Decay Corrected) (Road
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID	Direct Ingestion of Soil	Inhalation of Fugitive Dusts	SSBR-13 (5-10)		SSBR-13 (10-15)		SSBR-13 (15-20)		SSBR-13 (20-25)		SSBR-14 (1-5)		SSBR-14 (5-10)		SSBR-14 (10-15)		SSBR-14 (15-20)		SSBR-14 (20-25)		SSBR-15 (1-5)		SSBR-15 (5-10)	
Sample Date			10/8/2014		10/8/2014		10/8/2014		10/8/2014		10/8/2014		10/8/2014		10/8/2014		10/8/2014		10/8/2014		10/8/2014		10/8/2014	
Matrix			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Radiochemistry by USEPA Method 901.1 (pCi/g)			Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-
Actinium-228	-----	-----	0.96	0.371	2.067	0.485	1.165	0.433	1.303	0.425	0.99	0.293	2.035	0.507	1.994	0.449	1.799	0.471	1.78	0.502	0.412	0.309	0.895	0.347
Bismuth-212	-----	-----	1.685	1.353	3.552	1.332	1.492	1.608	2.638	1.179	0.801	0.89	1.002	1.681	2.595	1.185	0.962	1.17	2.874	1.402	0.763	1.065	0.402	1.073
Bismuth-214	-----	-----	1.462	0.358	1.834	0.376	1.328	0.385	1.204	0.31	0.783	0.228	1.498	0.416	1.5	0.365	1.225	0.314	0.993	0.289	0.638	0.202	1.438	0.345
Lead-210	**0.45900**	**2010**	2.772	2.386	0.769	2.181	-0.126	8.849	1.917	2.528	2.047	1.675	2.169	2.867	1.086	2.173	1.322	2.203	1.271	2.407	-0.18	7.198	1.052	2.184
Lead-212	-----	-----	1.734	0.363	2.286	0.383	1.426	0.303	1.036	0.266	0.791	0.196	1.75	0.358	1.759	0.347	1.444	0.329	1.31	0.3	0.804	0.204	0.911	0.228
Lead-214	-----	-----	1.358	0.355	1.412	0.321	1.463	0.401	1.041	0.32	0.699	0.206	1.699	0.421	1.623	0.461	1.218	0.312	1.141	0.268	0.914	0.244	1.214	0.296
Potassium-40	**12.80**	**1760000**	11.734	2.842	23.536	4.036	19.72	4.015	16.735	3.57	9.128	2.251	17.068	3.873	20.038	4.08	-0.328	13.109	17.043	3.495	8.448	2.16	4.125	1.494
Protactinium-231	**2.12**	**399**	0.275	2.753	-0.792	3.126	0.566	2.937	-0.387	3.339	-0.493	2.43	-0.961	4.572	1.437	2.704	1.071	2.78	-0.086	3.012	-0.428	2.795	0.092	2.588
Protactinium-234M	-----	-----	4.488	10.465	-0.161	146.07	-0.01	10.735	0.43	10.316	-0.277	11.083	-0.461	25.175	3.054	10.743	-2.825	12.365	4.537	9.91	0.129	7.696	-0.356	14.611
Radium-226	**1.09**	**1570**	1.447	0.355	1.76	0.355	1.386	0.372	1.142	0.294	0.773	0.218	1.664	0.382	1.585	0.357	1.269	0.239	1.074	0.253	0.727	0.194	1.353	0.274
Radium-228	**1.29**	**12900**	0.96	0.371	2.067	0.485	1.165	0.433	1.303	0.425	0.99	0.293	2.035	0.507	1.994	0.449	1.799	0.471	1.78	0.502	0.412	0.309	0.895	0.347
Thallium-208	-----	-----	0.571	0.151	0.573	0.149	0.494	0.158	0.404	0.141	0.317	0.097	0.615	0.192	0.528	0.158	0.591	0.165	0.54	0.153	0.186	0.099	0.16	0.117
Thorium-228	**10.70**	**1380**	0.939	0.181	1.23	0.234	0.992	0.188	0.874	0.178	0.86	0.167	1.34	0.241	1.31	0.248	1.15	0.226	1.72	0.328	0.492	0.124	0.958	0.258
Thorium-230	**3.93**	**637**	0.775	0.146	0.933	0.183	0.878	0.164	0.658	0.14	0.571	0.112	1.01	0.185	0.99	0.188	0.818	0.165	1.09	0.217	0.48	0.111	1.31	0.29
Thorium-232	**3.44**	**419**	1.03	0.185	1.15	0.215	1.06	0.192	0.872	0.168	0.7	0.133	1.27	0.225	1.24	0.229	1.01	0.192	1.5	0.276	0.446	0.103	0.742	0.184
Thorium-234	-----	-----	1.106	0.687	2.732	1.492	0.633	1.839	1.415	1.143	0.799	0.912	1.693	1.879	3.3	1.711	1.029	1.538	2.29	1.527	2.926	1.3	2.409	1.475
U-233/234 (U-234)	**5.02**	**1590**	0.836	0.149	0.831	0.137	0.759	0.134	0.779	0.14	0.513	0.104	0.954	0.154	0.857	0.141	0.736	0.125	0.793	0.146	0.47	0.082	1.86	0.286
U-235/236 (U-236)	**5.33**	**1730**	0.055	0.029	0.055	0.022	0.044	0.024	0.06	0.03	0.038	0.024	0.07	0.026	0.045	0.021	0.031	0.018	0.045	0.024	0.036	0.017	0.09	0.032
U-235	**48.70**	**1800**	0.171	0.113	0.278	0.12	0.129	0.105	0.098	0.096	0.116	0.094	0.161	0.136	0.172	0.151	0.307	0.13	0.084	0.093	0.103	0.106	0.208	0.102
U-238	**3.78**	**1943**	0.769	0.139	0.914	0.147	0.887	0.151	0.75	0.136	0.586	0.111	0.892	0.144	0.862	0.141	0.695	0.118	0.751	0.137	0.444	0.078	1.98	0.302

Notes

Radiological samples were analyzed by Pace Analytical Service, Inc. of Greensburg, PA

Results provided in picocuries per gram (pCi/g)

Values highlighted exceed USEPA Decay Corrected SSLs for Radionuclides

SSL = Soil Screening Levels

USEPA = United States Environmental Protection Agency

Sample results compared to USEPA Soil Screening Guidance for Radionuclides: Techn

Table 9 - Radiological Soil Sample Results (Decay Corrected) (Road
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID	Direct Ingestion of Soil	Inhalation of Fugitive Dusts	SSBR-15 (10-15)		SSBR-15 (15-20)		SSBR-15 (20-25)		SSBR-16 (1-5)		SSBR-16 (5-10)		SSBR-16 (10-15)		SSBR-17 (1-5)		SSBR-17 (5-10)		SSBR-17 (10-15)		SSBR-18 (1-5)		SSBR-18 (5-10)	
Sample Date			10/8/2014		10/8/2014		10/8/2014		10/8/2014		10/8/2014		10/8/2014		10/8/2014		10/8/2014		10/8/2014		10/6/2014		10/6/2014	
Matrix			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Radiochemistry by USEPA Method 901.1 (pCi/g)			Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-
Actinium-228	-----	-----	1.864	0.576	1.034	0.365	0.836	0.349	0.91	0.291	0.245	0.188	0.778	0.259	1.303	0.376	0.511	0.203	0.425	0.251	0.858	0.443	0.417	0.242
Bismuth-212	-----	-----	3.82	2	1.11	1.152	-0.053	2.107	0.027	0.919	0.689	0.588	0.345	0.763	0.722	1.083	0.313	0.705	0.471	0.689	0.439	0.824	0.374	0.494
Bismuth-214	-----	-----	2.126	0.463	2.004	0.445	2.049	0.428	0.9	0.228	0.214	0.125	0.677	0.217	0.821	0.271	0.631	0.174	0.198	0.132	0.502	0.243	0.35	0.167
Lead-210	**0.45900**	**2010**	2.231	3.244	2.6	2.502	1.449	2.42	0.819	1.249	0.435	1.072	-0.231	4.858	1.208	1.901	1.004	1.195	0.393	1.165	2.019	2.179	0.533	1.204
Lead-212	-----	-----	2.715	0.484	1.266	0.276	0.852	0.245	0.83	0.201	0.539	0.161	0.807	0.209	1.154	0.276	0.846	0.188	0.56	0.146	1.373	0.308	0.26	0.117
Lead-214	-----	-----	1.992	0.417	2.383	0.479	1.871	0.421	0.792	0.193	0.348	0.111	0.643	0.187	0.933	0.279	0.406	0.143	0.28	0.135	1.071	0.31	0.297	0.118
Potassium-40	**12.80**	**1760000**	32.545	5.591	10.677	2.515	14.837	3.119	8.816	2.144	4.65	1.43	4.7	1.568	13.392	2.882	7.897	1.858	3.042	1.288	11.373	3.177	10.109	2.346
Protactinium-231	**2.12**	**399**	1.649	3.515	-0.035	2.806	1	2.917	-0.199	2.351	-0.338	1.992	0.979	1.837	0.621	1.023	0.307	1.295	-0.326	2.013	-0.328	3.011	-0.241	1.753
Protactinium-234M	-----	-----	5.897	11.053	4.303	10.867	-0.127	5.086	4.839	6.083	-0.226	9.044	-2.413	9.358	0.471	9.121	-0.224	8.968	-1.2	10.143	-0.159	6.353	-0.267	10.688
Radium-226	**1.09**	**1570**	2.248	0.384	2.186	0.425	1.984	0.393	0.846	0.205	0.197	0.1	0.635	0.157	0.881	0.264	0.614	0.17	0.249	0.105	0.651	0.228	0.34	0.108
Radium-228	**1.29**	**12900**	1.864	0.576	1.034	0.365	0.836	0.349	0.91	0.291	0.245	0.188	0.778	0.259	1.303	0.376	0.511	0.203	0.425	0.251	0.858	0.443	0.417	0.242
Thallium-208	-----	-----	1.033	0.255	0.443	0.139	0.467	0.13	0.334	0.096	0.056	0.061	0.297	0.098	0.391	0.132	0.201	0.068	0.068	0.064	0.425	0.133	0.152	0.064
Thorium-228	**10.70**	**1380**	1.84	0.355	1.06	0.199	0.844	0.17	0.804	0.167	0.522	0.119	0.646	0.139	0.798	0.176	0.698	0.155	0.403	0.092	0.652	0.148	0.341	0.083
Thorium-230	**3.93**	**637**	1.3	0.259	1.43	0.251	1.29	0.235	0.522	0.123	0.34	0.086	0.462	0.106	0.93	0.194	0.842	0.174	0.323	0.077	0.49	0.114	0.252	0.071
Thorium-232	**3.44**	**419**	1.87	0.341	1.04	0.188	0.928	0.175	0.762	0.159	0.429	0.099	0.521	0.117	0.887	0.186	0.697	0.147	0.336	0.079	0.574	0.127	0.265	0.07
Thorium-234	-----	-----	0.72	2.107	3.008	1.609	5.582	1.912	0.905	1.007	0.892	0.614	1.329	0.807	1.796	1.082	0.956	0.577	0.786	0.555	1.038	1.672	0.672	0.709
U-233/234 (U-234)	**5.02**	**1590**	1.4	0.223	1.3	0.205	1.32	0.212	0.458	0.098	0.235	0.053	0.339	0.07	0.912	0.153	0.544	0.097	0.261	0.054	0.442	0.071	0.26	0.046
U-235/236 (U-236)	**5.33**	**1730**	0.073	0.03	0.083	0.03	0.053	0.031	0.007	0.017	0.028	0.016	0.007	0.014	0.053	0.025	0.03	0.016	0.014	0.012	0.024	0.011	0.021	0.01
U-235	**48.70**	**1800**	0.376	0.201	0.368	0.145	0.278	0.123	0.071	0.071	0.073	0.048	0.107	0.091	0.153	0.104	0.07	0.058	0.048	0.054	0.09	0.078	0.098	0.074
U-238	**3.78**	**1943**	1.44	0.228	1.18	0.188	1.35	0.216	0.51	0.105	0.251	0.056	0.345	0.07	0.906	0.151	0.515	0.091	0.319	0.062	0.471	0.075	0.235	0.042

Notes

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Results provided in picocuries per gram (pCi/g)

Values highlighted exceed USEPA Decay Corrected SSLs for Radionuclides

SSL = Soil Screening Levels

USEPA = United States Environmental Protection Agency

Sample results compared to USEPA Soil Screening Guidance for Radionuclides: Techn

Table 9 - Radiological Soil Sample Results (Decay Corrected) (Road
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID	Direct Ingestion of Soil	Inhalation of Fugitive Dusts	SSBR-18 (10-15)		SSBR-19 (1-5)		SSBR-19 (5-10)		SSBR-19 (10-15)		SSBR-20 (1-5)		SSBR-20 (5-10)		SSBR-20 (10-15)		SSBR-21 (1-5)		SSBR-21 (5-10)		SSBR-21 (10-15)	
Sample Date			10/6/2014		10/6/2014		10/6/2014		10/6/2014		10/6/2014		10/6/2014		10/6/2014		10/6/2014		10/6/2014		10/6/2014	
Matrix			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Radiochemistry by USEPA Method 901.1 (pCi/g)			Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-
Actinium-228	-----	-----	0.463	0.161	0.4	0.244	0.119	0.151	0.114	0.213	0.604	0.262	0.529	0.313	1.47	0.451	0.9	0.275	0.223	0.186	0.217	0.17
Bismuth-212	-----	-----	0.467	0.881	-0.033	6.349	0.228	0.684	-0.041	1.648	1.779	0.831	0.665	1.618	0.47	0.94	0.502	0.972	0.25	0.795	0.044	0.577
Bismuth-214	-----	-----	0.592	0.172	0.667	0.19	0.095	0.116	0.092	0.102	0.746	0.208	1.116	0.321	0.64	0.198	0.561	0.202	0.282	0.146	0.255	0.109
Lead-210	**0.45900**	**2010**	0.627	1.205	1.311	1.298	-0.136	5.423	0.334	0.859	-0.142	5.683	1.326	2.03	-0.128	13.817	-0.049	2.665	-0.1	6.926	-0.405	2.021
Lead-212	-----	-----	0.64	0.163	0.641	0.177	0.208	0.088	0.134	0.08	0.84	0.205	1.102	0.283	0.589	0.177	0.708	0.187	0.386	0.124	0.208	0.098
Lead-214	-----	-----	0.619	0.168	0.642	0.169	0.078	0.088	0.088	0.089	0.607	0.203	1.107	0.292	0.594	0.185	0.724	0.211	0.482	0.145	0.286	0.121
Potassium-40	**12.80**	**1760000**	7.548	1.853	8.795	2.097	2.764	1.161	0.856	0.88	13.62	2.869	17.17	4.021	7.061	1.945	12.14	2.71	7.244	1.975	-0.261	10.449
Protactinium-231	**2.12**	**399**	0.008	1.61	-0.003	0.126	0.192	1.803	-0.032	1.584	-0.014	2.371	0.004	3.009	-0.004	0.148	-0.234	2.276	0.081	1.844	0.03	1.458
Protactinium-234M	-----	-----	-0.264	113.9	3.059	6.405	-0.264	10.576	-0.25	9.98	-0.277	11.082	-2.781	18.187	-0.304	12.158	0.648	7.964	-0.271	10.834	-0.242	9.695
Radium-226	**1.09**	**1570**	0.615	0.133	0.65	0.149	0.088	0.071	0.109	0.072	0.693	0.194	1.087	0.244	0.619	0.192	0.635	0.158	0.364	0.109	0.269	0.085
Radium-228	**1.29**	**12900**	0.463	0.161	0.4	0.244	0.119	0.151	0.114	0.213	0.604	0.262	0.529	0.313	1.47	0.451	0.9	0.275	0.223	0.186	0.217	0.17
Thallium-208	-----	-----	0.127	0.055	0.317	0.094	0.026	0.051	-0.013	0.5	0.257	0.097	0.502	0.154	0.16	0.091	0.116	0.088	0.12	0.057	0.032	0.05
Thorium-228	**10.70**	**1380**	0.457	0.106	0.685	0.143	0.182	0.059	0.143	0.05	0.541	0.146	0.887	0.189	0.586	0.129	0.537	0.125	0.297	0.075	0.204	0.063
Thorium-230	**3.93**	**637**	0.383	0.091	0.481	0.109	0.137	0.049	0.128	0.045	0.5	0.113	0.683	0.151	0.385	0.097	0.395	0.098	0.327	0.071	0.146	0.049
Thorium-232	**3.44**	**419**	0.479	0.108	0.59	0.125	0.159	0.051	0.106	0.039	0.544	0.116	0.806	0.167	0.49	0.112	0.493	0.113	0.335	0.071	0.194	0.058
Thorium-234	-----	-----	0.551	0.671	0.28	0.314	0.407	0.465	0.104	0.155	0.637	0.924	1.173	0.773	0.59	0.354	1.271	0.914	0.178	0.259	0.398	0.437
U-233/234 (U-234)	**5.02**	**1590**	0.437	0.07	0.385	0.069	0.131	0.03	0.107	0.024	0.468	0.083	0.684	0.113	0.422	0.069	0.404	0.07	0.36	0.089	0.151	0.04
U-235/236 (U-236)	**5.33**	**1730**	0.033	0.013	0.024	0.013	0.007	0.008	0.003	0.006	0.034	0.017	0.05	0.018	0.027	0.011	0.028	0.013	0.01	0.02	0.006	0.01
U-235	**48.70**	**1800**	0.107	0.057	0.071	0.061	0.024	0.048	0.021	0.042	0.067	0.065	0.221	0.123	0.141	0.065	0.09	0.079	0.064	0.066	0.072	0.061
U-238	**3.78**	**1943**	0.422	0.068	0.442	0.074	0.129	0.026	0.084	0.02	0.516	0.087	0.75	0.119	0.353	0.059	0.403	0.067	0.434	0.097	0.141	0.037

Notes

Radiological samples were analyzed by Pace Analytical Service, Inc. of Greensburg, PA

Results provided in picocuries per gram (pCi/g)

Values highlighted exceed USEPA Decay Corrected SSLs for Radionuclides

SSL = Soil Screening Levels

USEPA = United States Environmental Protection Agency

Sample results compared to USEPA Soil Screening Guidance for Radionuclides: Techn

Table 10 - Volatile Organic Compounds (VOCs) Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SBFT-1 (0-5) 11/17/2014 Soil	SBFT-1 (5-10) 11/17/2014 Soil	SBFT-1 (10-15) 11/17/2014 Soil	SBFT-2 (0-5) 11/17/2014 Soil	SBFT-2 (5-10) 11/17/2014 Soil	SBFT-2 (10-15) 11/17/2014 Soil	SBFT-3 (0-5) 11/17/2014 Soil	SBFT-3 (5-10) 11/17/2014 Soil	SBFT-4 (0-5) 11/17/2014 Soil	SBFT-5 (0-5) 11/17/2014 Soil	SBFT-5 (5-10) 11/17/2014 Soil
Total VOCs By USEPA Method 8260C (µg/Kg)																	
1,1,1-Trichloroethane	680	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	19,000	26,000	240,000	480,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	100,000	500,000	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-Trimethylbenzene	3,600	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	2,300	3,100	30,000	60,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3, 5-Trimethylbenzene	8,400	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	17,000	49,000	280,000	560,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	9,800	13,000	130,000	250,000	150,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	100	9,800	13,000	130,000	250,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	120	100,000	100,000	500,000	1,000,000		10	ND	ND	ND	10	15 J	ND	ND	ND	62	5 J
4-Isopropyltoluene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	100,000	100,000	500,000	1,000,000		71 BZ	15 BZ	4 BJZ	ND	45 BZ	85 BZ	ND	18 BZ	ND	30 D	26 BZ
Benzene	60	2,900	4,800	44,000	89,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	760	1,400	2,400	22,000	44,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	100,000	100,000	500,000	1,000,000	2,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	10,000	49,000	350,000	700,000	120,000	ND	1 BJ	2 BJ	1 BJ	0.9 BJ	2 BJ	1 BJ	2 BJ	1 BJ	1 BJ	1 BJ
cis-1,2-Dichloroethene	250	59,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	30,000	41,000	390,000	780,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-t-butyl ether	930	62,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	5 J	ND	ND	ND	ND	ND
Methylene chloride	50	51000	100000	500,000	1,000,000		1 BJ	1 BJ	2 BJ	2 BJ	1 BJ	2 BJ	1 J	2 BJ	1 J	2 BJ	ND
n-Butylbenzene	12,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,300	5,500	19,000	150,000	300,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	10,000	21,000	200,000	400,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	20	210	900	13,000	27000	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	260	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 10 - Volatile Organic Compounds (VOCs) Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SBFT-5 (10-15) 11/17/2014 Soil	SBFT-5 (15-20) 11/17/2014 Soil	SBFT-6 (0-5) 11/18/2014 Soil	SBFT-6 (5-10) 11/18/2014 Soil	SBFT-6 (10-15) 11/18/2014 Soil	SBFT-7 (0-5) 11/18/2014 Soil	SBFT-7 (5-10) 11/18/2014 Soil	SBFT-8 (0-5) 11/18/2014 Soil	SBFT-8 (5-10) 11/18/2014 Soil	SBFT-9 (0-5) 11/18/2014 Soil	SBFT-9 (5-10) 11/18/2014 Soil
Total VOCs By USEPA Method 8260C (µg/Kg)																	
1,1,1-Trichloroethane	680	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	19,000	26,000	240,000	480,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	100,000	500,000	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-Trimethylbenzene	3,600	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	4 J	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	2,300	3,100	30,000	60,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3, 5-Trimethylbenzene	8,400	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	17,000	49,000	280,000	560,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	9,800	13,000	130,000	250,000	150,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	100	9,800	13,000	130,000	250,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	120	100,000	100,000	500,000	1,000,000		6 JZ	ND	ND	ND	ND	ND	ND	ND	ND	ND	6 J
4-Isopropyltoluene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	100,000	100,000	500,000	1,000,000		49	14	5 BJ	7 BJ	5 BJZ	3 J	2 J	ND	2 J	4 J	30
Benzene	60	2,900	4,800	44,000	89,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	760	1,400	2,400	22,000	44,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	100,000	100,000	500,000	1,000,000	2,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	10,000	49,000	350,000	700,000	120,000	1 BJ	1 BJ	0.8 BJ	1 BJ	1 BJ	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	59,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	30,000	41,000	390,000	780,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-t-butyl ether	930	62,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	50	51000	100000	500,000	1,000,000		1 J	1 BJ	0.9 BJ	1 BJ	1 BJ	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,300	5,500	19,000	150,000	300,000	14,000	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	700	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	10,000	21,000	200,000	400,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	20	210	900	13,000	27000	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	260	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

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P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

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Table 10 - Volatile Organic Compounds (VOCs) Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SBFT-10 (0-5) 11/18/2014 Soil	SBFT-10 (5-10) 11/18/2014 Soil	SBFT-11 (0-5) 11/18/2014 Soil	SBFT-11 (5-10) 11/18/2014 Soil	SBFT-11 (10-15) 11/18/2014 Soil	SBFT-11 (15-20) 11/18/2014 Soil	SBFT-11 (20-25) 11/18/2014 Soil	SBFT-12 (0-5) 11/18/2014 Soil	SBFT-13 (0-5) 11/18/2014 Soil	SBFT-14 (0-5) 11/19/2014 Soil	SBFT-14 (5-10) 11/19/2014 Soil
Total VOCs By USEPA Method 8260C (µg/Kg)																	
1,1,1-Trichloroethane	680	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	19,000	26,000	240,000	480,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	100,000	500,000	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-Trimethylbenzene	3,600	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	2,300	3,100	30,000	60,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3, 5-Trimethylbenzene	8,400	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	17,000	49,000	280,000	560,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	9,800	13,000	130,000	250,000	150,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	100	9,800	13,000	130,000	250,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	120	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	4 J	ND	ND	3 J	11
Benzene	60	2,900	4,800	44,000	89,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	760	1,400	2,400	22,000	44,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	100,000	100,000	500,000	1,000,000	2,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	10,000	49,000	350,000	700,000	120,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	59,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	30,000	41,000	390,000	780,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-t-butyl ether	930	62,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	50	51000	100000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,300	5,500	19,000	150,000	300,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND
Toluene	700	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	10,000	21,000	200,000	400,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	20	210	900	13,000	27000	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	260	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 10 - Volatile Organic Compounds (VOCs) Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SBFT-14 (10-15) 11/19/2014 Soil	SBFT-15 (0-5) 11/19/2014 Soil	SBFT-15 (5-10) 11/19/2014 Soil	SBFT-15 (10-15) 11/19/2014 Soil	SBFT-16 (0-5) 11/19/2014 Soil	SBFT-16 (5-10) 11/19/2014 Soil	SBFT-16 (10-15) 11/19/2014 Soil	SBFT-17 (0-5) 11/19/2014 Soil	SBFT-18 (0-5) 11/19/2014 Soil	SBFT-19 (0-5) 11/19/2014 Soil	SBFT-19 (5-10) 11/19/2014 Soil	SBOF-2 (0-5) 11/19/2014 Soil
Total VOCs By USEPA Method 8260C (µg/Kg)																		
1,1,1-Trichloroethane	680	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	19,000	26,000	240,000	480,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	100,000	500,000	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4-Trimethylbenzene	3,600	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	2,300	3,100	30,000	60,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3, 5-Trimethylbenzene	8,400	47,000	52,000	190,000	380,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	17,000	49,000	280,000	560,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	9,800	13,000	130,000	250,000	150,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	100	9,800	13,000	130,000	250,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	120	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	3 J	ND	ND	ND	ND	2 JZ	ND	ND
4-Isopropyltoluene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	100,000	100,000	500,000	1,000,000		10	5 J	5 J	3 J	15	3 J	1 J	64	10	13	ND	11 J
Benzene	60	2,900	4,800	44,000	89,000	10,000	ND	ND	ND	ND	ND	ND U	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	760	1,400	2,400	22,000	44,000	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	100,000	100,000	500,000	1,000,000	2,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	10,000	49,000	350,000	700,000	120,000	ND	ND	ND	ND	ND	ND	ND	0.9 BJ	1 BJ	ND	2 BJ	ND
cis-1,2-Dichloroethene	250	59,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	37	6 J	ND	ND	ND
Ethylbenzene	1,000	30,000	41,000	390,000	780,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	--	--	--		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-t-butyl ether	930	62,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	50	51000	100000	500,000	1,000,000		1 JZ	ND	ND	1 JZ	1 JZ	ND	ND	ND	1 JZ	ND	ND	ND
n-Butylbenzene	12,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,300	5,500	19,000	150,000	300,000	14,000	6 J	ND	ND	ND	ND	ND	ND	1 J	9	ND	ND	ND
Toluene	700	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	2 J	1 J	ND	ND	ND
Trichloroethene	470	10,000	21,000	200,000	400,000	10,000	ND	ND	ND	ND	ND	ND	ND	2 J	3 J	ND	ND	ND
Vinyl chloride	20	210	900	13,000	27000	4,000	ND	ND	ND	ND	ND	ND	ND	5 JZ	ND	ND	ND	ND
Xylenes (Total)	260	100,000	100,000	500,000	1,000,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 11 - Semi-Volatile Organic Compounds (SVOCs) Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-1 (0-5) 11/17/2014 Soil	SBFT-1 (5-10) 11/17/2014 Soil	SBFT-1 (10-15) 11/17/2014 Soil	SBFT-2 (0-5) 11/17/2014 Soil	SBFT-2 (5-10) 11/17/2014 Soil	SBFT-2 (10-15) 11/17/2014 Soil	SBFT-3 (0-5) 11/17/2014 Soil	SBFT-3 (5-10) 11/17/2014 Soil	SBFT-4 (0-5) 11/17/2014 Soil	SBFT-5 (0-5) 11/17/2014 Soil	SBFT-5 (5-10) 11/17/2014 Soil
Total SVOCs By USEPA Method 8270D (µg/Kg)																
2-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	--	--	--	--	--	ND	ND	740	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	1,000	5,600	11,000	210 J	160 J	ND	74 J	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1,000	1,000	1,000	1,000	1,100	210 J	140 J	ND	78 J	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	1,000	5,600	11,000	250 J	160 J	ND	76 J	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	100,000	100,000	100,000	500,000	1,000,000	99 J	ND	ND	82 J	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	800	1,000	3,900	56,000	110,000	120 J	88 J	ND	ND	ND	ND	ND	ND	ND	ND	120 J
Chrysene	1,000	1,000	3,900	56,000	110,000	230 J	160 J	ND	74 J	ND	ND	ND	ND	ND	ND	ND
Dibenzo[a,h]anthracene	330	330	330	560	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	100,000	100,000	500,000	1,000,000	390	260 J	ND	100 J	94 J	88 J	ND	ND	ND	ND	ND
Fluorene	30,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	500	500	500	5,600	11,000	85 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	120 J
Naphthalene	12,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	2400	6700	6,700	55,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	100,000	100,000	500,000	1,000,000	230 J	130 J	ND	95 J	85 J	140 J	ND	ND	ND	100 J	ND
Phenol	330	100,000	100,000	500,000	1,000,000	ND	ND	290 J	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	100,000	100,000	500,000	1,000,000	410	290 J	ND	240 J	200 J	170 J	ND	ND	ND	170 J	140 J

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 11 - Semi-Volatile Organic Compounds (SVOCs) Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-5 (10-15) 11/17/2014 Soil	SBFT-5 (15-20) 11/17/2014 Soil	SBFT-6 (0-5) 11/18/2014 Soil	SBFT-6 (5-10) 11/18/2014 Soil	SBFT-6 (10-15) 11/18/2014 Soil	SBFT-7 (0-5) 11/18/2014 Soil	SBFT-7 (5-10) 11/18/2014 Soil	SBFT-8 (0-5) 11/18/2014 Soil	SBFT-8 (5-10) 11/18/2014 Soil	SBFT-9 (0-5) 11/18/2014 Soil	SBFT-9 (5-10) 11/18/2014 Soil
Total SVOCs By USEPA Method 8270D (µg/Kg)																
2-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	97 J
Benzo[a]anthracene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	ND	ND	170 J	140 J	ND	ND	ND	200 J
Benzo[a]pyrene	1,000	1,000	1,000	1,000	1,100	ND	ND	ND	ND	ND	150 J	160 J	ND	ND	ND	150 J
Benzo[b]fluoranthene	1,000	1,000	1,000	5,600	11,000	ND	ND	81 J	ND	ND	190 J	170 J	ND	ND	ND	170 J
Benzo[g,h,i]perylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	100 J	83 J	ND	ND	ND	ND
Benzo[k]fluoranthene	800	1,000	3,900	56,000	110,000	ND	ND	ND	ND	ND	120 J	ND	ND	ND	ND	ND
Chrysene	1,000	1,000	3,900	56,000	110,000	ND	ND	96 J	ND	ND	240 J	180 J	ND	ND	ND	190 J
Dibenzo[a,h]anthracene	330	330	330	560	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	140 J	ND	ND	330 J	200 J	ND	ND	ND	490
Fluorene	30,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	500	500	500	5,600	11,000	ND	ND	ND	ND	ND	95 J	ND J	ND	ND	ND	ND
Naphthalene	12,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	2400	6700	6,700	55,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	120 J	ND	ND	340 J	130 J	ND	ND	ND	430
Phenol	330	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	240 J	ND	ND	580	450	ND	ND	ND	410

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

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-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 11 - Semi-Volatile Organic Compounds (SVOCs) Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-10 (0-5) 11/18/2014 Soil	SBFT-10 (5-10) 11/18/2014 Soil	SBFT-11 (0-5) 11/18/2014 Soil	SBFT-11 (5-10) 11/18/2014 Soil	SBFT-11 (10-15) 11/18/2014 Soil	SBFT-11 (15-20) 11/18/2014 Soil	SBFT-11 (20-25) 11/18/2014 Soil	SBFT-12 (0-5) 11/18/2014 Soil	SBFT-13 (0-5) 11/18/2014 Soil	SBFT-14 (0-5) 11/19/2014 Soil	SBFT-14 (5-10) 11/19/2014 Soil
Total SVOCs By USEPA Method 8270D (µg/Kg)																
2-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	93 J	140 J	ND	ND
Benzo[a]pyrene	1,000	1,000	1,000	1,000	1,100	ND	ND	ND	ND	ND	ND	ND	87 J	160 J	ND	ND
Benzo[b]fluoranthene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	150 J	240 J	ND	ND
Benzo[g,h,i]perylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	110 J	ND	ND
Benzo[k]fluoranthene	800	1,000	3,900	56,000	110,000	ND	ND	ND	ND	ND	ND	ND	ND	88 J	ND	ND
Chrysene	1,000	1,000	3,900	56,000	110,000	ND	ND	ND	ND	ND	ND	ND	95 J	160 J	ND	ND
Dibenzo[a,h]anthracene	330	330	330	560	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	140 J	240 J	ND	ND
Fluorene	30,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	500	500	500	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	ND	79 J	ND	ND
Naphthalene	12,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	2400	6700	6,700	55,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	150 J	ND	ND
Phenol	330	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	130 J	350 J	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

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D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

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Table 11 - Semi-Volatile Organic Compounds (SVOCs) Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-14 (10-15) 11/19/2014 Soil	SBFT-15 (0-5) 11/19/2014 Soil	SBFT-15 (5-10) 11/19/2014 Soil	SBFT-15 (10-15) 11/19/2014 Soil	SBFT-16 (0-5) 11/19/2014 Soil	SBFT-16 (5-10) 11/19/2014 Soil	SBFT-16 (10-15) 11/19/2014 Soil	SBFT-17 (0-5) 11/19/2014 Soil	SBFT-18 (0-5) 11/19/2014 Soil	SBFT-19 (0-5) 11/19/2014 Soil	SBFT-19 (5-10) 11/19/2014 Soil
Total SVOCs By USEPA Method 8270D (µg/Kg)																
2-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	ND	86 J	ND	ND
Benzo[a]pyrene	1,000	1,000	1,000	1,000	1,100	ND	ND	ND	ND	ND	ND	ND	ND	110 J	ND	90 J
Benzo[b]fluoranthene	1,000	1,000	1,000	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	ND	120 J	98 J	140 J
Benzo[g,h,i]perylene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	800	1,000	3,900	56,000	110,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	1,000	3,900	56,000	110,000	ND	ND	ND	ND	ND	ND	ND	ND	91 J	ND	110 J
Dibenzo[a,h]anthracene	330	330	330	560	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	160 J	110 J	140 J
Fluorene	30,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	500	500	500	5,600	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	2400	6700	6,700	55,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	93 J	ND	ND
Phenol	330	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	150 J	110 J	140 J

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 11 - Semi-Volatile Organic Compounds (SVOCs) Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBOF-2 (0-5) 11/19/2014 Soil	
Total SVOCs By USEPA Method 8270D (µg/Kg)							
2-Methylphenol	--	--	--	--	--	ND	
4-Methylphenol	--	--	--	--	--	ND	
Acenaphthene	20,000	100,000	100,000	500,000	1,000,000	ND	
Acenaphthylene	100,000	100,000	100,000	500,000	1,000,000	ND	
Anthracene	100,000	100,000	100,000	500,000	1,000,000	ND	
Benzo[a]anthracene	1,000	1,000	1,000	5,600	11,000	130	J
Benzo[a]pyrene	1,000	1,000	1,000	1,000	1,100	160	J
Benzo[b]fluoranthene	1,000	1,000	1,000	5,600	11,000	200	J
Benzo[g,h,i]perylene	100,000	100,000	100,000	500,000	1,000,000	79	J
Benzo[k]fluoranthene	800	1,000	3,900	56,000	110,000	ND	
Chrysene	1,000	1,000	3,900	56,000	110,000	140	J
Dibenzo[a,h]anthracene	330	330	330	560	1,100	ND	
Dibenzofuran	--	--	--	--	--	ND	
Fluoranthene	100,000	100,000	100,000	500,000	1,000,000	240	J
Fluorene	30,000	100,000	100,000	500,000	1,000,000	ND	
Hexachlorobenzene	--	--	--	--	--	ND	
Indeno[1,2,3-cd]pyrene	500	500	500	5,600	11,000	ND	
Naphthalene	12,000	100,000	100,000	500,000	1,000,000	ND	
Pentachlorophenol	800	2400	6700	6,700	55,000	ND	
Phenanthrene	100,000	100,000	100,000	500,000	1,000,000	160	J
Phenol	330	100,000	100,000	500,000	1,000,000	ND	
Pyrene	100,000	100,000	100,000	500,000	1,000,000	230	J

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 12 -Pesticides Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-1 (0-5) 11/17/2014 Soil	SBFT-1 (5-10) 11/17/2014 Soil	SBFT-1 (10-15) 11/17/2014 Soil	SBFT-2 (0-5) 11/17/2014 Soil	SBFT-2 (5-10) 11/17/2014 Soil	SBFT-2 (10-15) 11/17/2014 Soil	SBFT-3 (0-5) 11/17/2014 Soil	SBFT-3 (5-10) 11/17/2014 Soil	SBFT-4 (0-5) 11/17/2014 Soil	SBFT-5 (0-5) 11/17/2014 Soil	SBFT-5 (5-10) 11/17/2014 Soil	SBFT-5 (10-15) 11/17/2014 Soil
Pesticides by USEPA Method 8081B (µg/Kg)																	
Aldrin	5	19	97	680	1,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	20	97	480	3,400	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	36	72	360	3,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	94	910	4,200	24,000	47,000	6.2	4.4 P	ND	ND	ND	ND	ND	ND	ND	14	4	ND
delta-BHC	40	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	5	39	200	1,400	2,800	2.5 J	ND	ND	ND	ND	ND	ND	ND	ND	5.7 P	ND	ND
Endosulfan I	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7 PJ	ND	ND
Endosulfan Sulfate	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	14	2,220	11,000	89,000	410,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	420	2,100	15,000	29,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2 PJ	ND	ND
p,p'-DDD	3.3	2,600	13,000	92,000	180,000	16	4.7 P	ND	ND	2.9 J	ND	ND	ND	ND	60 D	22	ND
p,p'-DDE	3.3	1,800	8,900	62,000	120,000	2.5 PJ	1.9 J	ND	2.1 PJ	3 PJ	ND	ND	ND	ND	23 P	2.4 PJ	ND
p,p'-DDT	3.3	1,700	7,900	47,000	94,000	8.2	1.8 PJ	ND	ND	2.8 PJ	ND	ND	ND	ND	3.3 PJ	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 12 -Pesticides Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-5 (15-20) 11/17/2014 Soil	SBFT-6 (0-5) 11/18/2014 Soil	SBFT-6 (5-10) 11/18/2014 Soil	SBFT-6 (10-15) 11/18/2014 Soil	SBFT-7 (0-5) 11/18/2014 Soil	SBFT-7 (5-10) 11/18/2014 Soil	SBFT-8 (0-5) 11/18/2014 Soil	SBFT-8 (5-10) 11/18/2014 Soil	SBFT-9 (0-5) 11/18/2014 Soil	SBFT-9 (5-10) 11/18/2014 Soil	SBFT-10 (0-5) 11/18/2014 Soil
Pesticides by USEPA Method 8081B (µg/Kg)																
Aldrin	5	19	97	680	1,400	ND	ND	ND	ND	ND	ND	ND	ND	ND U	ND	ND
Alpha-BHC	20	97	480	3,400	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND U	ND	ND
beta-BHC	36	72	360	3,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND U	ND	ND
Chlordane	94	910	4,200	24,000	47,000	ND	ND	ND	ND	ND	5.4	ND	ND	1.6 PJ	ND	ND
delta-BHC	40	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND U	ND	ND
Dieldrin	5	39	200	1,400	2,800	ND	ND	ND	ND	ND	ND	ND	ND	ND U	ND	ND
Endosulfan I	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND U	ND	ND
Endosulfan II	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND U	ND	ND
Endosulfan Sulfate	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND U	ND	ND
Endrin	14	2,220	11,000	89,000	410,000	ND	ND	ND	ND	ND	ND	ND	ND	ND U	ND	ND
gamma-BHC	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND U	ND	ND
Heptachlor	42	420	2,100	15,000	29,000	ND	ND	ND	ND	ND	ND	ND	ND	ND U	ND	ND
p,p'-DDD	3.3	2,600	13,000	92,000	180,000	ND	ND	ND	ND	ND	4.7 P	ND	ND	ND U	ND	ND
p,p'-DDE	3.3	1,800	8,900	62,000	120,000	ND	ND	ND	ND	ND	ND	6.4	ND	ND U	ND	ND
p,p'-DDT	3.3	1,700	7,900	47,000	94,000	ND	ND	ND	ND	ND	2.2 J	3.3 J	ND	ND U	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 12 -Pesticides Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-10 (5-10) 11/18/2014 Soil	SBFT-11 (0-5) 11/18/2014 Soil	SBFT-11 (5-10) 11/18/2014 Soil	SBFT-11 (10-15) 11/18/2014 Soil	SBFT-11 (15-20) 11/18/2014 Soil	SBFT-11 (20-25) 11/18/2014 Soil	SBFT-12 (0-5) 11/18/2014 Soil	SBFT-13 (0-5) 11/18/2014 Soil	SBFT-14 (0-5) 11/19/2014 Soil	SBFT-14 (5-10) 11/19/2014 Soil
Pesticides by USEPA Method 8081B (µg/Kg)															
Aldrin	5	19	97	680	1,400	ND	ND U	ND	ND	ND	ND	ND U	ND U	ND	ND
Alpha-BHC	20	97	480	3,400	6,800	ND	ND U	ND	ND	ND	ND	ND U	ND U	ND	ND
beta-BHC	36	72	360	3,000	14,000	ND	ND U	ND	ND	ND	ND	ND U	ND U	ND	ND
Chlordane	94	910	4,200	24,000	47,000	ND	1.7 PJ	ND	ND	ND	ND	5.4 P	2.7 P	ND	ND
delta-BHC	40	100,000	100,000	500,000	1,000,000	ND	ND U	ND	ND	ND	ND	ND U	ND U	ND	ND
Dieldrin	5	39	200	1,400	2,800	ND	ND U	ND	ND	ND	ND	4.8	ND U	ND	ND
Endosulfan I	2,400	4,800	24,000	200,000	920,000	ND	ND U	ND	ND	ND	ND	ND U	ND U	ND	ND
Endosulfan II	2,400	4,800	24,000	200,000	920,000	ND	ND U	ND	ND	ND	ND	ND U	ND U	ND	ND
Endosulfan Sulfate	2,400	4,800	24,000	200,000	920,000	ND	ND U	ND	ND	ND	ND	ND U	ND U	ND	ND
Endrin	14	2,220	11,000	89,000	410,000	ND	ND U	ND	ND	ND	ND	ND U	ND U	ND	ND
gamma-BHC	--	--	--	--	--	ND	ND U	ND	ND	ND	ND	ND U	ND U	ND	ND
Heptachlor	42	420	2,100	15,000	29,000	ND	ND U	ND	ND	ND	ND	ND U	ND U	ND	ND
p,p'-DDD	3.3	2,600	13,000	92,000	180,000	ND	ND U	ND	ND	ND	ND	18 P	ND U	ND	ND
p,p'-DDE	3.3	1,800	8,900	62,000	120,000	ND	ND U	ND	ND	ND	ND	58	ND U	ND	ND
p,p'-DDT	3.3	1,700	7,900	47,000	94,000	ND	ND U	ND	ND	ND	ND	41 P	ND U	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 12 -Pesticides Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-14 (10-15) 11/19/2014 Soil	SBFT-15 (0-5) 11/19/2014 Soil	SBFT-15 (5-10) 11/19/2014 Soil	SBFT-15 (10-15) 11/19/2014 Soil	SBFT-16 (0-5) 11/19/2014 Soil	SBFT-16 (5-10) 11/19/2014 Soil	SBFT-16 (10-15) 11/19/2014 Soil	SBFT-17 (0-5) 11/19/2014 Soil	SBFT-18 (0-5) 11/19/2014 Soil	SBFT-19 (0-5) 11/19/2014 Soil	
Pesticides by USEPA Method 8081B (µg/Kg)																
Aldrin	5	19	97	680	1,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Alpha-BHC	20	97	480	3,400	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
beta-BHC	36	72	360	3,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chlordane	94	910	4,200	24,000	47,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	8	P
delta-BHC	40	100,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dieldrin	5	39	200	1,400	2,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	
Endosulfan I	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	P
Endosulfan II	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7	PJ
Endosulfan Sulfate	2,400	4,800	24,000	200,000	920,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Endrin	14	2,220	11,000	89,000	410,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.8	P
gamma-BHC	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	P
Heptachlor	42	420	2,100	15,000	29,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	P
p,p'-DDD	3.3	2,600	13,000	92,000	180,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
p,p'-DDE	3.3	1,800	8,900	62,000	120,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	17	P
p,p'-DDT	3.3	1,700	7,900	47,000	94,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 13 -Herbicides Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-1 (0-5) 11/17/2014 Soil	SBFT-1 (5-10) 11/17/2014 Soil	SBFT-1 (10-15) 11/17/2014 Soil	SBFT-2 (0-5) 11/17/2014 Soil	SBFT-2 (5-10) 11/17/2014 Soil	SBFT-2 (10-15) 11/17/2014 Soil	SBFT-3 (0-5) 11/17/2014 Soil	SBFT-3 (5-10) 11/17/2014 Soil	SBFT-4 (0-5) 11/17/2014 Soil	SBFT-5 (0-5) 11/17/2014 Soil	SBFT-5 (5-10) 11/17/2014 Soil	SBFT-5 (10-15) 11/17/2014 Soil	SBFT-5 (15-20) 11/17/2014 Soil
Herbicides by USEPA Method 8081 (µg/Kg)																		
2, 4, 5-TP (Silvex)	3,800	58,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-6 (0-5) 11/18/2014 Soil	SBFT-6 (5-10) 11/18/2014 Soil	SBFT-6 (10-15) 11/18/2014 Soil	SBFT-7 (0-5) 11/18/2014 Soil	SBFT-7 (5-10) 11/18/2014 Soil	SBFT-8 (0-5) 11/18/2014 Soil	SBFT-8 (5-10) 11/18/2014 Soil	SBFT-9 (0-5) 11/18/2014 Soil	SBFT-9 (5-10) 11/18/2014 Soil	SBFT-10 (0-5) 11/18/2014 Soil	SBFT-10 (5-10) 11/18/2014 Soil	SBFT-11 (0-5) 11/18/2014 Soil	SBFT-11 (5-10) 11/18/2014 Soil
Herbicides by USEPA Method 8081 (µg/Kg)																		
2, 4, 5-TP (Silvex)	3,800	58,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-11 (10-15) 11/18/2014 Soil	SBFT-11 (15-20) 11/18/2014 Soil	SBFT-11 (20-25) 11/18/2014 Soil	SBFT-12 (0-5) 11/18/2014 Soil	SBFT-13 (0-5) 11/18/2014 Soil	SBFT-14 (0-5) 11/19/2014 Soil	SBFT-14 (5-10) 11/19/2014 Soil	SBFT-14 (10-15) 11/19/2014 Soil	SBFT-15 (0-5) 11/19/2014 Soil	SBFT-15 (5-10) 11/19/2014 Soil	SBFT-15 (10-15) 11/19/2014 Soil	SBFT-16 (0-5) 11/19/2014 Soil	SBFT-16 (5-10) 11/19/2014 Soil
Herbicides by USEPA Method 8081 (µg/Kg)																		
2, 4, 5-TP (Silvex)	3,800	58,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-16 (10-15) 11/19/2014 Soil	SBFT-17 (0-5) 11/19/2014 Soil	SBFT-18 (0-5) 11/19/2014 Soil	SBFT-19 (0-5) 11/19/2014 Soil	SBFT-19 (5-10) 11/19/2014 Soil	SBOF-2 (0-5) 11/19/2014 Soil
Herbicides by USEPA Method 8081 (µg/Kg)											
2, 4, 5-TP (Silvex)	3,800	58,000	100,000	500,000	1,000,000	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 14 -PCBs Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-1 (0-5) 11/17/2014 Soil	SBFT-1 (5-10) 11/17/2014 Soil	SBFT-1 (10-15) 11/17/2014 Soil	SBFT-2 (0-5) 11/17/2014 Soil	SBFT-2 (5-10) 11/17/2014 Soil	SBFT-2 (10-15) 11/17/2014 Soil	SBFT-3 (0-5) 11/17/2014 Soil	SBFT-3 (5-10) 11/17/2014 Soil	SBFT-4 (0-5) 11/17/2014 Soil	SBFT-5 (0-5) 11/17/2014 Soil	SBFT-5 (5-10) 11/17/2014 Soil	SBFT-5 (10-15) 11/17/2014 Soil	SBFT-5 (15-20) 11/17/2014 Soil
PCBs by USEPA Method 8082 (µg/Kg)																		
Arochlor-1016	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1221	100	1.000	1.000	1.000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1232	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1242	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1248	100	1,000	1,000	1,000	25,000	21 J	ND	ND	57	74	ND	ND	ND	ND	140 P	42 PJ	ND	ND
Arochlor-1254	100	1,000	1,000	1,000	25,000	29 J	29 J	ND	50	97	ND	ND	ND	ND	170	64 P	ND	ND
Arochlor-1260	100	1,000	1,000	1,000	25,000	ND	ND	ND	23 J	47	ND	ND	ND	ND	34 J	29 J	ND	ND

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-11 (5-10) 11/18/2014 Soil	SBFT-11 (10-15) 11/18/2014 Soil	SBFT-11 (15-20) 11/18/2014 Soil	SBFT-11 (20-25) 11/18/2014 Soil	SBFT-12 (0-5) 11/18/2014 Soil	SBFT-13 (0-5) 11/18/2014 Soil	SBFT-14 (0-5) 11/19/2014 Soil	SBFT-14 (5-10) 11/19/2014 Soil	SBFT-14 (10-15) 11/19/2014 Soil	SBFT-15 (0-5) 11/19/2014 Soil	SBFT-15 (5-10) 11/19/2014 Soil	SBFT-15 (10-15) 11/19/2014 Soil	SBFT-16 (0-5) 11/19/2014 Soil
PCBs by USEPA Method 8082 (µg/Kg)																		
Arochlor-1016	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND U	ND	ND U	ND	ND	ND	ND	ND	ND
Arochlor-1221	100	1.000	1.000	1.000	25,000	ND	ND	ND	ND	ND U	ND	ND U	ND	ND	ND	ND	ND	ND
Arochlor-1232	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND U	ND	ND U	ND	ND	ND	ND	ND	ND
Arochlor-1242	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND U	ND	ND U	ND	ND	ND	ND	ND	ND
Arochlor-1248	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND U	ND	23 J	ND	ND	ND	ND	ND	ND
Arochlor-1254	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	100 P	ND	ND U	ND	ND	ND	ND	ND	ND
Arochlor-1260	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	54	ND	ND U	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (µg/Kg)

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D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 14 -PCBs Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-6 (0-5) 11/18/2014 Soil	SBFT-6 (5-10) 11/18/2014 Soil	SBFT-6 (10-15) 11/18/2014 Soil	SBFT-7 (0-5) 11/18/2014 Soil	SBFT-7 (5-10) 11/18/2014 Soil	SBFT-8 (0-5) 11/18/2014 Soil	SBFT-8 (5-10) 11/18/2014 Soil	SBFT-9 (0-5) 11/18/2014 Soil	SBFT-9 (5-10) 11/18/2014 Soil	SBFT-10 (0-5) 11/18/2014 Soil	SBFT-10 (5-10) 11/18/2014 Soil	SBFT-11 (0-5) 11/18/2014 Soil
PCBs by USEPA Method 8082 (µg/Kg)																	
Arochlor-1016	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1221	100	1.000	1.000	1.000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1232	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1242	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1248	100	1,000	1,000	1,000	25,000	81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1254	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor-1260	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	SBFT-16 (5-10) 11/19/2014 Soil	SBFT-16 (10-15) 11/19/2014 Soil	SBFT-17 (0-5) 11/19/2014 Soil	SBFT-18 (0-5) 11/19/2014 Soil	SBFT-19 (0-5) 11/19/2014 Soil	SBFT-19 (5-10) 11/19/2014 Soil	SBOF-2 (0-5) 11/19/2014 Soil
PCBs by USEPA Method 8082 (µg/Kg)												
Arochlor-1016	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND
Arochlor-1221	100	1.000	1.000	1.000	25,000	ND	ND	ND	ND	ND	ND	ND
Arochlor-1232	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND
Arochlor-1242	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	ND	ND	ND
Arochlor-1248	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	8,900 D	5,400 D	ND
Arochlor-1254	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	3,300 D	2,600 D	43
Arochlor-1260	100	1,000	1,000	1,000	25,000	ND	ND	ND	ND	220	260	20 J

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

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X = Analyte is suspected column bleed

Table 15 -Metals Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SBFT-1 (0-5) 11/17/2014 Soil	SBFT-1 (5-10) 11/17/2014 Soil	SBFT-1 (10-15) 11/17/2014 Soil	SBFT-2 (0-5) 11/17/2014 Soil	SBFT-2 (5-10) 11/17/2014 Soil	SBFT-2 (10-15) 11/17/2014 Soil	SBFT-3 (0-5) 11/17/2014 Soil	SBFT-3 (5-10) 11/17/2014 Soil	SBFT-4 (0-5) 11/17/2014 Soil	SBFT-5 (0-5) 11/17/2014 Soil	SBFT-5 (5-10) 11/17/2014 Soil	SBFT-5 (10-15) 11/17/2014 Soil	SBFT-5 (15-20) 11/17/2014 Soil
Metals by USEPA Method 6010C/7471B (mg/Kg)																			
Aluminum	--	--	--	--	--	---	6,760	1,500	15,900	8,620	7,700	3,800	3,470	4,490	1,200	4,020	15,600	5,140	6,950
Antimony	--	--	--	--	--	---	0.66 B	1.5 B	0.77 B	0.45 B	320	ND	ND	ND	ND	ND	0.84 B	ND	0.59 B
Arsenic	13	16	16	16	16	100	2.5	7.4	48	3.9	27.9	3	0.92 B	6.5 B	0.8 B	2	2.3	ND	6.6
Barium	350	350	400	400	10,000	20,000	74.7	8.7 B	34.7 B	45.6	99.5	7.4 B	9 B	16.7 B	5.5 B	55.4	63.7	63.2	30.9
Beryllium	7.2	14	72	590	2,700	---	0.18 B	0.041 B	0.57 B	0.16 B	0.2 B	0.15 B	0.11 B	0.3 B	0.051 B	0.13 B	0.37 B	0.3 B	0.7
Cadmium	2.5	2.5	4.3	9.3	60	2,000	0.24 B	0.041 B	0.18 B	0.2 B	1.3	ND	ND	0.035 B	ND	0.34 B	0.35 B	ND	0.12 B
Calcium	--	--	--	--	--	---	6,380	8,600	1,580	5,270	3,760	410 B	448 B	510	92 B	7,420	2,250	400 B	294 B
Chromium	1	22	110	400	800	100	20.9	7.2	33.3	19.6	26.9	13	11.4	34.9	3.4	12.4	239	31	59.2
Cobalt	--	--	--	--	--	---	5.8	1.1 B	9.7	7.5	15.1	2.3 B	1.6 B	2.4 B	0.98 B	3.6 B	11.6	4.3	4.5 B
Copper	50	270	270	270	10,000	---	28.9	6.8	15.9	15.1	101	5.6	9	61.2	5.1	41.3	38.2	36.4	50.3
Iron	--	--	--	--	--	---	14,100	3,830	26,900	14,000	23,300	10,800	7,910	15,600	3,310	8,900	34,200	22,900	51,500
Lead	63	400	400	1,000	3,900	100	86.8	4.2	11.7	17.9	217	3.2	4.2	16.5	6.2	108	86.2	13.6	10.9
Magnesium	--	--	--	--	--	---	2,620	1,200	5,140	3,400	2,040	888	278 B	311 B	290 B	3,350	1,400	299 B	231 B
Manganese	1,600	2,000	2,000	10,000	10,000	---	253.0	98.9	247	271	447	86.8	31.5	18.2	21.9	140	463	4	22.9
Mercury	0.18	0.81	0.81	2.8	5.7	40	0.12	ND	ND	0.31	0.33	ND	ND	ND	ND	0.2	0.062	ND	ND
Nickel	30	140	310	310	10,000	---	14.3	2.4 B	18.5	11.8	20.2	4.4 B	2.9 B	3.3 B	2 B	8.1	26	3.4 B	3.5 B
Potassium	--	--	--	--	--	---	735	289 B	3390	1120	997	561 B	409 B	518 B	240 B	544 B	874	1010	1130
Selenium	3.9	36	180	1,500	6,800	20	ND	0.28 B	ND	ND	1.6	ND	0.26	ND	ND	ND	ND	ND	ND
Silver	2	36	180	1,500	6,800	100	0.96 B	0.45 B	1.4 B	1.4	4.4	0.67 B	0.47 B	0.85 B	0.28 B	0.78 B	2.9	1.3	2.7
Sodium	--	--	--	--	--	---	187 B	50 B	2,720	82.9 B	324 B	988	ND	28.7 B	ND	38.2 B	155 B	1,100	908
Thallium	--	--	--	--	--	---	3	3.9	22.1	6.3	76.1	11	2	3.1	1.2	3.3	9.2	5.6	11
Vanadium	--	--	--	--	--	---	21	5.1 B	35.7	22.1	22.8	13.6	15.8	96.3	3.4 B	14.7	55.2	75.2	150
Zinc	109	2,200	10,000	10,000	10,000	---	87.8	12.5	51.4	107	229	12	9.2	21.1	9.7	85.8	75.5	6.9	25.9

Notes:

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Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 15 -Metals Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SBFT-6 (0-5) 11/18/2014 Soil	SBFT-6 (5-10) 11/18/2014 Soil	SBFT-6 (10-15) 11/18/2014 Soil	SBFT-7 (0-5) 11/18/2014 Soil	SBFT-7 (5-10) 11/18/2014 Soil	SBFT-8 (0-5) 11/18/2014 Soil	SBFT-8 (5-10) 11/18/2014 Soil	SBFT-9 (0-5) 11/18/2014 Soil	SBFT-9 (5-10) 11/18/2014 Soil	SBFT-10 (0-5) 11/18/2014 Soil	SBFT-10 (5-10) 11/18/2014 Soil	SBFT-11 (0-5) 11/18/2014 Soil	SBFT-11 (5-10) 11/18/2014 Soil	SBFT-11 (10-15) 11/18/2014 Soil
Metals by USEPA Method 6010C/7471B (mg/Kg)																				
Aluminum	--	--	--	--	--	---	6,670	2,270	3,970	4,640	7,910	9,110	4,480	2,040	3,030	1,550	1,880	4,810	2,870	6,510
Antimony	--	--	--	--	--	---	ND	ND	ND	ND	ND	ND	ND	0.2 B	0.51 B	0.37 B	0.24 B	0.32 B	0.97 B	0.63 B
Arsenic	13	16	16	16	16	100	1.6	ND	ND	1.2	3.8	1.6	0.53 B	0.93 B	2.1	0.97 B	0.49 B	1.7	13	2.4
Barium	350	350	400	400	10,000	20,000	32	8.6 B	12.7 B	24.6	56.8	43.4	17.1 B	10.3 B	52.2	8.6 B	12.4 B	32.7	54.1	11.6 B
Beryllium	7.2	14	72	590	2,700	---	0.24 B	0.15 B	0.15 B	0.096 B	0.15 B	0.12 B	0.11 B	0.075 B	0.17 B	0.063 B	0.089 B	0.18 B	0.48 B	0.42 B
Cadmium	2.5	2.5	4.3	9.3	60	2,000	0.21 B	0.12 B	ND	0.18 B	0.37 B	0.07 B	0.046 B	0.13 B	0.26 B	0.095 B	0.1 B	0.27 B	0.7	0.37 B
Calcium	--	--	--	--	--	---	2,650	295 B	151 B	1,510	5,940	1,090	398 B	573	746	328 B	299 B	2,680	632	310 B
Chromium	1	22	110	400	800	100	23.1	11.6	10.8	16.2	19.6	18.2	9.1	5.3	12.1	4.8	6.5	11.2	48.2	14.7
Cobalt	--	--	--	--	--	---	7.4	25	3.2 B	3.9 B	7.2	3.6 B	2.9 B	1.6 B	3 B	1.2 B	0.98 B	3.2 B	1.6 B	6.4
Copper	50	270	270	270	10,000	---	17.3	7.8	9.9	11.0	21.2	16.5	9.9	3.8	8.9	3.1	2.7 B	11.6	89.8	13.0
Iron	--	--	--	--	--	---	14,300	7,440	7,640	11,900	15,000	7,920	5,520	3,420	6,780	2,910	1,960	7,320	26,500	13,900
Lead	63	400	400	1,000	3,900	100	29	2.4	2.2	21.1	61.9	7.4	2.8	5.1	34.2	4	6	34.4	14.5	3.3
Magnesium	--	--	--	--	--	---	1,950	292 B	309 B	1,240	2,660	1,380	1,000	554	1,130	383 B	550 B	1,500	582	509 B
Manganese	1,600	2,000	2,000	10,000	10,000	---	148	210.0	48.3	156.0	250.0	40.6	43.6	63.0	59.9	52.2	18.2	121.0	42.3	141.0
Mercury	0.18	0.81	0.81	2.8	5.7	40	ND	ND	ND	0.039	0.15	ND	ND	0.027 B	0.034 B	0.022 B	0.022 B	0.064	ND	ND
Nickel	30	140	310	310	10,000	---	7.4	5.8	7.7	6.5	11	5.3	4.8	2.8 B	4.4 B	1.9 B	2.2 B	6.7	9.4	9.5
Potassium	--	--	--	--	--	---	570	251 B	454 B	629	705	1,160	446 B	270 B	783	212 B	347 B	533 B	603	655
Selenium	3.9	36	180	1,500	6,800	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	36	180	1,500	6,800	100	0.96 B	0.45 B	0.53 B	0.93 B	1.4	0.44	0.34 B	0.22 B	0.54 B	0.18 B	0.16 B	0.45 B	1.8	0.9 B
Sodium	--	--	--	--	--	---	77.2 B	ND	35.8 B	71.5 B	70.8 B	108	27.3 B	17.5 B	114 B	19.9 B	73.5 B	65.8 B	50.1 B	59.6 B
Thallium	--	--	--	--	--	---	6.8	ND	1.9	4.1	9.5	2 B	ND	ND	ND	ND	ND	1.3	ND	ND
Vanadium	--	--	--	--	--	---	20.6	7.5	9	15.2	23.8	23.8 B	11.7	5.4	10.7	5 B	5.3 B	12.8	31.1	14.8
Zinc	109	2,200	10,000	10,000	10,000	---	36.9	11	10.7	29.2	73.1	17.9	15.3	11.3	55.8	9.6	8.7	36.2	75.2	18.7

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (mg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 15 -Metals Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SBFT-11 (15-20) 11/18/2014 Soil	SBFT-11 (20-25) 11/18/2014 Soil	SBFT-12 (0-5) 11/18/2014 Soil	SBFT-13 (0-5) 11/18/2014 Soil	SBFT-14 (0-5) 11/19/2014 Soil	SBFT-14 (5-10) 11/19/2014 Soil	SBFT-14 (10-15) 11/19/2014 Soil	SBFT-15 (0-5) 11/19/2014 Soil	SBFT-15 (5-10) 11/19/2014 Soil	SBFT-15 (10-15) 11/19/2014 Soil	SBFT-16 (0-5) 11/19/2014 Soil	SBFT-16 (5-10) 11/19/2014 Soil	SBFT-16 (10-15) 11/19/2014 Soil	SBFT-17 (0-5) 11/19/2014 Soil
Metals by USEPA Method 6010C/7471B (mg/Kg)																				
Aluminum	--	--	--	--	--	---	6,630	6,200	7,510	3,690	6,980	4,000	13,900	4,530	3,310	1,320	5,610	1,330	681	3,240
Antimony	--	--	--	--	--	---	0.5 B	0.43 B	53.1	0.69 B	0.62 B	ND	0.88 B	0.78 B	0.27 B	0.27 B	0.74 B	0.28 B	0.26 B	11.6
Arsenic	13	16	16	16	16	100	2.6	2.6	82.8	2.1	2.4	1.2	2.8	1.4	0.75 B	0.94 B	2.3	1.5	0.63 B	4.6
Barium	350	350	400	400	10,000	20,000	35.9	19 B	35.1	13.9 B	44.8	22.1 B	98.2	67.2	12.6 B	7.5 B	27.1	7.2 B	3.6 B	13.5 B
Beryllium	7.2	14	72	590	2,700	---	0.62	0.6 B	0.32 B	0.16 B	0.46 B	0.1 B	0.83	0.26 B	0.082 B	0.12 B	0.21 B	0.09 B	0.044 B	0.42 B
Cadmium	2.5	2.5	4.3	9.3	60	2,000	0.39 B	0.36 B	1.4	0.25 B	0.66	0.33 B	0.78	0.57	0.13 B	0.16 B	0.32 B	0.24 B	0.13 B	0.22 B
Calcium	--	--	--	--	--	---	491 B	333 B	2,310	1,960	2,570	614	3,350	220 B	141 B	56 B	845	292 B	49.5 B	2,140
Chromium	1	22	110	400	800	100	15.4	15.6	17.4	10.4	14.7	10.1	35.5	12.7	7	5.3	19.1	9	4.7	9.6
Cobalt	--	--	--	--	--	---	15.4	5.2 B	7.3	2.2 B	6.4	2.7 B	15.4	7.7	2.7 B	2.1 B	5.1 B	1.4 B	0.37 B	7.7
Copper	50	270	270	270	10,000	---	17.8	16.6	51.6	10.9	10.4	83.2	28.4	27.4	9.3	10.0	27.3	9.8	6.8	361.0
Iron	--	--	--	--	--	---	12,700	12,200	12,000	8,110	9,660	6,030	26,000	19,700	4,390	6,690	10,400	10,700	6,950	7,070
Lead	63	400	400	1,000	3,900	100	8.9	6.8	65.5	10.6	4.1	7.4	9	2	2.1	0.5	2.7	0.28 B	0.34	42.9
Magnesium	--	--	--	--	--	---	896	847	1,130	690	1,600	966	6,240	1,090	393 B	109 B	2,040	292 B	47.5 B	713
Manganese	1,600	2,000	2,000	10,000	10,000	---	198.0	60.7	128.0	59.4	245.0	70.4	553.0	1,500	145.0	191.0	221.0	125.0	48.2	131.0
Mercury	0.18	0.81	0.81	2.8	5.7	40	ND	0.026 B	0.27	0.024 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Nickel	30	140	310	310	10,000	---	13.8	13.7	11	3.6 B	7.8	5.7	29.4	4.9	3.4 B	2.2 B	7.9	2.5 B	0.71 B	4.8
Potassium	--	--	--	--	--	---	1,090	957	501 B	377 B	487 B	399 B	3210	539 B	351 B	114 B	808	131 B	85.5 B	377 B
Selenium	3.9	36	180	1,500	6,800	20	ND	ND	1	ND	3.7	ND	ND	ND	ND	ND	ND	0.27	ND	ND
Silver	2	36	180	1,500	6,800	100	0.74 B	0.71 B	2.1	0.61 B	0.85 B	0.53 B	1.6	1.3	0.24 B	0.4 B	0.63 B	0.67 B	0.41 B	1.6
Sodium	--	--	--	--	--	---	70.5 B	44.9 B	187 B	72.3 B	232 B	225 B	321 B	ND	ND	ND	ND	32.8 B	ND	29.9 B
Thallium	--	--	--	--	--	---	1.5	ND	ND	ND	ND	ND	ND	4.6	ND	ND	ND	ND	ND	ND
Vanadium	--	--	--	--	--	---	24.9	23.9	16.3	12.4	13.1	8.5	38.7	9.6	6.5	5.1 B	17	3.3 B	2.4 B	9.4
Zinc	109	2,200	10,000	10,000	10,000	---	42	42.4	107	59.8	69.2	25.9	63.6	17.4	13	9.8	21.8	6.2	4.2	33.2

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (mg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 15 -Metals Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Unrestricted SCOs	NYDEC Residential SCOs	NYDEC Restricted-Residential SCOs	NYSDEC Commercial SCOs	NYSDEC Industrial SCOs	RCRA Hazardous Waste Criteria (based on the 20 to 1 rule)	SBFT-18 (0-5) 11/19/2014 Soil		SBFT-19 (0-5) 11/19/2014 Soil		SBFT-19 (5-10) 11/19/2014 Soil		SBOF-2 (0-5) 11/19/2014 Soil	
Metals by USEPA Method 6010C/7471B (mg/Kg)														
Aluminum	--	--	--	--	--	---	4,800		12,600		14,100		1,950	
Antimony	--	--	--	--	--	---	0.57	B	1.3	B	1.3	B	4.7	B
Arsenic	13	16	16	16	16	100	3.6		8.4		8.2		7.7	
Barium	350	350	400	400	10,000	20,000	41.1		74.4		82.4		18.8	B
Beryllium	7.2	14	72	590	2,700	---	0.19	B	0.48	B	0.55	B	0.076	B
Cadmium	2.5	2.5	4.3	9.3	60	2,000	0.34	B	0.86		0.92		0.24	B
Calcium	--	--	--	--	--	---	22,500		2,210		2,140		470	B
Chromium	1	22	110	400	800	100	12.4		24.1		23.1		7.4	
Cobalt	--	--	--	--	--	---	4.6	B	6.9		7.3		4	B
Copper	50	270	270	270	10,000	---	24.3		30.6		28.4		11.4	
Iron	--	--	--	--	--	---	8,010		18,400		19,700		5,960	
Lead	63	400	400	1,000	3,900	100	48.7		225		242		23.3	
Magnesium	--	--	--	--	--	---	1,600		2,270		2,300		591	
Manganese	1,600	2,000	2,000	10,000	10,000	---	302.0		359.0		343.0		141.0	
Mercury	0.18	0.81	0.81	2.8	5.7	40	ND		0.14		0.19		0.036	
Nickel	30	140	310	310	10,000	---	6.4		14.4		16.4		4.7	
Potassium	--	--	--	--	--	---	692		698		655		329	B
Selenium	3.9	36	180	1,500	6,800	20	ND		ND		ND		ND	
Silver	2	36	180	1,500	6,800	100	0.54	B	1.8		1.5		0.68	B
Sodium	--	--	--	--	--	---	638		69.8	B	88.9	B	ND	
Thallium	--	--	--	--	--	---	ND		ND		ND		ND	
Vanadium	--	--	--	--	--	---	11.8		26.3		28.7		8.1	
Zinc	109	2,200	10,000	10,000	10,000	---	51.3		119		127		33.5	

Notes:

NYSDEC SCOs- New York State Department of Environmental Conservation Soil Cleanup Objectives as set forth in 6 NYCRR Part 375-6

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC SCOs

All units are micrograms per kilogram (mg/Kg)

ND = Not detected

-- = No standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analysis at a secondary dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 16 -TCLP Soil Sample Results (Acquisition Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	**USEPA TCLP Regulatory**	SBFT-2 (5-10) 11/17/2014 Soil	SBFT-5 (0-5) 11/17/2014 Soil	SBFT-5 (5-10) 11/17/2014 Soil
TCLP Metals (mg/L)				
Chromium	5	NA	NA	1 H
Lead	5	0.468 H	1.22 H	NA

Notes:

USEPA TCLP- United States Environmental Protection Agency Toxicity Characteristics Leaching Procedure
Samples analyzed by Pace Analytical Services of Melville, New York
Highlighted values exceed USEPA TCLP Regulatory Levels
All units are milligrams per liter (mg/L)
NA = Not analyzed
ND = Not detected
-- = No standard
H = Received/analyzed outside of analytical holding time

Table 17 - Radiological Soil Sample Results with Decay (Acquisition Borings)

Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	**Direct Ingestion of Soil**	**Inhalation of Fugitive Dusts**	SBFT-1 (0-5) 11/17/2014 Soil		SBFT-1 (5-10) 11/17/2014 Soil		SBFT-1 (10-15) 11/17/2014 Soil		SBFT-2 (0-5) 11/17/2014 Soil		SBFT-2 (5-10) 11/17/2014 Soil		SBFT-2 (10-15) 11/17/2014 Soil		SBFT-3 (0-5) 11/17/2014 Soil		SBFT-3 (5-10) 11/17/2014 Soil		SBFT-4 (0-5) 11/17/2014 Soil	
Radiochemistry by USEPA Method 901.1 (pCi/g)			Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-
Actinium-228	-----	-----	0.689	0.241	0.612	0.273	0.396	0.302	1.336	0.368	1.777	0.496	1.244	0.381	0.885	0.276	0.896	0.278	0.149	0.139
Bismuth-212	-----	-----	1.138	0.977	0.677	1.258	0.317	0.801	-0.206	5.465	2.474	1.284	0.788	0.897	0.703	0.882	0.357	0.873	-0.115	4.613
Bismuth-214	-----	-----	0.761	0.217	0.562	0.203	0.155	0.146	1.211	0.331	2.254	0.440	0.843	0.274	0.820	0.230	0.670	0.183	0.207	0.100
Lead-210	**0.45900**	**2010**	0.555	1.391	0.468	1.661	0.736	1.631	-0.348	12.097	2.520	2.209	-0.563	4.043	1.076	1.458	-0.134	7.999	0.098	0.991
Lead-212	-----	-----	0.755	0.183	0.828	0.219	0.270	0.137	1.023	0.231	1.666	0.337	0.965	0.227	0.810	0.207	0.674	0.209	0.215	0.081
Lead-214	-----	-----	0.812	0.216	0.662	0.203	0.260	0.119	1.219	0.293	2.506	0.486	0.818	0.233	0.668	0.209	0.854	0.232	0.284	0.129
Potassium-40	**12.80**	**1760000**	11.145	2.484	5.393	1.923	9.887	2.554	11.338	2.605	7.981	2.180	12.579	2.935	6.626	1.959	5.008	1.517	4.928	1.456
Protactinium-231	**2.12**	**399**	0.000	0.008	-0.045	1.871	0.792	2.353	0.039	2.340	-0.582	2.728	0.049	2.069	-0.070	1.915	0.601	1.919	-0.101	1.588
Protactinium-234M	-----	-----	-0.683	27.309	-0.993	39.708	2.629	7.435	3.057	8.772	-0.573	70.510	0.934	7.496	2.201	6.126	0.206	5.258	-2.359	12.736
Radium-226	**1.09**	**1570**	0.808	0.214	0.618	0.189	0.187	0.109	1.230	0.257	2.370	0.388	0.820	0.230	0.729	0.205	0.718	0.193	0.242	0.083
Radium-228	**1.29**	**12900**	0.689	0.241	0.612	0.273	0.396	0.302	1.336	0.368	1.777	0.496	1.244	0.381	0.885	0.276	0.896	0.278	0.149	0.139
Thallium-208	-----	-----	0.222	0.102	0.109	0.124	0.163	0.089	0.470	0.140	0.628	0.150	0.450	0.130	0.194	0.089	0.253	0.086	0.064	0.069
Thorium-228	**10.70**	**1380**	0.740	0.153	0.560	0.115	0.258	0.068	1.03	0.191	1.54	0.281	0.912	0.189	0.520	0.115	0.868	0.171	0.230	0.065
Thorium-230	**3.93**	**637**	0.607	0.125	0.386	0.082	0.323	0.072	1.11	0.200	2.31	0.400	0.790	0.163	0.627	0.128	0.914	0.174	0.145	0.046
Thorium-232	**3.44**	**419**	0.684	0.136	0.477	0.097	0.240	0.057	0.964	0.176	1.48	0.267	0.827	0.166	0.514	0.108	0.703	0.139	0.230	0.058
Thorium-234	-----	-----	1.514	0.940	0.660	0.933	3.074	1.240	2.771	1.242	2.949	1.407	2.570	1.297	0.522	0.587	1.409	0.823	0.098	0.628
U-233/234 (U-234)	**5.02**	**1590**	0.470	0.092	0.395	0.081	1.07	0.180	0.826	0.133	2.00	0.309	1.39	0.221	0.480	0.092	0.839	0.146	0.174	0.043
U-235/236 (U-236)	**5.33**	**1730**	0.030	0.022	0.022	0.017	0.062	0.036	0.079	0.028	0.063	0.028	0.111	0.038	0.026	0.020	0.046	0.026	0.004	0.010
U-235	**48.70**	**1800**	0.189	0.078	0.054	0.077	0.097	0.057	0.109	0.077	0.307	0.133	0.177	0.113	0.159	0.092	0.067	0.059	0.014	0.048
U-238	**3.78**	**1943**	0.502	0.095	0.361	0.075	0.940	0.161	0.817	0.132	1.90	0.295	1.51	0.238	0.426	0.084	0.715	0.127	0.166	0.040

Notes

Radiological samples were analyzed by Pace Analytical Service, Inc. of Greensburg, PA.

Results provided in picocuries per gram (pCi/g).

Values highlighted exceed USEPA Decay Corrected SSLs for Radionuclides.

SSL = Soil Screening Levels.

USEPA = United States Environmental Protection Agency.

Sample results compared to USEPA Soil Screening Guidance for Radionuclides: Technical Background Document (EPA/540-R-00-007), Table A.2. Generic (Decay Corrected) SSLs for Radionuclides.

Table 17 - Radiological Soil Sample Results with Decay (Acquisition Borings)

Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	**Direct Ingestion of Soil**	**Inhalation of Fugitive Dusts**	SBFT-5 (0-5) 11/17/2014 Soil		SBFT-5 (5-10) 11/17/2014 Soil		SBFT-5 (10-15) 11/17/2014 Soil		SBFT-5 (15-20) 11/17/2014 Soil		SBFT-6 (0-5) 11/18/2014 Soil		SBFT-6 (5-10) 11/18/2014 Soil		SBFT-6 (10-15) 11/18/2014 Soil		SBFT-7 (0-5) 11/18/2014 Soil		SBFT-7 (5-10) 11/18/2014 Soil	
Radiochemistry by USEPA Method 901.1 (pCi/g)			Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-
Actinium-228	-----	-----	0.430	0.182	0.927	0.322	2.450	0.660	2.966	0.615	1.518	0.400	0.919	0.313	0.965	0.322	0.108	0.119	0.776	0.261
Bismuth-212	-----	-----	0.375	0.612	0.795	1.122	1.433	1.393	1.964	1.403	0.967	1.198	0.181	1.152	0.603	0.809	0.414	0.658	-0.131	5.257
Bismuth-214	-----	-----	0.197	0.140	0.497	0.224	1.410	0.352	1.376	0.382	0.722	0.262	0.578	0.266	0.581	0.208	0.292	0.131	0.364	0.182
Lead-210	**0.45900**	**2010**	0.103	1.295	0.266	1.695	2.567	2.251	0.251	2.728	-0.127	5.084	0.486	1.868	0.981	1.565	0.203	1.178	1.348	1.584
Lead-212	-----	-----	0.531	0.159	0.785	0.237	1.927	0.375	2.277	0.428	1.457	0.357	0.760	0.236	0.695	0.190	0.463	0.148	0.675	0.176
Lead-214	-----	-----	0.480	0.168	0.632	0.211	1.564	0.395	1.651	0.386	1.385	0.356	0.852	0.248	0.819	0.208	0.404	0.137	0.652	0.207
Potassium-40	**12.80**	**1760000**	5.604	1.612	8.779	2.345	19.275	3.916	25.686	4.784	9.968	2.618	7.659	2.184	8.510	2.088	3.274	1.275	5.999	1.726
Protactinium-231	**2.12**	**399**	-0.047	1.464	0.745	1.792	0.483	2.647	-1.043	3.342	-1.127	3.596	0.000	2.069	-0.427	2.265	-0.593	2.500	-0.214	2.194
Protactinium-234M	-----	-----	2.661	6.817	-0.885	35.386	-2.986	28.908	0.578	11.597	-0.250	10.002	6.670	9.876	-0.178	7.120	-0.445	16.558	-0.474	29.630
Radium-226	**1.09**	**1570**	0.324	0.113	0.485	0.143	1.478	0.361	1.528	0.354	0.778	0.283	0.716	0.208	0.717	0.181	0.372	0.100	0.514	0.150
Radium-228	**1.29**	**12900**	0.430	0.182	0.927	0.322	2.450	0.660	2.966	0.615	1.518	0.400	0.919	0.313	0.965	0.322	0.108	0.119	0.776	0.261
Thallium-208	-----	-----	0.070	0.068	0.102	0.087	0.665	0.164	0.760	0.186	0.533	0.178	0.220	0.089	0.143	0.095	0.122	0.089	0.204	0.076
Thorium-228	**10.70**	**1380**	0.369	0.186	0.966	0.189	1.59	0.344	2.10	0.522	1.12	0.207	0.938	0.170	0.852	0.162	0.323	0.080	0.531	0.106
Thorium-230	**3.93**	**637**	0.188	0.133	0.579	0.123	1.08	0.263	1.34	0.372	0.814	0.157	0.601	0.115	0.753	0.143	0.185	0.047	0.361	0.076
Thorium-232	**3.44**	**419**	0.371	0.128	0.774	0.153	1.79	0.366	2.47	0.562	1.04	0.193	0.898	0.162	0.711	0.136	0.281	0.062	0.507	0.098
Thorium-234	-----	-----	0.532	0.491	0.818	0.921	0.982	1.563	1.065	1.769	2.593	1.230	1.355	0.930	1.251	0.860	-0.142	3.613	1.116	0.810
U-233/234 (U-234)	**5.02**	**1590**	0.274	0.058	0.438	0.079	0.789	0.132	1.18	0.195	0.752	0.129	0.546	0.092	0.648	0.111	0.168	0.048	0.364	0.073
U-235/236 (U-236)	**5.33**	**1730**	0.031	0.018	0.029	0.015	0.055	0.024	0.050	0.031	0.055	0.026	0.023	0.014	0.041	0.020	0.005	0.019	0.026	0.021
U-235	**48.70**	**1800**	0.046	0.075	0.062	0.076	0.198	0.138	0.300	0.144	0.216	0.133	0.212	0.101	0.158	0.087	0.036	0.054	0.111	0.066
U-238	**3.78**	**1943**	0.293	0.060	0.471	0.084	0.814	0.135	1.13	0.186	0.776	0.132	0.518	0.088	0.673	0.114	0.170	0.046	0.357	0.072

Notes

Radiological samples were analyzed by Pace Analytical Service, Inc. of Greensburg, PA.

Results provided in picocuries per gram (pCi/g).

Values highlighted exceed USEPA Decay Corrected SSLs for Radionuclides.

SSL = Soil Screening Levels.

USEPA = United States Environmental Protection Agency.

Sample results compared to USEPA Soil Screening Guidance for Radionuclides: Technical Background Document (EPA/540-R-00-007), Table A.2. Generic (Decay Corrected) SSLs for Radionuclides.

Table 17 - Radiological Soil Sample Results with Decay (Acquisition Borings)

Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	**Direct Ingestion of Soil**	**Inhalation of Fugitive Dusts**	SBFT-8 (0-5) 11/18/2014 Soil		SBFT-8 (5-10) 11/18/2014 Soil		SBFT-9 (0-5) 11/18/2014 Soil		SBFT-9 (5-10) 11/18/2014 Soil		SBFT-10 (0-5) 11/18/2014 Soil		SBFT-10 (5-10) 11/18/2014 Soil		SBFT-11 (0-5) 11/18/2014 Soil		SBFT-11 (5-10) 11/18/2014 Soil		SBFT-11 (10-15) 11/18/2014 Soil	
Radiochemistry by USEPA Method 901.1 (pCi/g)			Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-
Actinium-228	-----	-----	1.347	0.407	0.942	0.246	0.883	0.321	0.652	0.260	0.591	0.290	0.460	0.292	0.523	0.234	1.369	0.350	0.755	0.303
Bismuth-212	-----	-----	0.595	0.786	0.156	0.901	1.134	1.017	0.468	0.741	-0.046	1.823	0.149	1.097	0.009	0.828	0.695	0.961	0.406	0.847
Bismuth-214	-----	-----	0.817	0.261	0.862	0.224	0.685	0.224	0.791	0.222	0.859	0.240	0.526	0.190	0.300	0.169	0.954	0.247	1.138	0.274
Lead-210	**0.45900**	**2010**	1.301	1.626	-0.584	3.411	1.624	1.457	1.507	1.474	0.772	1.524	-0.149	17.239	0.142	1.368	-0.158	5.854	0.091	1.353
Lead-212	-----	-----	1.043	0.224	0.742	0.193	0.891	0.197	0.877	0.202	0.837	0.224	0.815	0.202	0.797	0.187	1.099	0.235	0.645	0.170
Lead-214	-----	-----	1.210	0.260	0.956	0.243	0.487	0.168	0.684	0.216	0.857	0.249	0.521	0.212	0.468	0.168	0.802	0.225	0.788	0.222
Potassium-40	**12.80**	**1760000**	10.566	2.400	10.688	2.447	5.699	1.740	7.965	2.144	8.233	2.307	-0.326	13.045	7.871	1.985	7.754	2.120	13.188	2.857
Protactinium-231	**2.12**	**399**	2.596	2.442	1.666	1.917	-0.728	2.455	-0.585	2.667	1.606	2.182	1.349	2.396	-1.035	2.539	1.188	2.310	-0.360	2.233
Protactinium-234M	-----	-----	-0.685	27.395	2.446	7.551	-0.189	7.544	-0.193	7.709	-2.297	12.203	2.399	5.842	-0.178	7.101	-2.249	11.115	0.110	8.340
Radium-226	**1.09**	**1570**	0.973	0.207	0.928	0.234	0.659	0.216	0.743	0.188	0.906	0.234	0.521	0.188	0.450	0.142	0.924	0.183	1.050	0.253
Radium-228	**1.29**	**12900**	1.347	0.407	0.942	0.246	0.883	0.321	0.652	0.260	0.591	0.290	0.460	0.292	0.523	0.234	1.369	0.350	0.755	0.303
Thallium-208	-----	-----	0.308	0.095	0.266	0.093	0.289	0.093	0.267	0.090	0.319	0.115	0.198	0.097	0.192	0.085	0.326	0.101	0.253	0.097
Thorium-228	**10.70**	**1380**	1.18	0.220	0.783	0.151	1.16	0.215	0.976	0.181	1.05	0.194	0.706	0.145	0.515	0.111	1.32	0.254	0.555	0.133
Thorium-230	**3.93**	**637**	0.870	0.168	0.782	0.148	0.668	0.132	0.609	0.117	0.579	0.114	0.589	0.121	0.315	0.074	0.803	0.165	0.890	0.180
Thorium-232	**3.44**	**419**	1.16	0.213	0.766	0.145	0.997	0.184	0.818	0.151	0.902	0.166	0.643	0.128	0.418	0.090	1.12	0.213	0.486	0.112
Thorium-234	-----	-----	0.876	0.985	2.281	0.983	0.525	0.452	0.890	0.976	0.611	1.150	0.876	0.783	1.125	0.806	1.280	0.761	1.374	1.078
U-233/234 (U-234)	**5.02**	**1590**	0.667	0.130	0.638	0.118	0.691	0.138	0.630	0.125	0.658	0.120	0.574	0.111	0.599	0.116	0.443	0.089	0.919	0.165
U-235/236 (U-236)	**5.33**	**1730**	0.033	0.025	0.032	0.023	0.012	0.018	0.040	0.028	0.042	0.025	0.026	0.022	0.037	0.024	0.032	0.020	0.070	0.035
U-235	**48.70**	**1800**	0.199	0.091	0.195	0.111	0.063	0.058	0.057	0.069	0.165	0.095	0.139	0.112	0.083	0.067	0.052	0.065	0.183	0.098
U-238	**3.78**	**1943**	0.770	0.143	0.710	0.128	0.699	0.136	0.599	0.121	0.605	0.112	0.623	0.116	0.553	0.109	0.456	0.088	0.820	0.150

Notes

Radiological samples were analyzed by Pace Analytical Service, Inc. of Greensburg, PA.

Results provided in picocuries per gram (pCi/g).

Values highlighted exceed USEPA Decay Corrected SSLs for Radionuclides.

SSL = Soil Screening Levels.

USEPA = United States Environmental Protection Agency.

Sample results compared to USEPA Soil Screening Guidance for Radionuclides: Technical Background Document (EPA/540-R-00-007), Table A.2. Generic (Decay Corrected) SSLs for Radionuclides.

Table 17 - Radiological Soil Sample Results with Decay (Acquisition Borings)

Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	**Direct Ingestion of Soil**	**Inhalation of Fugitive Dusts**	SBFT-11 (15-20) 11/18/2014 Soil		SBFT-11 (20-25) 11/18/2014 Soil		SBFT-12 (0-5) 11/18/2014 Soil		SBFT-13 (0-5) 11/18/2014 Soil		SBFT-14 (0-5) 11/19/2014 Soil		SBFT-14 (5-10) 11/19/2014 Soil		SBFT-14 (10-15) 11/19/2014 Soil		SBFT-15 (0-5) 11/19/2014 Soil		SBFT-15 (5-10) 11/19/2014 Soil	
Radiochemistry by USEPA Method 901.1 (pCi/g)			Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-
Actinium-228	-----	-----	0.712	0.311	1.638	0.411	0.810	0.279	0.887	0.382	0.869	0.250	0.738	0.319	2.214	0.560	0.730	0.333	0.136	0.206
Bismuth-212	-----	-----	0.473	0.946	1.855	1.115	0.897	1.057	1.341	1.440	1.006	0.953	0.471	1.023	2.877	1.516	-0.140	5.608	0.160	0.663
Bismuth-214	-----	-----	1.128	0.265	1.293	0.318	0.856	0.224	0.785	0.249	0.817	0.221	0.823	0.240	1.431	0.402	0.826	0.252	-0.036	0.962
Lead-210	**0.45900**	**2010**	1.225	1.685	1.845	2.087	1.645	1.433	-0.226	5.435	-0.211	8.447	1.000	1.982	0.808	2.720	0.003	1.509	0.295	0.885
Lead-212	-----	-----	0.799	0.189	1.513	0.351	0.855	0.210	1.076	0.271	0.788	0.219	1.038	0.241	2.032	0.436	0.977	0.249	0.131	0.081
Lead-214	-----	-----	1.291	0.292	1.210	0.305	0.932	0.227	1.201	0.313	0.591	0.175	0.804	0.205	1.475	0.415	0.794	0.233	0.225	0.139
Potassium-40	**12.80**	**1760000**	10.656	2.354	17.816	3.687	8.282	2.097	-0.306	12.258	11.377	2.561	13.890	2.840	25.607	5.008	12.042	2.727	1.779	1.014
Protactinium-231	**2.12**	**399**	0.193	1.944	-0.590	3.071	0.000	2.768	0.366	2.643	1.012	1.991	-0.760	2.639	-0.009	0.341	1.880	2.372	0.001	1.401
Protactinium-234M	-----	-----	3.550	7.420	4.315	10.017	-0.421	13.885	4.329	7.279	0.661	6.791	-0.672	26.873	1.792	12.754	-0.774	30.963	-2.477	12.405
Radium-226	**1.09**	**1570**	1.207	0.260	1.284	0.285	0.872	0.211	0.778	0.247	0.821	0.216	0.854	0.204	1.474	0.368	0.869	0.187	0.011	0.018
Radium-228	**1.29**	**12900**	0.712	0.311	1.638	0.411	0.810	0.279	0.887	0.382	0.869	0.250	0.738	0.319	2.214	0.560	0.730	0.333	0.136	0.206
Thallium-208	-----	-----	0.298	0.097	0.481	0.151	0.324	0.097	0.358	0.114	0.251	0.101	0.350	0.124	0.562	0.191	0.376	0.111	-0.009	0.356
Thorium-228	**10.70**	**1380**	0.955	0.189	1.57	0.301	0.957	0.190	1.20	0.225	0.740	0.159	1.25	0.226	1.46	0.310	0.980	0.183	0.561	0.115
Thorium-230	**3.93**	**637**	1.46	0.266	1.08	0.218	0.755	0.158	0.846	0.165	0.587	0.131	0.753	0.146	0.974	0.220	0.569	0.116	0.328	0.073
Thorium-232	**3.44**	**419**	1.07	0.201	1.40	0.267	0.907	0.178	1.18	0.219	0.683	0.147	1.12	0.203	1.47	0.301	0.909	0.170	0.456	0.092
Thorium-234	-----	-----	3.044	1.258	2.305	1.558	1.300	0.745	1.049	1.128	1.427	0.733	0.920	1.469	2.861	1.671	1.197	1.045	0.382	0.634
U-233/234 (U-234)	**5.02**	**1590**	1.10	0.171	0.828	0.133	0.675	0.124	0.552	0.096	0.591	0.134	0.615	0.108	0.982	0.191	0.658	0.119	0.275	0.070
U-235/236 (U-236)	**5.33**	**1730**	0.069	0.025	0.049	0.022	0.045	0.026	0.037	0.018	0.015	0.039	0.034	0.022	0.041	0.033	0.043	0.024	0.007	0.019
U-235	**48.70**	**1800**	0.098	0.079	0.259	0.127	0.160	0.077	0.094	0.106	0.101	0.071	0.102	0.086	0.359	0.139	0.128	0.083	0.024	0.048
U-238	**3.78**	**1943**	1.05	0.164	0.772	0.125	0.659	0.120	0.517	0.090	0.587	0.131	0.659	0.114	0.954	0.185	0.687	0.122	0.272	0.066

Notes

Radiological samples were analyzed by Pace Analytical Service, Inc. of Greensburg, PA.

Results provided in picocuries per gram (pCi/g).

Values highlighted exceed USEPA Decay Corrected SSLs for Radionuclides.

SSL = Soil Screening Levels.

USEPA = United States Environmental Protection Agency.

Sample results compared to USEPA Soil Screening Guidance for Radionuclides: Technical Background Document (EPA/540-R-00-007), Table A.2. Generic (Decay Corrected) SSLs for Radionuclides.

Table 17 - Radiological Soil Sample Results with Decay (Acquisition Borings)

Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	**Direct Ingestion of Soil**	**Inhalation of Fugitive Dusts**	SBFT-15 (10-15) 11/19/2014 Soil		SBFT-16 (0-5) 11/19/2014 Soil		SBFT-16 (5-10) 11/19/2014 Soil		SBFT-16 (10-15) 11/19/2014 Soil		SBFT-17 (0-5) 11/19/2014 Soil		SBFT-18 (0-5) 11/19/2014 Soil		SBFT-19 (0-5) 11/19/2014 Soil		SBFT-19 (5-10) 11/19/2014 Soil		SBOF-2 (0-5) 11/19/2014 Soil	
Radiochemistry by USEPA Method 901.1 (pCi/g)			Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-
Actinium-228	-----	-----	0.093	0.075	0.413	0.250	0.173	0.174	-0.021	0.822	0.886	0.290	0.483	0.245	0.691	0.319	0.825	0.375	0.210	0.241
Bismuth-212	-----	-----	0.326	0.613	1.170	0.913	-0.052	1.157	-0.146	3.580	0.579	1.101	0.718	0.837	0.885	1.029	0.433	1.096	-0.132	5.300
Bismuth-214	-----	-----	0.246	0.111	0.492	0.172	0.265	0.112	0.084	0.083	0.697	0.247	0.498	0.174	0.941	0.283	1.002	0.278	0.497	0.168
Lead-210	**0.45900**	**2010**	-0.107	3.182	0.630	1.364	0.597	0.979	0.343	0.794	1.353	1.500	0.195	1.426	1.257	1.683	1.599	1.793	-0.219	8.747
Lead-212	-----	-----	0.239	0.100	0.795	0.188	0.156	0.087	0.071	0.062	1.121	0.285	0.497	0.169	0.821	0.231	1.075	0.249	0.559	0.155
Lead-214	-----	-----	0.097	0.096	0.553	0.180	0.071	0.093	0.043	0.078	0.930	0.251	0.629	0.190	1.010	0.262	1.050	0.271	0.533	0.168
Potassium-40	**12.80**	**1760000**	1.948	1.015	10.386	2.450	4.428	1.497	0.747	0.609	12.295	2.842	4.592	1.668	-0.386	15.455	9.143	2.442	8.007	2.059
Protactinium-231	**2.12**	**399**	0.000	0.008	0.007	2.082	-0.270	1.435	0.026	1.076	-0.769	2.883	0.049	1.913	0.396	2.595	0.191	2.585	0.447	1.900
Protactinium-234M	-----	-----	-0.662	26.471	-0.673	26.906	-0.633	25.332	-0.424	27.797	1.467	10.228	-2.437	17.259	-0.725	99.856	-2.887	15.628	-0.731	29.255
Radium-226	**1.09**	**1570**	0.268	0.121	0.510	0.165	0.306	0.103	0.065	0.065	0.810	0.217	0.565	0.132	0.958	0.199	1.023	0.262	0.513	0.128
Radium-228	**1.29**	**12900**	0.093	0.075	0.413	0.250	0.173	0.174	-0.021	0.822	0.886	0.290	0.483	0.245	0.691	0.319	0.825	0.375	0.210	0.241
Thallium-208	-----	-----	0.045	0.065	0.285	0.095	0.031	0.047	0.025	0.044	0.311	0.103	0.304	0.098	0.290	0.121	0.409	0.129	0.163	0.078
Thorium-228	**10.70**	**1380**	0.371	0.079	0.984	0.178	0.412	0.092	0.164	0.044	0.783	0.154	0.641	0.120	0.939	0.179	1.12	0.223	0.478	0.102
Thorium-230	**3.93**	**637**	0.213	0.051	0.543	0.105	0.336	0.073	0.110	0.029	0.651	0.128	0.450	0.086	0.748	0.144	0.916	0.185	0.323	0.072
Thorium-232	**3.44**	**419**	0.304	0.064	1.07	0.189	0.362	0.076	0.153	0.036	0.759	0.145	0.562	0.104	0.926	0.172	1.07	0.209	0.371	0.078
Thorium-234	-----	-----	0.421	0.641	0.847	0.527	0.060	0.637	-0.072	1.999	1.149	1.089	0.486	0.804	0.814	0.959	2.882	1.241	-0.887	1.390
U-233/234 (U-234)	**5.02**	**1590**	0.231	0.055	0.343	0.073	0.286	0.065	0.135	0.039	0.847	0.143	0.442	0.086	0.637	0.119	0.723	0.139	0.253	0.058
U-235/236 (U-236)	**5.33**	**1730**	0.021	0.017	0.013	0.024	0.018	0.017	0.013	0.014	0.060	0.027	0.023	0.017	0.024	0.022	0.057	0.032	0.002	0.020
U-235	**48.70**	**1800**	0.010	0.019	0.094	0.082	0.022	0.044	-0.001	0.038	0.168	0.075	0.092	0.092	0.084	0.077	0.106	0.103	0.093	0.067
U-238	**3.78**	**1943**	0.241	0.055	0.392	0.079	0.304	0.068	0.137	0.040	0.780	0.133	0.417	0.082	0.602	0.112	0.714	0.136	0.312	0.066

Notes

Radiological samples were analyzed by Pace Analytical Service, Inc. of Greensburg, PA.

Results provided in picocuries per gram (pCi/g).

Values highlighted exceed USEPA Decay Corrected SSLs for Radionuclides.

SSL = Soil Screening Levels.

USEPA = United States Environmental Protection Agency.

Sample results compared to USEPA Soil Screening Guidance for Radionuclides: Technical Background Document (EPA/540-R-00-007), Table A.2. Generic (Decay Corrected) SSLs for Radionuclides.

Table 18 - Volatile Organic Compounds (VOCs) Groundwater Analytical Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

COMPOUND	NYSDEC TOGS	GW-SSBR-1-U	GW-SSBR-1-F	GW-SSBR-7-U	GW-SSBR-7-F	GW-SSBR-10-U	GW-SSBR-10-F	GW-SSBR-15-U	GW-SSBR-15-F	GW-SSBR-18-U	GW-SSBR-18-F	GW-SSBR-20-U	GW-SSBR-20-F
Date		10/21/2014		10/22/2014		10/22/2014		10/23/2014		10/23/2014		10/23/2014	
VOCs (µg/l) - EPA Method 8260													
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	7 J	6 J	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	2 J	2 J	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	2 J	1 J	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	6 JZ	55 Z	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	5 J	ND	ND	ND	ND	ND	ND	ND
Chloroethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	1 J	2 J	9 J	9 J	ND	ND
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	78	58	39	38	41	42
cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylenes	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Acetate	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	1 J	1 J	ND	ND
Methyl-t-butyl ether	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	2 J	3 J	47	51	6 J	6 J
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	4 J	4 J	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	35	33	22	21	4 J	4 J
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND	ND	15	17	6 J	6 J	5 J	5 J
Xylenes (Total)	5	ND	ND	ND	ND	ND	ND	2 J	ND	3 J	ND	2 J	ND

NOTES:
NYDEC TOGS = New York Department of Environmental Conservation Technical Operational and Guidance Series 1.1.1 Table 5: Groundwater Effluent Limitations
Samples analyzed by Pace Analytical Services of Melville, New York
Highlighted values exceed NYSDEC TOGS
All units are micrograms per liter (µg/l)
ND = Not Detected
-- = No Standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zer
B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limi

P = Used for pesticide/Aroclor target analyte when there is

greater than 25% difference for detected concentrations
D = Identifies compounds identified in an analaysis at a secondary dilution facto

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 19 - Semi-Volatile Organic Compounds (SVOCs) Groundwater Analytical Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

COMPOUND	NYSDEC TOGS	GW-SSBR-1-U	GW-SSBR-1-F	GW-SSBR-7-U	GW-SSBR-7-F	GW-SSBR-10-U	GW-SSBR-10-F	GW-SSBR-15-U	GW-SSBR-15-F	GW-SSBR-18-U	GW-SSBR-18-F	GW-SSBR-20-U	GW-SSBR-20-F
Date		10/21/2014		10/22/2014		10/22/2014		10/23/2014		10/23/2014		10/23/2014	
SVOCs (µg/l) - EPA Method 8270													
1,1'-Biphenyl	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	2	ND	ND	ND	ND	ND	ND	4 J	7 J	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	--	2 BJ	4 BJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Atrazine	7.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	ND	ND	ND	ND	ND	ND	ND	ND	3 J	ND	3 J	2 J
Butylbenzylphthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 J	ND	ND
Dibenzo[a,h]anthracene	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 19 - Semi-Volatile Organic Compounds (SVOCs) Groundwater Analytical Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

COMPOUND	NYSDEC TOGS	GW-SSBR-1-U	GW-SSBR-1-F	GW-SSBR-7-U	GW-SSBR-7-F	GW-SSBR-10-U	GW-SSBR-10-F	GW-SSBR-15-U	GW-SSBR-15-F	GW-SSBR-18-U	GW-SSBR-18-F	GW-SSBR-20-U	GW-SSBR-20-F
Date		10/21/2014		10/22/2014		10/22/2014		10/23/2014		10/23/2014		10/23/2014	
SVOCs (µg/l) - EPA Method 8270													
Hexachlorocyclopentadiene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
NYDEC TOGS = New York Department of Environmental Conservation Technical Operational and Guidance Series 1.1.1 Table 5: Groundwater Effluent Limitations
Samples analyzed by Pace Analytical Services of Melville, New York
Highlighted values exceed NYSDEC GELs
All units are micrograms per liter (µg/l)
ND = Not Detected
-- = No Standard
J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zer
B = Analyte found in blank as well as in sample
B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limi
P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".
D = Identifies compounds identified in an analaysis at a seconday dilution factor
Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)
X = Analyte is suspected column bleed

Table 20 -Pesticides Groundwater Analytical Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Compound	NYSDEC TOGS	GW-SSBR-1-U	GW-SSBR-1-F	GW-SSBR-7-U	GW-SSBR-7-F	GW-SSBR-10-U	GW-SSBR-10-F	GW-SSBR-15-U	GW-SSBR-15-F	GW-SSBR-18-U	GW-SSBR-18-F	GW-SSBR-20-U	GW-SSBR-20-F
Date		10/21/2014		10/22/2014		10/22/2014		10/23/2014		10/23/2014		10/23/2014	
Pesticides (µg/l) - EPA Method 8081													
Aldrin	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.03	ND	ND	ND	ND	ND	ND	0.11 P	0.18 P	ND	ND	ND	ND
Methoxychlor	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDD	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDE	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDT	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
NYDEC TOGS = New York Department of Environmental Conservation Technical Operational and Guidance Series 1.1.1 Table 5: Groundwater Effluent Limitations
Samples analyzed by Pace Analytical Services of Melville, New York
Highlighted values exceed NYSDEC GELs
All units are micrograms per liter (µg/l)
ND = Not Detected
-- = No Standard
J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zerc
B = Analyte found in blank as well as in sample
B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit
P = Used for pesticide/Aroclor target analyte when
there is greater than 25% difference for detected
D = Identifies compounds identified in an analaysis at a seconday dilution factor
Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)
X = Analyte is suspected column bleed

Table 21 -PCBs Groundwater Analytical Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Compound	NYSDEC TOGS	GW-SSBR-1-U	GW-SSBR-1-F	GW-SSBR-7-U	GW-SSBR-7-F	GW-SSBR-10-U	GW-SSBR-10-F	GW-SSBR-15-U	GW-SSBR-15-F	GW-SSBR-18-U	GW-SSBR-18-F	GW-SSBR-20-U	GW-SSBR-20-F
Date		10/21/2014		10/22/2014		10/22/2014		10/23/2014		10/23/2014		10/23/2014	
PCBs (µg/l) - EPA Method 8020													
Aroclor-1016	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1262	35,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1268	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor (Total)	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

NYDEC TOGS = New York Department of Environmental Conservation Technical Operational and Guidance Series 1.1.1 Table 5: Groundwater Effluent Limitations

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC GELs

All units are micrograms per liter (µg/l)

ND = Not Detected

-- = No Standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is
greater than 25% difference for detected concentrations between

D = Identifies compounds identified in an analaysis at a seconday dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 22 -Herbicides Groundwater Analytical Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Compound	NYSDEC TOGS	GW-SSBR-1-U	GW-SSBR-1-F	GW-SSBR-7-U	GW-SSBR-7-F	GW-SSBR-10-U	GW-SSBR-10-F	GW-SSBR-15-U	GW-SSBR-15-F	GW-SSBR-18-U	GW-SSBR-18-F	GW-SSBR-20-U	GW-SSBR-20-F
Date		10/21/2014		10/22/2014		10/22/2014		10/23/2014		10/23/2014		10/23/2014	
Herbicides (µg/l) - EPA Method 8151													
2,4,5-T	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	50	ND	ND	ND	ND	ND	ND	0.87 BP	0.27 BJ	ND	ND	ND	ND
Dicamba	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

NYDEC TOGS = New York Department of Environmental Conservation Technical Operational and Guidance Series 1.1.1 Table 5: Groundwater Effluent Limitations
Samples analyzed by Pace Analytical Services of Melville, New York
Highlighted values exceed NYSDEC GELs
All units are micrograms per liter (µg/l)
ND = Not Detected
-- = No Standard
J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero
B = Analyte found in blank as well as in sample
B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit
P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".
D = Identifies compounds identified in an analaysis at a seconday dilution factor
Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)
X = Analyte is suspected column bleed

Table 23 -Metals Soil Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Compound	NYSDEC TOGS	GW-SSBR-1-U		GW-SSBR-1-F		GW-SSBR-7-U		GW-SSBR-7-F		GW-SSBR-10-U		GW-SSBR-10-F		GW-SSBR-15-U		GW-SSBR-15-F		GW-SSBR-18-U		GW-SSBR-18-F		GW-SSBR-20-U		GW-SSBR-20-F	
Date		10/21/2014				10/22/2014				10/22/2014				10/23/2014				10/23/2014				10/23/2014			
TAL Metals (µg/l) - EPA Methods 6010, 6020, 7470																									
Aluminum	2,000	21,700		28,600		13,200		9,480		11,500		23,600		10,000		2,620		64,900		23,300		27,900		14,000	
Antimony	6	61.6		ND		ND		ND		ND		ND		ND		ND		19.7	B	9.2	B	ND		ND	
Arsenic	50	299		296		2.8	B	2	B	5.5	B	11.6		325		107		476		125		9.5	B	6.6	B
Barium	2,000	79.2	B	105	B	167	B	217		78.3	B	138	B	130	B	60.5	B	1,150		292		429		223	
Beryllium	3	0.6	B	0.4	B	ND		ND		ND		0.3	B	ND		ND		5.8		2.2	B	ND		ND	
Cadmium	10	2.1	B	2.5	B	ND		ND		0.5	B	1.3	B	0.7	B	ND		346		238		7.7		6.2	
Calcium	--	97,500		108,000		65,300		95,400		59,600		64,800		68,000		40,600		585,000		550,000		69,400		59,400	
Chromium	100	160		216		32.2		11.8		22.8		45.2		18.7		12.3		479		173		183		88.7	
Cobalt	--	21.7	B	23.7	B	27.3	B	25.5	B	75.8		90.2		75.5		42.2	B	350		314		23.8	B	11.9	B
Copper	1,000	57.7		80.4		30.4		20.2	B	35.9		70.8		32.3		25.5		1,560		918		179		92	
Iron	600	93,700		93,400		20,100		17,000		15,600		31,000		40,200		15,700		859,000		387,000		65,900		33,500	
Lead	50	98.3		148		25.5		15.6		59.6		116		16.5		4.4		189		53.9		28.5		14.9	
Magnesium	35,000	66,200		76,400		10,400		16,000		6,530		8,160		11,200		8,690		34,200		28,200		21,100		16,400	
Manganese	600	715		834		1,450		2,190		1,660		2,040		5,370		2,150		27,500		19,600		15,700		13,000	
Mercury	1.4	0.32		0.49		0.11	B	0.49		0.14	B	0.31		ND		ND		1		0.51		0.12	B	0.11	B
Nickel	200	77		98.7		26.2	B	12.9	B	14.9	B	30.1	B	22.1	B	16.8	B	451		288		131		77.8	
Potassium	--	49,200		55,000		4,630	B	6,950		3,730	B	4,920	B	7,670		7,760		14,200		10,100		7,490		5,810	
Selenium	20	26.2		30.5		ND		30.5		ND		2.7	B	ND		ND		33.8		ND		ND		ND	
Silver	100	10.7		14.4		0.81	B	0.79	B	0.99	B	ND		3.8	B	1.6	B	ND		34		6.6	B	1.7	B
Sodium	--	829,000		908,000		43,600		65,300		79,400		84,800		147,000		412,000		282,000		270,000		37,100		34,700	
Thallium	0.5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	--	72.6		104		26.1	B	16.4	B	25.1	B	52.1		8	B	3.7	B	312		94.9		63.7		30.7	B
Zinc	5,000	134		184		45		33.8		70		135		72.3		93.7		19,400		18,300		1,250		754	

NOTES:

NYDEC TOGS = New York Department of Environmental Conservation Technical Operational and Guidance Series 1.1.1 Table 5: Groundwater Effluent Limitations

Samples analyzed by Pace Analytical Services of Melville, New York

Highlighted values exceed NYSDEC GELs

All units are micrograms per liter (µg/l)

ND = Not Detected

-- = No Standard

J = Estimated value of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero

B = Analyte found in blank as well as in sample

B (Metals Table) = Reported value is less than the Contract Required Detection Limit but greater than the Instrument Detection Limit

P = Used for pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported with a "P".

D = Identifies compounds identified in an analaysis at a seconday dilution factor

Z = Analyte had a % deviation greater than 20% in the daily continuous calibration checks (CCV)

X = Analyte is suspected column bleed

Table 24 - Radiological Groundwater Sample Results (Roadway Borings)
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Sample ID Sample Date Matrix	NYSDEC Groundwater Quality Standards	GW-SSBR-1-U 10/21/2014 Water		GW-SSBR-1-F 10/21/2014 Water		GW-SSBR-7-U 10/22/2014 Water		GW-SSBR-7-F 10/22/2014 Water		GW-SSBR-10-U 10/22/2014 Water		GW-SSBR-10-F 10/22/2014 Water		GW-SSBR-15-U 10/23/2014 Water		GW-SSBR-15-F 10/23/2014 Water		GW-SSBR-18-U 10/23/2014 Water		GW-SSBR-18-F 10/23/2014 Water		GW-SSBR-20-U 10/23/2014 Water		GW-SSBR-20-F 10/23/2014 Water	
Radiochemistry by USEPA Method 901.1 (pCi/L)		Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-	Result	Uncert +/-
Actinium-228	--	-3.507	1667.900	-15.189	64.243	10.175	18.024	2.759	4.314	-2.413	38.548	2.352	9.488	1.088	8.976	0.443	15.833	5.870	18.938	5.111	9.747	-2.052	39.256	4.521	19.305
Bismuth-212	--	-3.978	868.330	-18.156	173.440	-6.536	261.420	20.175	34.405	-43.021	116.810	-11.574	73.880	23.408	26.753	11.982	64.465	0.943	58.891	17.596	32.944	29.534	61.233	-16.960	63.822
Bismuth-214	--	93.477	15.493	168.850	30.808	18.250	13.375	87.661	16.079	73.686	19.152	51.372	11.755	19.350	9.763	-5.690	39.211	21.897	9.945	36.329	12.525	14.585	12.512	31.137	13.690
Cesium-137	--	-0.355	2.721	-0.319	5.664	0.916	4.887	-0.498	2.536	-0.604	5.307	0.081	2.492	-1.129	4.865	18.886	8.089	0.779	4.732	0.173	2.469	0.202	4.100	-1.472	5.515
Lead-212	--	21.255	20.970	29.925	16.541	-0.187	9.256	5.740	6.134	-4.187	37.777	14.245	11.910	-3.307	201.900	-3.199	22.295	0.897	8.349	9.631	8.465	-1.214	12.281	1.214	9.604
Lead-214	--	117.200	18.526	194.940	32.974	7.290	10.049	93.950	15.772	68.135	21.511	56.781	11.625	9.324	5.312	8.653	9.899	35.385	14.731	43.158	11.624	38.846	16.754	27.877	11.783
Potassium-40	--	61.615	39.920	23.401	73.432	-26.633	166.570	-29.915	1196.600	-5.323	75.370	-16.919	100.480	-35.812	1432.500	-27.473	135.200	-22.143	130.480	-28.033	212.850	-22.989	115.410	-30.458	161.920
Protactinium-231	--	-0.801	152.540	-7.458	237.070	-100.860	209.860	80.337	138.040	157.400	206.990	58.870	118.100	-51.240	151.710	46.968	209.030	-57.568	226.030	74.793	109.310	-5.359	161.650	-83.615	216.440
Protactinium-234M	--	43.427	318.820	163.590	556.460	-155.170	14839.000	35.060	285.310	51.254	536.190	-11.609	284.130	116.870	292.360	-63.921	2556.900	176.900	568.670	-1.532	405.180	-210.560	1143.800	-60.594	24243.000
Radium-226	**3**	0.958	0.528	1.28	0.582	6.13	1.34	1.06	0.564	0.441	0.374	6.89	1.55	2.11	0.778	0.914	0.523	5.49	1.26	0.832	0.480	1.43	0.632	1.43	0.635
Radium-228	**5**	0.774	0.291	0.734	0.294	5.52	1.11	0.659	0.294	0.380	0.254	4.08	0.863	2.13	0.521	0.945	0.355	6.24	1.23	2.66	0.601	1.66	0.456	0.656	0.291
Thorium-228	--	0.095	0.064	0.087	0.076	0.154	0.056	-0.006	0.027	0.055	0.081	0.085	0.064	0.114	0.051	0.011	0.054	0.589	0.133	0.431	0.106	0.291	0.082	0.149	0.056
Thorium-230	--	0.110	0.057	0.027	0.055	0.043	0.035	0.015	0.021	0.000	0.062	0.013	0.037	0.115	0.052	0.000	0.022	1.23	0.232	0.689	0.144	0.138	0.051	0.087	0.039
Thorium-232	--	0.051	0.036	0.032	0.045	0.025	0.019	-0.015	0.021	0.013	0.049	0.000	0.031	0.102	0.044	0.004	0.016	0.724	0.150	0.394	0.096	0.148	0.050	0.081	0.038
U-233/234	--	0.978	0.164	1.09	0.184	1.71	0.265	0.352	0.076	0.229	0.053	2.17	0.329	0.723	0.128	0.090	0.037	4.30	0.641	1.27	0.228	0.936	0.152	0.334	0.074
U-235/236	--	0.049	0.025	0.047	0.026	0.105	0.036	0.025	0.017	0.017	0.015	0.113	0.038	0.039	0.023	0.007	0.012	0.203	0.060	0.063	0.038	0.048	0.021	0.031	0.018
Uranium-238	--	0.983	0.165	0.922	0.159	1.74	0.269	0.431	0.084	0.196	0.048	2.29	0.344	0.736	0.128	0.140	0.038	4.29	0.638	1.35	0.240	0.910	0.148	0.356	0.073

Notes

Radiological samples were analyzed by Pace Analytical Service, Inc. of Greensburg, PA
Results provided in picocuries per gram (pCi/L)
NYSDEC = New York State Department of Environmental Conservation
-- = No Standard
Values highlighted exceed NYSDEC Groundwater Standards for Radiological Compounds
Sample results compared to NYSDEC Groundwater Standards for Radiological Compounds: NYSDEC Groundwater Quaility Standards

Table 25 - Soil Sample Part 375 Soil Cleanup Objectives Exceedances
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Boring Location	Sample Depth (ft-bgs)	NYSDEC Part 375 Soil Cleanup Objectives				
		Unrestricted Use	Residential	Restricted-Res	Commercial	Industrial
SBOF-1	0-5 foot	Chromium	---	---	---	---
SSBR-1	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
SSBR-2	0-5 foot	Lead, p,p'-DDE, silver, zinc	Chromium	---	---	---
	5-10 foot	Arochlor-1260, chromium	---	---	---	---
SSBR-3	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium, lead, p,p'-DDE, p,p'-DDD, silver	---	---	Arsenic	Arsenic
SSBR-4	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	Chromium	---	---	---
SSBR-5	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
SSBR-6	0-5 foot	Chromium, lead, p,p'-DDE, p,p'-DDD	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
	15-20 foot	Chromium	---	---	---	---
SSBR-7	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
	15-20 foot	Chromium	---	---	---	---
SSBR-8	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
SSBR-9	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	Chromium	---	---	---
	15-20 foot	Chromium	---	---	---	---
SSBR-10	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Acetone, chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
	15-20 foot	Chromium	---	---	---	---

Table 25 - Soil Sample Part 375 Soil Cleanup Objectives Exceedances
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Boring Location	Sample Depth (ft-bgs)	NYSDEC Part 375 Soil Cleanup Objectives				
		Unrestricted Use	Residential	Restricted-Res	Commercial	Industrial
SSBR-11	0-5 foot	Arochlor-1248, chromium, lead, 'pp-DDD	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
	15-20 foot	Chromium	---	---	---	---
	20-25 foot	Chromium	---	---	---	---
SSBR-12	0-5 foot	Acetone, chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
	15-20 foot	Chromium	---	---	---	---
	20-25 foot	Chromium	---	---	---	---
SSBR-13	1-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
	15-20 foot	Chromium	---	---	---	---
	20-25 foot	Chromium	---	---	---	---
SSBR-14	1-5 foot	Acetone, chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium, manganese	---	---	---	---
	15-20 foot	Chromium	---	---	---	---
	20-25 foot	Chromium	---	---	---	---
SSBR-15	1-5 foot	Chromium	---	---	Arsenic	Arsenic
	5-10 foot	Chromium, copper	Chromium	---	---	---
	10-15 foot	Chromium	Chromium	---	---	---
	15-20 foot	Chromium	---	---	---	---
	20-25 foot	Chromium	---	---	---	---
SSBR-16	1-5 foot	Chromium	---	---	---	---
	5-10 foot	Acetone, chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
SSBR-17	1-5 foot	Chromium, copper	Chromium	---	Arsenic	Arsenic
	5-10 foot	Chromium, lead, selenium	---	---	Arsenic	Arsenic
	10-15 foot	Chromium, lead	---	---	Arsenic	Arsenic
SSBR-18	1-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---

Table 25 - Soil Sample Part 375 Soil Cleanup Objectives Exceedances
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Boring Location	Sample Depth (ft-bgs)	NYSDEC Part 375 Soil Cleanup Objectives				
		Unrestricted Use	Residential	Restricted-Res	Commercial	Industrial
SSBR-19	1-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
SSBR-20	1-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
SSBR-21	1-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
SBFT-1	0-5 foot	Acetone, chromium, lead, p,p'-DDD, p,p'-DDT	---	---	---	---
	5-10 foot	Chromium, p,p'-DDD	---	---	---	---
	10-15 foot	Chromium	Chromium	---	Arsenic	Arsenic
SBFT-2	0-5 foot	Chromium, mercury	---	---	---	---
	5-10 foot	Chromium, copper, lead, mercury, p,p'-DDE silver, zinc	Chromium	---	Arsenic	Arsenic
	10-15 foot	Chromium	---	---	---	---
SBFT-3	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium, copper	Chromium	---	---	---
SBFT-4	0-5 foot	Chromium	---	---	---	---
SBFT-5	0-5 foot	Arochlor-1248, Arochlor-1254, chromium, dieldrin, p,p'-DDD, p-p'-DDE, and p,p'-DDT, lead, mercury	---	---	---	---
	5-10 foot	Chromium, lead, p,p'-DDD, silver	---	Chromium	---	---
	10-15 foot	Chromium	Chromium	---	---	---
	15-20 foot	Chromium, copper	---	---	---	---
SBFT-6	0-5 foot	Chromium	Chromium	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
SBFT-7	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium, p,p'-DDD	---	---	---	---
SBFT-8	0-5 foot	Chromium, p,p'-DDE, p,p'-DDT	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
SBFT-9	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---

Table 25 - Soil Sample Part 375 Soil Cleanup Objectives Exceedances
Garvies Point/Herb Hill Road Reconstruction, Glen Cove, New York

Boring Location	Sample Depth (ft-bgs)	NYSDEC Part 375 Soil Cleanup Objectives				
		Unrestricted Use	Residential	Restricted-Res	Commercial	Industrial
SBFT-10	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
SBFT-11	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Arsenic, chromium, copper	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
	15-20 foot	Chromium	---	---	---	---
	20-25 foot	Chromium	---	---	---	---
SBFT-12	0-5 foot	Arochlor-1254, chromium (total), lead, mercury, p,p'-DDD, p-p'-DDE, and p,p'-DDT, silver	---	---	Arsenic	Arsenic
SBFT-13	0-5 foot	Chromium	---	---	---	---
SBFT-14	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium, copper	Chromium	---	---	---
	10-15 foot	Chromium	---	---	---	---
SBFT-15	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
SBFT-16	0-5 foot	Chromium	---	---	---	---
	5-10 foot	Chromium	---	---	---	---
	10-15 foot	Chromium	---	---	---	---
SBFT-17	0-5 foot	Acetone and chromium	---	---	Copper	---
SBFT-18	0-5 foot	Chromium	---	---	---	---
SBFT-19	0-5 foot	Arochlor-1260, chromium, dieldrin, p,p'-DDE, lead, zinc	Chromium	---	Arochlor-1248, Arochlor-1254	Arochlor-1248, Arochlor-1254
	5-10 foot	Arochlor-1260, chromium, dieldrin, p,p'-DDE, lead, mercury, zinc	Chromium	---	Arochlor-1248, Arochlor-1254	Arochlor-1248, Arochlor-1254
SBOF-2	0-5 foot	Chromium and p-p'-DDT	---	---	---	---

FIGURES

Source: 1984 US Geological Survey and National Ocean Service Long Island West 1:100000-scale metric topographic-bathymetric map

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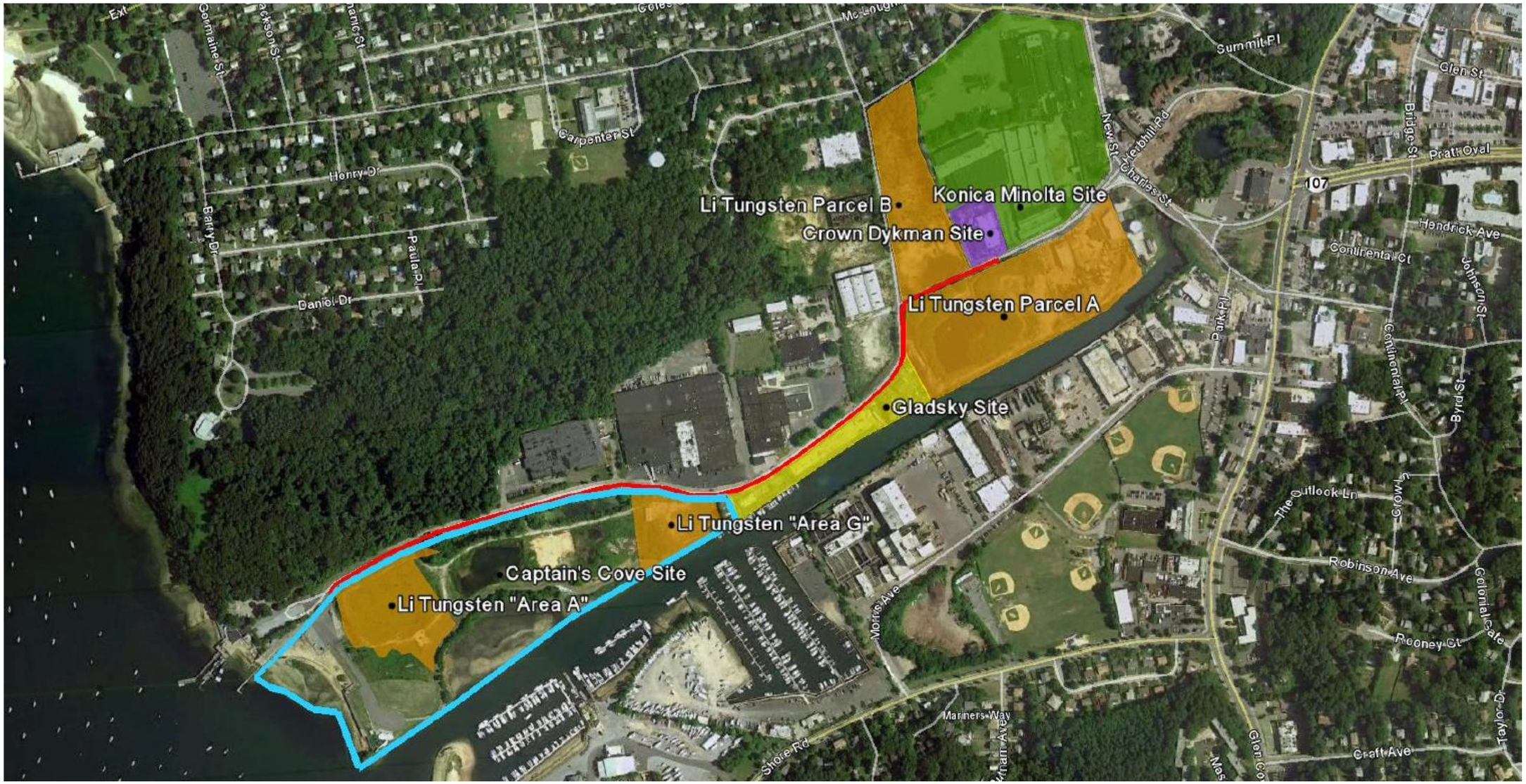
FIGURE 1 – SITE LOCATION MAP
HERB HILL/GARVIES POINT ROAD RECONSTRUCTION PROJECT
GLEN COVE, NEW YORK



KEY

SITE BOUNDARY

FIGURE 2 – SITE LOCATION
HERB HILL ROAD AND GARVIES POINT ROAD
RECONSTRUCTION PROJECT SITE

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0 80
Scale In Feet

SOIL BORING LOCATION PLAN

CITY OF GLEN COVE
GARVIES POINT ROAD

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FIGURE 3 (PAGE 2 OF 4)

0 80

Scale In Feet

SOIL BORING LOCATION PLAN

CITY OF GLEN COVE

GARVIES POINT ROAD

SOIL BORING LOCATION PLAN

CITY OF GLEN COVE

GARVIES POINT ROAD

0 80
Scale In Feet

SOIL BORING LOCATION PLAN

CITY OF GLEN COVE
GARVIES POINT ROAD

APPENDIX A

SOIL BORING LOGS

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-1	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/21/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 1	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 10' Approx. Depth to Water: 8.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.2	0	SSBR-1 (0-5)	0-2'	Dry	12//12	Dark Brown C SAND, trace M Gravel, some Silt	No odor, no staining
1	0.0			1-2'	Dry	12//12		
2	0.3			2-3'	Dry	12/12		
3	0.1			3-4'	Dry	12/12		
4	2.3			4-5'	Dry	12/12		
5	2.1	0	SSBR-1 (5-10)	5-6'	Dry	12/12	Dark Brown SILT, trace F Gravel	No odor, no staining
6	2.7			6-7'	Dry	12/12		
7	3.8			7-8'	Moist	12/12		
8	3.4			8-9'	Wet	12/12	GW	
9	3.1			9-10'	Wet	12/12		
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-2	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1 10/21/2014	
Site Location: Garvies Point / Herb Hill Road	Date:	
Drilling Co: AB Environmental Method: Geoprobe Personnel: C. Wunsch, P. Papamichael Total Depth: 10' Approx. Depth to Water: 9.5'	Location of boring (not to scale) Supplementary Soil Boring 2	

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0	0	SSBR-2 (0-5)	0-1'	Dry	12//12	Brown to Dark M SAND, trace Brick, trace M Gravel	No odor, no staining
1	0.2			1-2'	Dry	12//12		
2	0.1			2-3'	Dry	12/12		
3	0.4			3-4'	Dry	12/12		
4	0.1			4-5'	Dry	12/12		
5	0.0	0	SSBR-2 (5-10)	5-6'	Dry	12/12	Brown to Dark M SAND, trace M Gravel, trace Concrete	No odor, no staining
6	0.0			6-7'	Dry	12/12		
7	0.0			7-8'	Dry	12/12		
8	0.0			8-9'	Moist	12/12		
9	0.0			9-10'	Wet	12/12	GW	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-3	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/21/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 3	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 10' Approx. Depth to Water: 9.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0	0	SSBR-3 (0-5)	0-1'	Dry	12/12	Dark brown F-M SAND, trace M Gravel	No odor, no staining
1	0.0			1-2'	Dry	12//12		
2	0.0			2-3'	Dry	12/12		
3	0.0			3-4'	Dry	12/12		
4	0.0			4-5'	Dry	12/12		
5	0.0	0	SSBR-3 (5-10)	5-6'	Dry	12/12	Dark brown F SAND, some Clay	No odor, no staining
6	0.0			6-7'	Dry	12/12		
7	0.0			7-8'	Dry	12/12		
8	0.0			8-9'	Dry	12/12		
9	0.0			9-10'	Wet	12/12	GW	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-4	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/21/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 4	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 15' Approx. Depth to Water: 9.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.7	20	SSBR-4 (0-5)	0-1'	Dry	12//12	Red F-M SAND, trace M Gravel	No odor, no staining
1	0.9			1-2'	Dry	12/12		
2	0.6			2-3'	Dry	12/12		
3	2.0			3-4'	Dry	12/12		
4	0.7			4-5'	Dry	12/12		
5	0.6	20	SSBR-4 (5-10)	5-6'	Dry	12/12	Reddish brown SILT, some Clay	No odor, no staining
6	0.5			6-7'	Dry	12/12		
7	0.6			7-8'	Dry	12/12		
8	0.2			8-9'	Moist	12/12		
9	0.1			9-10'	Wet	12/12	GW	
10	0.0	20	SSBR-4 (10-15)	10-11'	Wet	12/12	Light brown CLAY	No odor, no staining
11	0.0			11-12'	Wet	12/12		
12	0.0			12-13'	Wet	12/12		
13	0.0			13-14'	Wet	12/12		
14	0.0			14-15'	Wet	12/12		
15								
16								
17								
18								
19								
20								

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-5	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/21/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 5	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 15' Approx. Depth to Water: 8.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.0	20	SSBR-5 (0-5)	0-1'	Dry	12//12	Dark Brown F SAND, trace Silt, some Rock	No odor, no staining
1	0.1			1-2'	Dry	12//12		
2	0.1			2-3'	Dry	12/12		
3	0.0			3-4'	Dry	12/12		
4	0.3			4-5'	Dry	12/12		
5	0.2	20	SSBR-5 (5-10)	5-6'	Dry	12/12	Dark Brown F SAND, trace Silt, trace Clay	No odor, no staining
6	0.2			6-7'	Dry	12/12		
7	0.4			7-8'	Moist	12/12		
8	0.1			8-9'	Wet	12/12	GW	
9	0.1			9-10'	Wet	12/12		
10	0.3	20	SSBR-5 (10-15)	10-11'	Wet	12/12	Brown Silty CLAY	No odor, no staining
11	0.1			11-12'	Wet	12/12		
12	0.1			12-13'	Wet	12/12		
13	0.2			13-14'	Wet	12/12		
14	0.1			14-15'	Wet	12/12		
15								
16								
17								
18								
19								
20								

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-6	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/21/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 6	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 20' Approx. Depth to Water: 9.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0	20	SSBR-6 (0-5)	0-1'	Dry	12//12	Dark Brown SAND, trace Silt and F Gravel	No odor, no staining
1	0.2			1-2'	Dry	12//12		
2	0.1			2-3'	Dry	12/12		
3	0.0			3-4'	Dry	12/12		
4	0.1			4-5'	Dry	12/12		
5	0.3	20	SSBR-6 (5-10)	5-6'	Dry	12/12	Dark Brown Silty CLAY	No odor, no staining
6	0.7			6-7'	Dry	12/12		
7	0.4			7-8'	Dry	12/12		
8	0.5			8-9'	Dry	12/12		
9	0.4			9-10'	Wet	12/12	GW	
10	0.0	20	SSBR-6 (10-15)	10-11'	Wet	12/12	Dark Brown Silty CLAY	No odor, no staining
11	0.0			11-12'	Wet	12/12		
12	0.0			12-13'	Wet	12/12		
13	0.0			13-14'	Wet	12/12		
14	0.0			14-15'	Wet	12/12		
15	0.0	20	SSBR-6 (15-20)	15-16'	Wet	12/12	Light grey to red CLAY	No odor, no staining
16	0.0			16-17'	Wet	12/12		
17	0.0			17-18'	Wet	12/12		
18	0.0			18-19'	Wet	12/12		
19	0.0			19-20'	Wet	12/12		
20								

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-7	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/22/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 7	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 20' Approx. Depth to Water: 9.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.6	0	SSBR-7 (0-5)	0-1'	Dry	Dry	Dark brown SILT, some Clay	No odor, no staining
1	0.8			1-2'	Dry	Dry		
2	1.2			2-3'	Dry	12/12		
3	1.7			3-4'	Dry	12/12		
4	1.3			4-5'	Dry	12/12		
5	1.1	0	SSBR-7 (5-10)	5-6'	Dry	12/12	Dark brown SILT, some Clay	No odor, no staining
6	0.9			6-7'	Dry	12/12		
7	0.6			7-8'	Dry	12/12		
8	0.5			8-9'	Moist	12/12		
9	0.5			9-10'	Wet	12/12	GW	
10	3.1	0	SSBR-7 (10-15)	10-11'	Wet	12/12	Dark brown SILT, some Clay	No odor, no staining
11	3.7			11-12'	Wet	12/12		
12	4.1			12-13'	Wet	12/12		
13	3.6			13-14'	Wet	12/12		
14	3.1			14-15'	Wet	12/12		
15	2.4	0	SSBR-7 (15-20)	15-16'	Wet	12/12	Dark brown SILT, some Clay	No odor, no staining
16	2.1			16-17'	Wet	12/12		
17	1.6			17-18'	Wet	12/12		
18	1.3			18-19'	Wet	12/12		
19	1.1			19-20'	Wet	12/12		
20								

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-8	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/22/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 8	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 20' Approx. Depth to Water: 9.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	1.2	0	SSBR-8 (0-5)	0-1'	Dry	12//12	Medium brown SILT	No odor, no staining
1	1.6			1-2'	Dry	12//12		
2	1.9			2-3'	Dry	12/12		
3	2.1			3-4'	Dry	12/12		
4	1.4			4-5'	Dry	12/12		
5	1.7	0	SSBR-8 (5-10)	5-6'	Dry	12/12	Medium brown SILT	No odor, no staining
6	1.9			6-7'	Dry	12/12		
7	3.1			7-8'	Dry	12/12		
8	1.2			8-9'	Moist	12/12		
9	1.0			9-10'	Wet	12/12	GW	
10	0.9	0	SSBR-8 (10-15)	10-11'	Wet	12/12	Medium brown SILT	No odor, no staining
11	0.7			11-12'	Wet	12/12		
12	0.4			12-13'	Wet	12/12		
13	0.3			13-14'	Wet	12/12		
14	0.3			14-15'	Wet	12/12		
15	0.1	0	SSBR-8 (15-20)	15-16'	Wet	12/12	Medium brown SILT	No odor, no staining
16	0.1			16-17'	Wet	12/12		
17	0.0			17-18'	Wet	12/12		
18	0.1			18-19'	Wet	12/12		
19	0.1			19-20'	Wet	12/12		
20								

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-9	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/22/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 9	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 20' Approx. Depth to Water: 6-7'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.4	0	SSBR-9 (0-5)	0-1'	Dry	12//12	Light brown SILT, some M Sand, trace F Gravel	No odor, no staining
1	0.7			1-2'	Dry	12//12		
2	0.5			2-3'	Dry	12/12		
3	0.5			3-4'	Dry	12/12		
4	0.5			4-5'	Dry	12/12		
5	1.1	0	SSBR-9 (5-10)	5-6'	Moist	12/12	Grey SILT, some M Sand, some F Gravel	No odor, no staining
6	1.6			6-7'	Wet	12/12	GW	
7	0.9			7-8'	Wet	12/12		
8	0.8			8-9'	Wet	12/12		
9	0.7			9-10'	Wet	12/12		
10	0.5	0	SSBR-9 (10-15)	10-11'	Wet	12/12	Medium brown C SAND, some Silt	No odor, no staining
11	0.3			11-12'	Wet	12/12		
12	0.2			12-13'	Wet	12/12		
13	0.6			13-14'	Wet	12/12		
14	0.4			14-15'	Wet	12/12		
15	0.2	0	SSBR-9 (15-20)	15-16'	Wet	12/12	Medium brown SILT, some F Sand	No odor, no staining
16	0.1			16-17'	Wet	12/12		
17	0.1			17-18'	Wet	12/12		
18	0.2			18-19'	Wet	12/12		
19	0.2			19-20'	Wet	12/12		
20								

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-10	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/22/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 10	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 20' Approx. Depth to Water: 10.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.5	0	SSBR-10 (0-5)	0-1'	Dry	12//12	Dark Brown M SAND and SILT, trace F Gravel, trace Asphalt	No odor, no staining
1	0.4			1-2'	Dry	12//12		
2	0.4			2-3'	Dry	12/12		
3	0.6			3-4'	Dry	12/12		
4	0.4			4-5'	Dry	12/12		
5	0.2	0	SSBR-10 (5-10)	5-6'	Dry	12/12	Dark Brown CLAY and SILT, trace F Gravel	No odor, no staining
6	0.3			6-7'	Dry	12/12		
7	0.7			7-8'	Dry	12/12		
8	10.3			8-9'	Dry	12/12		
9	8.7			9-10'	Dry	12/12		
10	6.1	0	SSBR-10 (10-15)	10-11'	Wet	12/12	Dark Brown SILT, trace Clay, trace F Gravel GW	No odor, no staining
11	5.3			11-12'	Wet	12/12		
12	2.1			12-13'	Wet	12/12		
13	0.9			13-14'	Wet	12/12		
14	0.8			14-15'	Wet	12/12		
15	0.4	0	SSBR-10 (15-20)	15-16'	Wet	12/12	Dark Brown SILT and CLAY, trace F Gravel	No odor, no staining
16	0.3			16-17'	Wet	12/12		
17	0.4			17-18'	Wet	12/12		
18	0.5			18-19'	Wet	12/12		
19	0.4			19-20'	Wet	12/12		
20								

SOIL BORING LOGS

Client: Garvies Point/Glen Cove		Boring No.: SSBR-11	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425		Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road		Date: 10/23/2014	
Drilling Co: AB Environmental		Location of boring (not to scale)	
Method: Geoprobe		Supplementary Soil Boring 11	
Personnel: C. Wunsch, P. Papamichael			
Total Depth: 25'	Approx. Depth to Water: 15-16'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.6	0	SSBR-11 (0-5)	0-1'	Dry	12//12	Dark Brown SAND, trace M Gravel trace Asphalt	Odor, no staining
1	0.0			1-2'	Dry	12//12		
2	0.7			2-3'	Dry	12/12		
3	11.7			3-4'	Dry	12/12		
4	10.6			4-5'	Dry	12/12		
5	0.0	0	SSBR-11 (5-10)	5-6'	Dry	12/12	Dark Brown CLAY and SILT, trace F Sand	No odor, no staining
6	0.0			6-7'	Dry	12/12		
7	0.0			7-8'	Dry	12/12		
8	0.0			8-9'	Dry	12/12		
9	0.0			9-10'	Dry	12/12		
10	2.0	20	SSBR-11 (10-15)	10-11'	Dry	12/12	Dark Brown CLAY and SILT, trace concrete	No odor, no staining
11	2.0			11-12'	Dry	12/12		
12	1.6			12-13'	Dry	12/12		
13	0.9			13-14'	Dry	12/12		
14	0.6			14-15'	Dry	12/12		
15	0.2	20	SSBR-11 (15-20)	15-16'	Wet	12/12	Dark Brown SILT and C SAND, wet CLAY GW	No odor, no staining
16	0.1			16-17'	Wet	12/12		
17	0.1			17-18'	Wet	12/12		
18	0.0			18-19'	Wet	12/12		
19	0.0			19-20'	Wet	12/12		
20	0.0	0	SSBR-11 (20-25)	20-21'	Wet	12/12	Dark Brown CLAY, trace Silt	No odor, no staining

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-11	Gannett Fleming Engineers, P.C. 100 Crossways Park W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 2 of 2	
Site Location: Garvies Point / Herb Hill Road	Date: 10/23/2014	

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
21	0.0			21-22'	Wet	12/12		
22	0.0			22-23'	Wet	12/12		
23	0.0			23-24'	Wet	12/12		
24	0.0			24-25'	Wet	12/12		
25								
26								
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-12	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 2	
Site Location: Garvies Point / Herb Hill Road	Date: 10/23/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 12	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 25' Approx. Depth to Water: 9-10'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	3.6	0	SSBR-12 (1-5)	0-1'	Dry	12//12	Dark Brown C SAND, SILT, CLAY, trace Aspha	No odor, no staining
1	2.1			1-2'	Dry	12//12		
2	1.4			2-3'	Dry	12/12		
3	0.9			3-4'	Dry	12/12		
4	0.8			4-5'	Dry	12/12		
5	0.4	0	SSBR-12 (5-10)	5-6'	Dry	12/12	Dark Brown CLAY, SILT, and C SAND	No odor, no staining
6	0.3			6-7'	Dry	12/12		
7	0.1			7-8'	Dry	12/12		
8	0.1			8-9'	Dry	12/12		
9	0.1			9-10'	Wet	12/12	GW	
10	0.2	0	SSBR-12 (10-15)	10-11'	Wet	12/12	Dark Brown C SAND, CLAY, and SILT	No odor, no staining
11	0.0			11-12'	Wet	12/12		
12	0.1			12-13'	Wet	12/12		
13	0.0			13-14'	Wet	12/12		
14	0.0			14-15'	Wet	12/12		
15	0.1	0	SSBR-12 (15-20)	15-16'	Wet	12/12	Dark Brown C SAND, ROCK, CLAY, and SILT	No odor, no staining
16	0.1			16-17'	Wet	12/12		
17	0.0			17-18'	Wet	12/12		
18	0.0			18-19'	Wet	12/12		
19	0.0			19-20'	Wet	12/12		
20	0.0	0	SSBR-12 (20-25)	20-21'	Wet	12/12	CLAY and SILT	No odor, no staining

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-12	Gannett Fleming Engineers, P.C. 100 Crossways Park W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 2 of 2	
Site Location: Garvies Point / Herb Hill Road	Date: 10/23/2014	

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
21	0.0			21-22'	Wet	12/12		
22	0.0			22-23'	Wet	12/12		
23	0.0			23-24'	Wet	12/12		
24	0.0			24-25'	Wet	12/12		
25								
26								
27								
28								
29								
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove		Boring No.: SSBR-13	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425		Sheet 1 of 2	
Site Location: Garvies Point / Herb Hill Road		Date: 10/8/2014	
Drilling Co: AB Environmental		Location of boring (not to scale)	
Method: Geoprobe		Supplementary Soil Boring 13	
Personnel: C. Wunsch, P. Papamichael			
Total Depth: 25'	Approx. Depth to Water: 7.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1	26.5	20	SSBR-13 (1-5)	1-2'	Dry	12//12	Dark Brown M SAND, trace Rock, trace Gravel	Odor, no staining
2	33.2			2-3'	Dry	12/12		
3	47.6			3-4'	Dry	12/12		
4	43.8			4-5'	Dry	12/12		
5	15.6	30	SSBR-13 (5-10)	5-6'	Wet	12/12	Dark Brown M SAND and CLAY, some Silt GW	No odor, no staining
6	19.1			6-7'	Wet	12/12		
7	17.9			7-8'	Wet	12/12	GW	
8	3.6			8-9'	Wet	12/12		
9	2.1			9-10'	Wet	12/12		
10	0.0	20	SSBR-13 (10-15)	10-11'	Wet	12/12	Dark Brown CLAY, some Silt	No odor, no staining
11	0.1			11-12'	Wet	12/12		
12	0.0			12-13'	Wet	12/12		
13	0.0			13-14'	Wet	12/12		
14	0.0			14-15'	Wet	12/12		
15	0.3	20	SSBR-13 (15-20)	15-16'	Wet	12/12	Dark Brown CLAY and SILT	No odor, no staining
16	0.1			16-17'	Wet	12/12		
17	0.0			17-18'	Wet	12/12		
18	0.1			18-19'	Wet	12/12		
19	0.4			19-20'	Wet	12/12		
20	0.0	20	SSBR-13 (20-25)	20-21'	Wet	12/12	Medium Brown CLAY and Silt	No odor, no staining

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-13	Gannett Fleming Engineers, P.C. 100 Crossways Park W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 2 of 2	
Site Location: Garvies Point / Herb Hill Road	Date: 10/8/2014	

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
21	0.2			21-22'	Wet	12/12		
22	0.0			22-23'	Wet	12/12		
23	0.1			23-24'	Wet	12/12		
24	0.0			24-25'	Wet	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove		Boring No.: SSBR-14	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425		Sheet 1 of 2	
Site Location: Garvies Point / Herb Hill Road		Date: 10/7/2014	
Drilling Co: AB Environmental		Location of boring (not to scale)	
Method: Geoprobe		Supplementary Soil Boring 14	
Personnel: C. Wunsch, P. Papamichael			
Total Depth: 25'	Approx. Depth to Water: 6.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1	0.0	40	SSBR-14 (1-5)	1-2'	Dry	12//12	Dark Brown SILT, some F Gravel	No odor, no staining
2	0.0			2-3'	Dry	12/12		
3	0.3			3-4'	Dry	12/12		
4	0.2			4-5'	Dry	12/12		
5	0.0	0	SSBR-14 (5-10)	5-6'	Dry	12/12	Light Grey CLAY	No odor, no staining
6	0.0			6-7'	Wet	12/12	GW	
7	0.0			7-8'	Wet	12/12		
8	0.0			8-9'	Wet	12/12		
9	0.0			9-10'	Wet	12/12		
10	0.0	60	SSBR-14 (10-15)	10-11'	Wet	12/12	Medium Brown CLAY and Silt	No odor, no staining
11	0.0			11-12'	Wet	12/12		
12	0.0			12-13'	Wet	12/12		
13	0.0			13-14'	Wet	12/12		
14	0.0			14-15'	Wet	12/12		
15	0.0	80	SSBR-14 (15-20)	15-16'	Wet	12/12	Medium Brown CLAY and Silt	No odor, no staining
16	0.0			16-17'	Wet	12/12		
17	0.0			17-18'	Wet	12/12		
18	0.0			18-19'	Wet	12/12		
19	0.0			19-20'	Wet	12/12		
20	0.0	60	SSBR-14 (20-25)	20-21'	Wet	12/12	Medium Brown CLAY and Silt	No odor, no staining

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-14	Gannett Fleming Engineers, P.C. 100 Crossways Park W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 2 of 2	
Site Location: Garvies Point / Herb Hill Road	Date: 10/7/2014	

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
21	0.0			21-22'	Wet	12/12		
22	0.0			22-23'	Wet	12/12		
23	0.0			23-24'	Wet	12/12		
24	0.0			24-25'	Wet	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-15	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 2	
Site Location: Garvies Point / Herb Hill Road	Date: 10/7/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 15	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 25' Approx. Depth to Water: 6.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1	0.0	20	SSBR-15 (1-5)	1-2'	Dry	12//12	Light Grey to Medium Brown to Dark Brown SILT, some F Sand	No, odor, some staining
2	0.0			2-3'	Dry	12/12		
3	0.0			3-4'	Dry	12/12		
4	0.0			4-5'	Dry	12/12		
5	0.0	40	SSBR-15 (5-10)	5-6'	Moist	12/12	Light Brown to Red SILT, some Clay	No odor, no staining
6	0.0			6-7'	Wet	12/12	GW	
7	0.0			7-8'	Wet	12/12		
8	0.2			8-9'	Wet	12/12		
9	0.0			9-10'	Wet	12/12		
10	0.0	60	SSBR-15 (10-15)	10-11'	Wet	12/12	Light Brown CLAY	No odor, no staining
11	0.0			11-12'	Wet	12/12		
12	0.0			12-13'	Wet	12/12		
13	0.0			13-14'	Wet	12/12		
14	0.0			14-15'	Wet	12/12		
15	0.0	60	SSBR-15 (15-20)	15-16'	Wet	12/12	Light Brown CLAY, some F Sand	No odor, no staining
16	0.0			16-17'	Wet	12/12		
17	0.0			17-18'	Wet	12/12		
18	0.0			18-19'	Wet	12/12		
19	0.0			19-20'	Wet	12/12		
20	0.0	100	SSBR-15 (20-25)	20-21'	Wet	12/12	Light Brown SILT, some Clay	No odor, no staining

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-15	Fleming Engineers, P.C. ssways Park W Ste 300
Project # : 59425	Sheet 2 of 2	Woodbury, NY 11797
Site Location: Garvies Point / Herb Hill Road	Date: 10/7/2014	(516) 364-4140

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
21	0.0			21-22'	Wet	12/12		
22	0.0			22-23'	Wet	12/12		
23	0.0			23-24'	Wet	12/12		
24	0.0			24-25'	Wet	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-16	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/7/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 16	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 15' Approx. Depth to Water: 8.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1	0.0	0	SSBR-16 (1-5)	1-2'	Dry	12//12	Dark Brown F-M SAND, trace Concrete	No odor, no staining
2	0.0			2-3'	Dry	12/12		
3	0.0			3-4'	Dry	12/12		
4	0.0			4-5'	Dry	12/12		
5	0.0	0	SSBR-16 (5-10)	5-6'	Dry	12/12	Dark Brown F-M SAND, trace M Gravel	No odor, no staining
6	0.0			6-7'	Dry	12/12		
7	0.0			7-8'	Dry	12/12		
8	0.0			8-9'	Wet	12/12	GW	
9	0.0			9-10'	Wet	12/12		
10	0.0	20	SSBR-16 (10-15)	10-11'	Wet	12/12	Dark Brown F-M Sand, trace M Gravel	No odor, no staining
11	0.0			11-12'	Wet	12/12		
12	0.0			12-13'	Wet	12/12		
13	0.0			13-14'	Wet	12/12		
14	0.0			14-15'	Wet	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-17	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/7/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 17	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 15' Approx. Depth to Water: 6.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1	0.8	0	SSBR-17 (1-5)	1-2'	Dry	12//12	Dark Brown CLAY, some F-M Sand	No odor, no staining
2	0.0			2-3'	Dry	12/12		
3	0.0			3-4'	Dry	12/12		
4	0.0			4-5'	Dry	12/12		
5	0.1	20	SSBR-17 (5-10)	5-6'	Dry	12/12	Dark Brown CLAY, some F-M Sand	No odor, no staining
6	0.1			6-7'	Wet	12/12	GW	
7	0.3			7-8'	Wet	12/12		
8	0.0			8-9'	Wet	12/12		
9	0.0			9-10'	Wet	12/12		
10	0.0	20	SSBR-17 (10-15)	10-11'	Wet	12/12	Dark Brown SILT, trace F Gravel	No odor, no staining
11	0.0			11-12'	Wet	12/12		
12	0.0			12-13'	Wet	12/12		
13	0.0			13-14'	Wet	12/12		
14	0.0			14-15'	Wet	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-18	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/6/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 18	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 15' Approx. Depth to Water: 7.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1	0.0	40	SSBR-18 (1-5)	1-2'	Dry	12//12	Light Grey F-M SAND, some Clay, trace F Gravel	No odor, no staining
2	0.1			2-3'	Dry	12/12		
3	0.0			3-4'	Dry	12/12		
4	0.1			4-5'	Dry	12/12		
5	0.0	30	SSBR-18 (5-10)	5-6'	Dry	12/12	Light grey F-M SAND, trace Concrete	No odor, no staining
6	0.0			6-7'	Dry	12/12		
7	0.0			7-8'	Wet	12/12	GW	
8	0.0			8-9'	Wet	12/12		
9	0.2			9-10'	Wet	12/12		
10	0.0	60	SSBR-18 (10-15)	10-11'	Wet	12/12	Light Grey F-M SAND, some Clay	No odor, no staining
11	0.0			11-12'	Wet	12/12		
12	0.0			12-13'	Wet	12/12		
13	0.0			13-14'	Wet	12/12		
14	0.0			14-15'	Wet	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-19	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/6/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 19	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 15' Approx. Depth to Water: 5.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1	0.2	0	SSBR-19 (1-5)	1-2'	Dry	12//12	Light grey F-M SAND, trace M Gravel	No odor, no staining
2	0.0			2-3'	Dry	12/12		
3	0.0			3-4'	Dry	12/12		
4	0.0			4-5'	Dry	12/12		
5	0.0	0	SSBR-19 (5-10)	5-6'	Wet	12/12	Dark Brown SILT, some M Gravel GW	No odor, no staining
6	0.0			6-7'	Wet	12/12		
7	0.0			7-8'	Wet	12/12		
8	0.0			8-9'	Wet	12/12		
9	0.0			9-10'	Wet	12/12		
10	0.0	20	SSBR-19 (10-15)	10-11'	Wet	12/12	Dark Brown SILT, some M Gravel	No odor, no staining
11	0.0			11-12'	Wet	12/12		
12	0.0			12-13'	Wet	12/12		
13	0.0			13-14'	Wet	12/12		
14	0.0			14-15'	Wet	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-20	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/6/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Supplementary Soil Boring 20	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 15' Approx. Depth to Water: 7.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1	0.0	0	SSBR-20 (1-5)	1-2'	Moist	12//12	Light grey F-M SAND, trace M Gravel	No odor, no staining
2	0.0			2-3'	Moist	12/12		
3	0.0			3-4'	Moist	12/12		
4	0.1			4-5'	Moist	12/12		
5	0.1	40	SSBR-20 (5-10)	5-6'	Dry	12/12	Black CLAY, some M Sand	No odor, no staining
6	0.0			6-7'	Dry	12/12		
7	0.0			7-8'	Wet	12/12	GW	
8	0.0			8-9'	Wet	12/12		
9	0.0			9-10'	Wet	12/12		
10	0.0	20	SSBR-20 (10-15)	10-11'	Wet	12/12	Black CLAY	No odor, no staining
11	0.0			11-12'	Wet	12/12		
12	0.0			12-13'	Wet	12/12		
13	0.0			13-14'	Wet	12/12		
14	0.2			14-15'	Wet	12/12	Black SILT	
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SSBR-21	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/6/2014	
Drilling Co: AB Environmental Method: Geoprobe Personnel: C. Wunsch, P. Papamichael Total Depth: 15' Approx. Depth to Water: 9.5'	Location of boring (not to scale) Supplementary Soil Boring 21	

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1	0.0	0	SSBR-21 (1-5)	1-2'	Dry	12//12	Light grey F-M SAND, trace M Gravel	No odor, no staining
2	0.0			2-3'	Dry	12/12		
3	0.0			3-4'	Dry	12/12		
4	0.1			4-5'	Dry	12/12		
5	0.0	20	SSBR-21 (5-10)	5-6'	Dry	12/12	Light grey F-M SAND, trace M Gravel	No odor, no staining
6	0.0			6-7'	Dry	12/12		
7	0.0			7-8'	Dry	12/12		
8	0.0			8-9'	Moist	12/12		
9	0.0			9-10'	Wet	12/12	GW	
10	0.0	20	SSBR-21 (10-15)	10-11'	Wet	12/12	Light Brown F-M SAND, trace M Gravel	No odor, no staining
11	0.0			11-12'	Wet	12/12		
12	0.0			12-13'	Wet	12/12		
13	0.0			13-14'	Wet	12/12		
14	0.0			14-15'	Wet	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBOF-1	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 10/21/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Out Falls 1	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 5' Approx. Depth to Water: N/A		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0	0	SBOF-1 (0-5)	0-1'	Dry	12/12	Light brown, F-M SAND, some M Gravel	No odor, no staining
1	0.1			1-2'	Dry	12//12		
2	4.0			2-3'	Dry	12/12		
3	2.8			3-4'	Dry	12/12		
4	9.1			4-5'	Dry	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBOF-2	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/19/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Out Falls 2	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 5' Approx. Depth to Water: N/A		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0	10	SBOF-2 (0-5)	0-1'	Dry	12/12	Light brown, F-M SAND	No odor, no staining
1	0.1			1-2'	Dry	12//12		
2	0.3			2-3'	Dry	12/12		
3	0.2			3-4'	Dry	12/12		
4	0.1			4-5'	Dry	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-1	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/17/2014	

Drilling Co: AB Environmental
Method: Geoprobe
Personnel: C. Wunsch, P. Papamichael
Total Depth: 15' Approx. Depth to Water: 9.5'

Location of boring (not to scale)
Soil Boring Fee Takings 1

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0	10	SBFT-1 (0-5)	0-1'	Dry	12/12	Dark brown, F-M SAND, trace Gravel	No odor, no staining
1	0.1			1-2'	Dry	12//12		
2	0.2			2-3'	Dry	12/12		
3	0.2			3-4'	Dry	12/12		
4	0.4			4-5'	Dry	12/12		
5	0.2	20	SBFT-1 (5-10)	5-6'	Dry		Coarse SAND, some coarse to fine Silt, some concrete	No odor, no staining
6	0.2			6-7'	Dry			
7	0.3			7-8'	Dry			
8	0.1			8-9'	Moist			
9	0.2			9-10'	Wet		GW	
10	0.8	20	SBFT-1 (10-15)	10-11'	Wet		Black, CLAY, some Silty Clay	Odor, some staining
11	4.8			11-12'	Wet			
12	11.5			12-13'	Wet			
13	12.6			13-14'	Wet			
14	5.3			14-15'	Wet			
15								
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-2	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/17/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 2	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 15' Approx. Depth to Water: 9.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.3	20	SBFT-2 (0-5)	0-1'	Dry	12/12	Dark brown, F-M SAND, trace Gravel	No odor, no staining
1	0.6			1-2'	Dry	12//12		
2	0.3			2-3'	Dry	12/12		
3	0.1			3-4'	Dry	12/12		
4	0.2			4-5'	Dry	12/12		
5	0.3	20	SBFT-2 (5-10)	5-6'	Dry	12/12	Brown F-M SAND, some coarse to fine Sand, some silt	No odor, no staining
6	0.7			6-7'	Dry	12/12		
7	0.8			7-8'	Dry	12/12		
8	0.9			8-9'	Moist	12/12		
9	0.6			9-10'	Wet	12/12	GW	
10	0.7	10	SBFT-2 (10-15)	10-11'	Wet	12/12	Brown, CLAY, some Silty Clay	No odor, no staining
11	0.8			11-12'	Wet	12/12		
12	1.1			12-13'	Wet	12/12		
13	0.9			13-14'	Wet	12/12		
14	0.6			14-15'	Wet	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-3	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/17/2014	

Drilling Co: AB Environmental
Method: Geoprobe
Personnel: C. Wunsch, P. Papamichael
Total Depth: 10' Approx. Depth to Water: 8.5'

Location of boring (not to scale)
Soil Boring Fee Takings 3

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.3	20	SBFT-3 (0-5)	0-1'	Dry	12/12	Brown, F-M SAND, some fine Gravel, trace Silt	No odor, no staining
1	0.6			1-2'	Dry	12//12		
2	0.3			2-3'	Dry	12/12		
3	0.1			3-4'	Dry	12/12		
4	0.2			4-5'	Dry	12/12		
5	0.3	20	SBFT-3 (5-10)	5-6'	Dry	12/12	Brown F-M SAND, some coarse to fine Sand, some silt	No odor, no staining
6	0.7			6-7'	Dry	12/12		
7	0.8			7-8'	Dry	12/12		
8	0.9			8-9'	Wet	12/12	GW	
9	0.6			9-10'	Wet	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-4	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/17/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 4	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 5' Approx. Depth to Water: N/A		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.2	30	SBFT-4 (0-5)	0-1'	Dry	9/12	Brown, Coarse to Medium SAND, some fine Gravel	No odor, no staining
1	0.5			1-2'	Dry	12//12		
2	0.3			2-3'	Dry	12/12		
3	0.4			3-4'	Dry	12/12		
4	0.2			4-5'	Dry	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-5	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/17/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 5	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 20' Approx. Depth to Water: 9.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0	0	SBFT-5 (0-5)	0-1'	Dry	12//12	Brown M SAND, some Silt, trace F Gravel	No odor, no staining
1	0.3			1-2'	Dry	12//12		
2	0.2			2-3'	Dry	12/12		
3	0.1			3-4'	Dry	12/12		
4	0.1			4-5'	Dry	12/12		
5	0.2	0	SBFT-5 (5-10)	5-6'	Dry	12/12	Brown M SAND, some Clayey Silt, trace Silt	No odor, no staining
6	0.2			6-7'	Dry	12/12		
7	0.5			7-8'	Dry	12/12		
8	0.4			8-9'	Moist	12/12		
9	0.4			9-10'	Wet	12/12	GW	
10	0.3	0	SBFT-5 (10-15)	10-11'	Wet	12/12	Brown Silty CLAY	No odor, no staining
11	0.2			11-12'	Wet	12/12		
12	0.2			12-13'	Wet	12/12		
13	0.4			13-14'	Wet	12/12		
14	0.3			14-15'	Wet	12/12		
15	0.3	0	SBFT-5 (15-20)	15-16'	Wet	12/12	Dark Brown CLAY	No odor, no staining
16	0.2			16-17'	Wet	12/12		
17	0.1			17-18'	Wet	12/12		
18	0.2			18-19'	Wet	12/12		
19	0.1			19-20'	Wet	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-6	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/18/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 6	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 15' Approx. Depth to Water: 9.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.6	20	SBFT-6 (0-5)	0-1'	Dry	12//12	Dark Brown M SAND, some M Gravel	No odor, no staining
1	0.5			1-2'	Dry	12//12		
2	0.4			2-3'	Dry	12/12		
3	0.8			3-4'	Dry	12/12		
4	0.6			4-5'	Dry	12/12		
5	0.9	20	SBFT-6 (5-10)	5-6'	Dry	12/12	Brown M SAND, some Clayey Silt, trace Silt	No odor, no staining
6	0.7			6-7'	Dry	12/12		
7	0.6			7-8'	Dry	12/12		
8	0.5			8-9'	Moist	12/12		
9	0.3			9-10'	Wet	12/12	GW	
10	0.2	20	SBFT-6 (10-15)	10-11'	Wet	12/12	Brown Silty CLAY	No odor, no staining
11	0.3			11-12'	Wet	12/12		
12	0.2			12-13'	Wet	12/12		
13	0.2			13-14'	Wet	12/12		
14	0.2			14-15'	Wet	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-7	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/18/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 7	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 10' Approx. Depth to Water: 9.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.9	10	SBFT-7 (0-5)	0-1'	Dry	12/12	Dark Brown M SAND, some M Gravel	No odor, no staining
1	0.8			1-2'	Dry	12/12		
2	0.4			2-3'	Dry	12/12		
3	0.4			3-4'	Dry	12/12		
4	0.3			4-5'	Dry	12/12		
5	0.3	20	SBFT-7 (5-10)	5-6'	Dry	12/12	Brown M SAND, trace Silt	No odor, no staining
6	0.5			6-7'	Dry	12/12		
7	0.3			7-8'	Dry	12/12		
8	0.3			8-9'	Moist	12/12		
9	0.2			9-10'	Wet	12/12	GW	
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-8	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/18/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 8	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 10' Approx. Depth to Water: N/A		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.5	0	SBFT-8 (0-5)	0-1'	Dry	12/12	Dark Brown M SAND, trace F Gravel	No odor, no staining
1	0.6			1-2'	Dry	12/12		
2	0.5			2-3'	Dry	12/12		
3	0.4			3-4'	Dry	12/12		
4	0.4			4-5'	Dry	12/12		
5	0.4	10	SBFT-8 (5-10)	5-6'	Dry	12/12	Brown M SAND, trace Silt	No odor, no staining
6	0.6			6-7'	Dry	12/12		
7	0.5			7-8'	Dry	12/12		
8	0.3			8-9'	Dry	12/12		
9	0.3			9-10'	Dry	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-9	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/18/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 9	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 10' Approx. Depth to Water: N/A		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.4	10	SBFT-9 (0-5)	0-1'	Dry	12/12	Dark Brown M SAND, some F-M Gravel	No odor, no staining
1	0.7			1-2'	Dry	12/12		
2	0.8			2-3'	Dry	12/12		
3	1.3			3-4'	Dry	12/12		
4	1.0			4-5'	Dry	12/12		
5	0.9	20	SBFT-9 (5-10)	5-6'	Dry	12/12	Brown M SAND, trace Silt, trace F-M Gravel	No odor, no staining
6	0.8			6-7'	Dry	12/12		
7	0.5			7-8'	Dry	12/12		
8	0.4			8-9'	Dry	12/12		
9	0.4			9-10'	Dry	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-10	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/18/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 10	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 10' Approx. Depth to Water: N/A		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0	20	SBFT-10 (0-5)	0-1'	Dry	12/12	Brown M SAND, some F-M Gravel	No odor, no staining
1	0.2			1-2'	Dry	12/12		
2	0.2			2-3'	Dry	12/12		
3	0.1			3-4'	Dry	12/12		
4	0.1			4-5'	Dry	12/12		
5	0.1	10	SBFT-10 (5-10)	5-6'	Dry	12/12	Brown M SAND, trace F-M Gravel	No odor, no staining
6	0.3			6-7'	Dry	12/12		
7	0.2			7-8'	Dry	12/12		
8	0.1			8-9'	Dry	12/12		
9	0.1			9-10'	Dry	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-11	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 2	
Site Location: Garvies Point / Herb Hill Road	Date: 11/18/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 11	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 25' Approx. Depth to Water: 9.5		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.6	20	SBFT-11 (0-5)	0-1'	Dry	12//12	Dark Brown SAND, some F-M Gravel	No odor, no staining
1	0.5			1-2'	Dry	12//12		
2	0.5			2-3'	Dry	12/12		
3	0.4			3-4'	Dry	12/12		
4	0.5			4-5'	Dry	12/12		
5	0.8	30	SBFT-11 (5-10)	5-6'	Dry	12/12	Light Brown SAND, some Clayey Silt,	No odor, no staining
6	0.8			6-7'	Dry	12/12		
7	0.9			7-8'	Dry	12/12		
8	1.6			8-9'	Moist	12/12		
9	0.9			9-10'	Wet	12/12	GW	
10	0.6	20	SBFT-11 (10-15)	10-11'	Wet	12/12	Medium Brown Silty CLAY, some coarse Sand	No odor, no staining
11	0.4			11-12'	Wet	12/12		
12	0.8			12-13'	Wet	12/12		
13	0.4			13-14'	Wet	12/12		
14	0.5			14-15'	Wet	12/12		
15	0.3	20	SBFT-11 (15-20)	15-16'	Wet	12/12	Medium Brown/Grey Silty CLAY	No odor, no staining
16	0.4			16-17'	Wet	12/12		
17	0.3			17-18'	Wet	12/12		
18	0.2			18-19'	Wet	12/12		
19	0.2			19-20'	Wet	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-11	Gannett Fleming Engineers, P.C. 100 Crossways Park W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 2 of 2	
Site Location: Garvies Point / Herb Hill Road	Date: 11/18/2014	

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.3	20	SBFT-11 (20-25)	20-21'	Wet	12/12	Grey CLAY, trace F Gravel	No odor, no staining
21	0.2			21-22'	Wet	12/12		
22	0.3			22-23'	Wet	12/12		
23	0.4			23-24'	Wet	12/12		
24	0.3			24-25'	Wet	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-12	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/18/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 12	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 5' Approx. Depth to Water: N/A		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.5	20	SBFT-12 (0-5)	0-1'	Dry	9/12	Brown, Coarse to Medium SAND, some F-M Gravel	No odor, no staining
1	0.6			1-2'	Dry	12//12		
2	0.4			2-3'	Dry	12/12		
3	0.4			3-4'	Dry	12/12		
4	0.3			4-5'	Dry	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-13	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/18/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 13	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 5' Approx. Depth to Water: N/A		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0	20	SBFT-13 (0-5)	0-1'	Dry	9/12	Light Brown, Coarse to Medium SAND, some F-M Gravel	No odor, no staining
1	0.1			1-2'	Dry	12//12		
2	0.2			2-3'	Dry	12/12		
3	0.1			3-4'	Dry	12/12		
4	0.1			4-5'	Dry	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-14	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/19/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 14	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 15' Approx. Depth to Water: 9.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.3	20	SBFT-14 (0-5)	0-1'	Dry	12//12	Dark Brown M SAND, some M Gravel	No odor, no staining
1	0.7			1-2'	Dry	12//12		
2	1.9			2-3'	Dry	12/12		
3	1.4			3-4'	Dry	12/12		
4	1.3			4-5'	Dry	12/12		
5	1.6	20	SBFT-14 (5-10)	5-6'	Dry	12/12	Brown M SAND, some Clayey Silt, trace Silt	No odor, no staining
6	1.9			6-7'	Dry	12/12		
7	1.7			7-8'	Dry	12/12		
8	1.3			8-9'	Moist	12/12		
9	0.8			9-10'	Wet	12/12	GW	
10	0.7	20	SBFT-14 (10-15)	10-11'	Wet	12/12	Brown/Grey Silty CLAY	No odor, no staining
11	0.7			11-12'	Wet	12/12		
12	0.6			12-13'	Wet	12/12		
13	0.5			13-14'	Wet	12/12		
14	0.5			14-15'	Wet	12/12		
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SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-15	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/19/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 15	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 15' Approx. Depth to Water: 9.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0	20	SBFT-15 (0-5)	0-1'	Dry	12//12	Dark Brown M SAND, some M Gravel	No odor, no staining
1	0.2			1-2'	Dry	12//12		
2	0.7			2-3'	Dry	12/12		
3	0.3			3-4'	Dry	12/12		
4	0.4			4-5'	Dry	12/12		
5	0.5	20	SBFT-15 (5-10)	5-6'	Dry	12/12	Brown M SAND, some Clayey Silt, trace Silt	No odor, no staining
6	0.8			6-7'	Dry	12/12		
7	0.6			7-8'	Dry	12/12		
8	0.7			8-9'	Moist	12/12		
9	0.5			9-10'	Wet	12/12	GW	
10	0.3	20	SBFT-15 (10-15)	10-11'	Wet	12/12	Brown/Grey Silty CLAY	No odor, no staining
11	0.2			11-12'	Wet	12/12		
12	0.1			12-13'	Wet	12/12		
13	0.1			13-14'	Wet	12/12		
14	0.1			14-15'	Wet	12/12		
15								
16								
17								
18								
19								
20								

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-16	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/19/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 16	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 15' Approx. Depth to Water: 8.5'		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.4	10	SBFT-16 (0-5)	0-1'	Dry	12//12	Dark Brown M SAND, some M Gravel	No odor, no staining
1	0.8			1-2'	Dry	12//12		
2	0.7			2-3'	Dry	12/12		
3	0.5			3-4'	Dry	12/12		
4	0.6			4-5'	Dry	12/12		
5	0.7	20	SBFT-16 (5-10)	5-6'	Dry	12/12	Brown M SAND, some Clayey Silt, trace Silt	No odor, no staining
6	0.9			6-7'	Dry	12/12		
7	0.8			7-8'	Moist	12/12		
8	0.9			8-9'	Wet	12/12	GW	
9	0.6			9-10'	Wet	12/12		
10	0.5	20	SBFT-16 (10-15)	10-11'	Wet	12/12	Brown/Grey Silty CLAY	No odor, no staining
11	0.8			11-12'	Wet	12/12		
12	1.1			12-13'	Wet	12/12		
13	0.7			13-14'	Wet	12/12		
14	0.4			14-15'	Wet	12/12		
15								
16								
17								
18								
19								
20								

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-17	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/19/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 17	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 5' Approx. Depth to Water: N/A		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.6	20	SBFT-17 (0-5)	0-1'	Dry	9/12	Brown M SAND, some F-M Gravel	No odor, no staining
1	0.8			1-2'	Dry	12//12		
2	0.5			2-3'	Dry	12/12		
3	0.4			3-4'	Dry	12/12		
4	0.9			4-5'	Dry	12/12		
5								
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8								
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10								
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12								
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15								
16								
17								
18								
19								
20								

SOIL BORING LOGS

Client: Garvies Point/Glen Cove	Boring No.: SBFT-18	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425	Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road	Date: 11/19/2014	
Drilling Co: AB Environmental	Location of boring (not to scale)	
Method: Geoprobe	Soil Boring Fee Takings 18	
Personnel: C. Wunsch, P. Papamichael		
Total Depth: 5' Approx. Depth to Water: N/A		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.9	20	SBFT-18 (0-5)	0-1'	Dry	9/12	Brown M SAND, some F-M Gravel	Odor, no staining
1	1.1			1-2'	Dry	12//12		
2	1.5			2-3'	Dry	12/12		
3	1.6			3-4'	Dry	12/12		
4	2.8			4-5'	Dry	12/12		
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15								
16								
17								
18								
19								
20								

SOIL BORING LOGS

Client: Garvies Point/Glen Cove		Boring No.: SBFT-19	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive W Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 59425		Sheet 1 of 1	
Site Location: Garvies Point / Herb Hill Road		Date: 11/19/2014	
Drilling Co: AB Environmental		Location of boring (not to scale)	
Method: Geoprobe		Soil Boring Fee Takings 19	
Personnel: C. Wunsch, P. Papamichael			
Total Depth: 10'	Approx. Depth to Water: N/A		

depth (feet)	PID (ppm)	Ratemeter (c/min)	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.3	20	SBFT-10 (0-5)	0-1'	Dry	12/12	Brown M SAND, some F-M Gravel	No odor, no staining
1	0.1			1-2'	Dry	12/12		
2	0.3			2-3'	Dry	12/12		
3	0.4			3-4'	Dry	12/12		
4	0.5			4-5'	Dry	12/12		
5	0.6	20	SBFT-10 (5-10)	5-6'	Dry	12/12	Brown M SAND, some F-M Gravel	No odor, no staining
6	0.5			6-7'	Dry	12/12		
7	0.4			7-8'	Dry	12/12		
8	0.7			8-9'	Dry	12/12		
9	0.4			9-10'	Dry	12/12		
10								
11								
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APPENDIX B

LABORATORY RESULTS

Pace Long Island

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ANALYTICAL DATA PACKAGE
ASP A PACKAGE

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GANNETT & FLEMING
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IV. ANALYTICAL DATA - FORM I'S:

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B. SEMIVOLATILES
C. PESTICIDES/PCBs
D. HERBICIDES
E. METALS

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I. SDG NARRATIVE

Pace Long Island

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SDG NARRATIVE FOR VOLATILES ANALYSIS
SAMPLE(S) RECEIVED: 10/21/14 10/22/14 10/23/14 & 10/24/14
SDG#: GNF005

For Sample(s):

GW-SSBR-1-F	GW-SSBR-15F
GW-SSBR-1-U	GW-SSBR-15U
STORAGE BLANK-10/21/14	TB
GW-SSBR-7-F	GW-SSBR-18F
GW-SSBR-7-U	GW-SSBR-18U
GW-SSBR-10-F	GW-SSBR-20F
GW-SSBR-10-U	GW-SSBR-20U

The above sample(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260C and reported in accordance with the NYS ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/matrix spike duplicate analysis. Lab fortified blanks were analyzed, and all percent recoveries were within Q. C. limits.

In the initial calibration, average response factors were employed for most analytes, and regression function(s) was/were used for the compound(s) with an RSD above 20%. If variability criteria for the continuous calibration checks (CCV) of 20%D were not met, data are regarded estimated and are flagged with a "Z" qualifier.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 18, 2014

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Joann M. Slavin
General Manager

Pace Long Island

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SDG NARRATIVE FOR SEMIVOLATILE ANALYSES
SAMPLE(S) RECEIVED: 10/21/14, 10/22/14, 10/23/14 & 10/24/14
SDG #: GNF005

For Sample(s):

GW-SSBR-1-F	GW-SSBR-15F
GW-SSBR-1-U	GW-SSBR-15U
GW-SSBR-7-F	GW-SSBR-18F
GW-SSBR-7-U	GW-SSBR-18U
GW-SSBR-10-F	GW-SSBR-20F
GW-SSBR-10-U	GW-SSBR-20U

The above sample(s) was/were analyzed for a select list of base/neutral extractables by EPA method 8270D.in accordance with the NYSDEC ASP, Rev. 7/2005, Category A.

All Q.C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

No matrix spike/matrix spike duplicate was submitted. Lab fortified blanks were analyzed. All percent recoveries were within QC limits except for a low recovery for phenol, hexachloroethane and hexachlorocyclopentadiene.

In the initial calibrations, average response factors were employed for the compounds with RSDs up to 20%. The variability %D for pentachlorophenol in the CCV also exceeded 20%. This sample is flagged with a "Z" qualifier indicating that is regarded estimated.

Acetophenone was present in the method blank. This analyte was flagged with a "B" qualifier if present in samples associated with this blank.

Samples GW-SSBR-1-F, GW-SSBR-10-F, GW-SSBR-15F and GW-SSBR-15U had a low efficiency.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 5, 2014

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General Manager

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SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLE(S) RECEIVED: 10/21/14 & 10/24/14
SDG#: GNF005

For Sample(s):

GW-SSBR-1-F	GW-SSBR-15U
GW-SSBR-1-U	GW-SSBR-18F
GW-SSBR-7-F	GW-SSBR-18U
GW-SSBR-7-U	GW-SSBR-20F
GW-SSBR-10-F	GW-SSBR-20U
GW-SSBR-10-U	
GW-SSBR-15F	

The above sample(s) was/were analyzed for a select list of chlorinated pesticides and aroclors by methods 8081B and 8082A and reported according to the NYSDEC ASP, Rev. 7/2005, Category A.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

The concentrates were split and analyzed separately for pesticides and PCBs. The aliquots for aroclors analysis were cleaned up with sulfuric acid and TBA for sulfur removal. These aliquots for aroclors analysis are reported with an "A" suffix.

Two pesticide aliquots were also subjected to sulfur cleanup. They are identified with the suffix "S".

LFB-46864 was sulfur cleaned as well. The samples GW-SSBR-1FS and GW-SSBR-1US are qualified as biased low for endrin aldehyde as the cleanup step causes a loss in the recovery for this analyte.

No matrix spike/matrix spike duplicate was submitted.

Breakdown of 4,4'-DDT above the acceptance limit was observed for the continuous calibration checks (PEM04 and PEM12) analyzed after the following samples: GW-SSBR-15F, GW-SSBR-1-F, GW-SSBR-20U, and GW-SSBR-18U.

The surrogate standard DCB had a low percent recovery in sample GW-SSBR-18U. This sample was re-extracted with acceptable recoveries.

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SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLE(S) RECEIVED: 10/21/14 & 10/24/14
SDG#: GNF005

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 19, 2014

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Joann M. Slavin
General Manager

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Melville, NY 11747

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SDG NARRATIVE FOR HERBICIDES ANALYSIS
SAMPLE(S) RECEIVED: 10/21/14 10/22/14 10/23/14 & 10/24/14
SDG#: GNF005

For Sample(s):

GW-SSBR-1-F	GW-SSBR-15U
GW-SSBR-1-U	GW-SSBR-18F
GW-SSBR-7-F	GW-SSBR-18U
GW-SSBR-7-U	GW-SSBR-20F
GW-SSBR-10-F	GW-SSBR-20U
GW-SSBR-10-U	
GW-SSBR-15F	

The above sample(s) was/were analyzed for a select list of herbicides by method 8151A and reported according to the requirements of the NYS DEC ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the protocol, and no problems were encountered with sample analysis. The following should be noted:

No matrix spike/matrix spike duplicate was submitted. A lab fortified blank was analyzed and indicates good method efficency.

Low levels of 2,4D was present in the method blank. This analyte was flagged with an associated "B" qualifier if present in samples associated with the blank.

Positives are reported to the practical detection limit (PDL) of half of the reporting limit (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 18, 2014

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Joann M Slavin
General Manager

Pace Long Island

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 10/21/14 – 10/24/14
SDG#: GNF005

For Sample(s):

GW-SSBR-1-F	GW-SSBR-10-F	GW-SSBR-18F
GW-SSBR-1-U	GW-SSBR-10-U	GW-SSBR-18U
GW-SSBR-7-F	GW-SSBR-15F	GW-SSBR-20F
GW-SSBR-7-U	GW-SSBR-15U	GW-SSBR-20U

The above water sample(s) was/were received by Pace Analytical Services Inc. for analysis of TAL metals and mercury. The samples were prepared and analyzed by EPA method 6010C with a TS ICAP 6000 instrument and EPA method 7470A with a Leeman HYDRA mercury analyzer.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample GW-SSBR-1-F was selected for batch Q. C. analysis and reporting.

Spike analysis results did not meet acceptance criteria for antimony and silver. The sample was post spiked, reanalyzed and recoveries were 64.1% for lead, antimony and 29.6% for silver.. Data for these metals were flagged with the qualifier "N" on forms 1 and 5A.

The spike recovery was not within 75-125% for aluminum and iron. Since the sample concentrations were greater than four times the spike concentrations, Q. C. limits do not apply, and post spikes and data qualifiers were not required.

The ICP serial dilution analysis did not meet control limits for aluminum and iron. Data for these metals were reported flagged "E" on forms 1 and 9.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 11, 2014

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Quality Analyst

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II. NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: GNF005

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		GCSEMI	ME	MSSEMI	MSVOA	SUBPACE	WC
GW-SSBR-1-F	1410E15-001	X	X	X	X	X	X
GW-SSBR-1-U	1410E15-002	X	X	X	X	X	X
STORAGE BLANK-10/21/14	1410E15-003				X		
GW-SSBR-7-F	1410F10-001	X	X	X	X	X	X
GW-SSBR-7-U	1410F10-002	X	X	X	X	X	X
GW-SSBR-10-F	1410F10-003	X	X	X	X	X	X
GW-SSBR-10-U	1410F10-004	X	X	X	X	X	X
GW-SSBR-15F	1410F85-001	X	X	X	X	X	X
GW-SSBR-15U	1410F85-002	X	X	X	X	X	X
TB	1410F85-003				X		
GW-SSBR-18F	1410G41-001	X	X	X	X	X	X
GW-SSBR-18U	1410G41-002	X	X	X	X	X	X
GW-SSBR-20F	1410G41-003	X	X	X	X	X	X
GW-SSBR-20U	1410G41-004	X	X	X	X	X	X

CLP, Non-CLP (Please indicate year of protocol)
TCL/TAL, HSL, Priority Pollutant,

ASP A. 2005
BC 11-19-14

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: GNF005

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410E15-001A	GW-SSBR-1-F	Aqueous	ASP8260	21-Oct-14	21-Oct-14		29-Oct-14		1	LOW	
1410E15-002A	GW-SSBR-1-UAqueous		ASP8260	21-Oct-14	21-Oct-14		29-Oct-14		1	LOW	
1410E15-003A	S BLK-10/21/14	Aqueous	ASP8260	21-Oct-14	21-Oct-14		29-Oct-14		1	LOW	
1410F10-001A	GW-SSBR-7-F	Aqueous	ASP8260	22-Oct-14	22-Oct-14		29-Oct-14		1	LOW	
1410F10-002A	GW-SSBR-7-UAqueous		ASP8260	22-Oct-14	22-Oct-14		29-Oct-14		1	LOW	
1410F10-003A	GW-SSBR-10-F	Aqueous	ASP8260	22-Oct-14	22-Oct-14		29-Oct-14		1	LOW	
1410F10-004A	GW-SSBR-10-U	Aqueous	ASP8260	22-Oct-14	22-Oct-14		29-Oct-14		1	LOW	
1410F85-001A	GW-SSBR-15F	Aqueous	ASP8260	23-Oct-14	23-Oct-14		29-Oct-14		1	LOW	
1410F85-002A	GW-SSBR-15U	Aqueous	ASP8260	23-Oct-14	23-Oct-14		29-Oct-14		1	LOW	
1410F85-003A	TB	Aqueous	ASP8260	23-Oct-14	23-Oct-14		29-Oct-14		1	LOW	
1410G41-001A	GW-SSBR-18F	Aqueous	ASP8260	23-Oct-14	24-Oct-14		29-Oct-14		1	LOW	
1410G41-002A	GW-SSBR-18U	Aqueous	ASP8260	23-Oct-14	24-Oct-14		29-Oct-14		1	LOW	
1410G41-003A	GW-SSBR-20F	Aqueous	ASP8260	23-Oct-14	24-Oct-14		29-Oct-14		1	LOW	
1410G41-004A	GW-SSBR-20U	Aqueous	ASP8260	23-Oct-14	24-Oct-14		29-Oct-14		1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

SDG: GNF005

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410E15-001B	GW-SSBR-1-F	Aqueous	8270	21-Oct-14	21-Oct-14	23-Oct-14	31-Oct-14	CONT	1	LOW	
1410E15-002B	GW-SSBR-1-U	Aqueous	8270	21-Oct-14	21-Oct-14	23-Oct-14	31-Oct-14	CONT	1	LOW	
1410F10-001B	GW-SSBR-7-F	Aqueous	8270	22-Oct-14	22-Oct-14	27-Oct-14	31-Oct-14	CONT	1	LOW	
1410F10-002B	GW-SSBR-7-U	Aqueous	8270	22-Oct-14	22-Oct-14	27-Oct-14	31-Oct-14	CONT	1	LOW	
1410F10-003B	GW-SSBR-10-F	Aqueous	8270	22-Oct-14	22-Oct-14	27-Oct-14	31-Oct-14	CONT	1	LOW	
1410F10-004B	GW-SSBR-10-U	Aqueous	8270	22-Oct-14	22-Oct-14	27-Oct-14	31-Oct-14	CONT	1	LOW	
1410F85-001B	GW-SSBR-15-F	Aqueous	8270	23-Oct-14	23-Oct-14	28-Oct-14	31-Oct-14	CONT	1	LOW	
1410F85-002B	GW-SSBR-15-U	Aqueous	8270	23-Oct-14	23-Oct-14	28-Oct-14	31-Oct-14	CONT	1	LOW	
1410G41-001B	GW-SSBR-18-F	Aqueous	8270	23-Oct-14	24-Oct-14	28-Oct-14	31-Oct-14	CONT	1	LOW	
1410G41-002B	GW-SSBR-18-U	Aqueous	8270	23-Oct-14	24-Oct-14	28-Oct-14	31-Oct-14	CONT	1	LOW	
1410G41-003B	GW-SSBR-20-F	Aqueous	8270	23-Oct-14	24-Oct-14	29-Oct-14	01-Nov-14	SEPF	1	LOW	
1410G41-004B	GW-SSBR-20-U	Aqueous	8270	23-Oct-14	24-Oct-14	29-Oct-14	01-Nov-14	SEPF	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF005

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410E15-001B	GW-SSBR-1-FA	Aqueous	SW8081/8082	21-Oct-14	21-Oct-14	24-Oct-14	30-Oct-14	SEPF	1	LOW	SLFR H2SO4
1410e15-001b	GW-SSBR-1-FS	Aqueous	SW8081/8082	21-Oct-14	21-Oct-14	24-Oct-14	10-Nov-14	SEPF	1	LOW	SLFR
1410e15-002b	GW-SSBR-1-US	Aqueous	SW8081/8082	21-Oct-14	21-Oct-14	24-Oct-14	10-Nov-14	SEPF	1	LOW	SLFR
1410E15-002B	GW-SSBR-1-UA	Aqueous	SW8081/8082	21-Oct-14	21-Oct-14	24-Oct-14	30-Oct-14	SEPF	1	LOW	SLFR H2SO4
1410f10-001b	GW-SSBR-7-F	Aqueous	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	14-Nov-14	SEPF	1	LOW	
1410F10-001B	GW-SSBR-7-FA	Aqueous	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	SEPF	1	LOW	SLFR H2SO4
1410F10-002B	GW-SSBR-7-UA	Aqueous	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	SEPF	1	LOW	SLFR H2SO4
1410f10-002b	GW-SSBR-7-U	Aqueous	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	14-Nov-14	SEPF	1	LOW	
1410F10-003B	GW-SSBR-10-FA	Aqueous	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	SEPF	1	LOW	SLFR H2SO4
1410f10-003b	GW-SSBR-10-F	Aqueous	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	14-Nov-14	SEPF	1	LOW	
1410f10-004b	GW-SSBR-10-U	Aqueous	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	14-Nov-14	SEPF	1	LOW	
1410F10-004B	GW-SSBR-10-UA	Aqueous	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	SEPF	1	LOW	SLFR H2SO4
1410f85-001b	GW-SSBR-15F	Aqueous	SW8081/8082	23-Oct-14	23-Oct-14	27-Oct-14	14-Nov-14	SEPF	1	LOW	
1410F85-001B	GW-SSBR-15FA	Aqueous	SW8081/8082	23-Oct-14	23-Oct-14	27-Oct-14	30-Oct-14	SEPF	1	LOW	SLFR H2SO4
1410F85-002B	GW-SSBR-15UA	Aqueous	SW8081/8082	23-Oct-14	23-Oct-14	27-Oct-14	30-Oct-14	SEPF	1	LOW	SLFR H2SO4
1410f85-002b	GW-SSBR-15U	Aqueous	SW8081/8082	23-Oct-14	23-Oct-14	27-Oct-14	14-Nov-14	SEPF	1	LOW	
1410g41-001b	GW-SSBR-18F	Aqueous	SW8081/8082	23-Oct-14	24-Oct-14	27-Oct-14	13-Nov-14	SEPF	1	LOW	
1410G41-001B	GW-SSBR-18FA	Aqueous	SW8081/8082	23-Oct-14	24-Oct-14	27-Oct-14	30-Oct-14	SEPF	1	LOW	SLFR H2SO4
1410g41-002b	GW-SSBR-18U	Aqueous	SW8081/8082	23-Oct-14	24-Oct-14	27-Oct-14	30-Oct-14	SEPF	1	LOW	
1410g41-002b	GW-SSBR-18URE	Aqueous	SW8081/8082	23-Oct-14	24-Oct-14	27-Oct-14	13-Nov-14	SEPF	1	LOW	
1410G41-002B	GW-SSBR-18UA	Aqueous	SW8081/8082	23-Oct-14	24-Oct-14	27-Oct-14	30-Oct-14	SEPF	1	LOW	SLFR H2SO4
1410g41-003b	GW-SSBR-20F	Aqueous	SW8081/8082	23-Oct-14	24-Oct-14	27-Oct-14	13-Nov-14	SEPF	1	LOW	
1410G41-003B	GW-SSBR-20FA	Aqueous	SW8081/8082	23-Oct-14	24-Oct-14	27-Oct-14	30-Oct-14	SEPF	1	LOW	SLFR H2SO4
1410G41-004B	GW-SSBR-20U	Aqueous	SW8081/8082	23-Oct-14	24-Oct-14	27-Oct-14	14-Nov-14	SEPF	1	LOW	
1410G41-004B	GW-SSBR-20UA	Aqueous	SW8081/8082	23-Oct-14	24-Oct-14	27-Oct-14	30-Oct-14	SEPF	1	LOW	SLFR H2SO4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF005

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410E15-001B	GW-SSBR-1-F	Aqueous	SW8151	21-Oct-14	21-Oct-14	27-Oct-14	31-Oct-14	SEPF	1	LOW	SLFR
1410E15-002B	GW-SSBR-1-U	Aqueous	SW8151	21-Oct-14	21-Oct-14	27-Oct-14	03-Nov-14	SEPF	1	LOW	SLFR
1410F10-001B	GW-SSBR-7-F	Aqueous	SW8151	22-Oct-14	22-Oct-14	24-Oct-14	28-Oct-14	SEPF	1	LOW	
1410F10-002B	GW-SSBR-7-U	Aqueous	SW8151	22-Oct-14	22-Oct-14	24-Oct-14	28-Oct-14	SEPF	1	LOW	
1410F10-003B	GW-SSBR-10-F	Aqueous	SW8151	22-Oct-14	22-Oct-14	24-Oct-14	28-Oct-14	SEPF	1	LOW	
1410F10-004B	GW-SSBR-10-U	Aqueous	SW8151	22-Oct-14	22-Oct-14	24-Oct-14	28-Oct-14	SEPF	1	LOW	
1410F85-001B	GW-SSBR-15F	Aqueous	SW8151	23-Oct-14	23-Oct-14	24-Oct-14	28-Oct-14	SEPF	1	LOW	
1410F85-001Bre	GW-SSBR-15Fre	Aqueous	SW8151	23-Oct-14	23-Oct-14	07-Nov-14	11-Nov-14	SEPF	1	LOW	
1410F85-002B	GW-SSBR-15U	Aqueous	SW8151	23-Oct-14	23-Oct-14	24-Oct-14	28-Oct-14	SEPF	1	LOW	
1410F85-002Bre	GW-SSBR-15Ure	Aqueous	SW8151	23-Oct-14	23-Oct-14	07-Nov-14	11-Nov-14	SEPF	1	LOW	
1410G41-001B	GW-SSBR-18F	Aqueous	SW8151	23-Oct-14	24-Oct-14	24-Oct-14	28-Oct-14	SEPF	1	LOW	
1410G41-002B	GW-SSBR-18U	Aqueous	SW8151	23-Oct-14	24-Oct-14	24-Oct-14	28-Oct-14	SEPF	1	LOW	
1410G41-003B	GW-SSBR-20F	Aqueous	SW8151	23-Oct-14	24-Oct-14	24-Oct-14	28-Oct-14	SEPF	1	LOW	
1410G41-004B	GW-SSBR-20U	Aqueous	SW8151	23-Oct-14	24-Oct-14	24-Oct-14	28-Oct-14	SEPF	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG : GNF005

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	DateRecd at Lab	Date Analyzed
1410E15-001	GW-SSBR-1-F	WATER	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	11/14
1410E15-001DUP	GW-SSBR-1-FD	WATER	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	11/14
1410E15-001MS	GW-SSBR-1-FS	WATER	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	11/14
1410E15-002	GW-SSBR-1-U	WATER	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	11/14
1410F10-001	GW-SSBR-7-F	WATER	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F10-002	GW-SSBR-7-U	WATER	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F10-003	GW-SSBR-10-F	WATER	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F10-004	GW-SSBR-10-U	WATER	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F85-001	GW-SSBR-15F	WATER	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	11/14
1410F85-002	GW-SSBR-15U	WATER	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	11/14
1410G41-001	GW-SSBR-18F	WATER	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	24-Oct-14	11/14
1410G41-002	GW-SSBR-18U	WATER	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	24-Oct-14	11/14
1410G41-003	GW-SSBR-20F	WATER	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	24-Oct-14	11/14
1410G41-004	GW-SSBR-20U	WATER	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	24-Oct-14	11/14

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

III. CHAIN OF CUSTODY FORMS

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04924

EXTERNAL CHAIN OF CUSTODY

CLIENT: GANNETT FLEMING

H2M SDG NO: GNF005

PROJECT NAME/NUMBER
GARVIES POINT / GLEN COVE
GANNETT FLEMING

SAMPLERS: (Signature)/Client
P. PAPAMICHAEL / C. WUNSCH
100 CROSSWAYS PARK DRIVE WEST
WOODBURY NY 11797

DELIVERABLES:

TURNAROUND TIME:
STANDARD

NOTES:

Project Contact: VINCENT FRISINA
vfrisina@gfnet.com

Phone Number: (516) 364-4140 EXT. 1323

PIS/Quote #

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/PCBs/Pesticides	TAL METALS	Ignitability Corrosivity	Reactive Cyanide/Sulfide	Gamma Spec	Radium 226/228	Uranium	Thorium		LAB I.D. NO.	REMARKS:
			Sample Container Description		VOAs w/HCL	1 liter amber	250 ml w/HNO3	250 ml amber	500 ml plastic	1 liter plastic w/HNO3	1 liter plastic w/HNO3	500 ml plastic w/HNO3	500 ml plastic w/HNO3			
10/21/14	9:05	WT	GW-SSBR-1-U	16	2	5	1	1	1	2	2	1	1		1410E15-002	
10/21/14	9:31	WT	GW-SSBR-1-F	16	2	5	1	1	1	2	2	1	1		↓ 001	

ANALYSIS REQUESTED

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/21/14	15:10	[signature]	10-21-14	15:10
[signature]	10-21-14	16:00	[signature]	10/21/14	1600

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ____ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

14.7

9

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF005 S17

GNF 005

Pace Analytical™

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF**

Date and Time Received: **10/21/2014 4:00:00 PM**

Work Order Number: **1410E15** RcptNo: **1**

Received by: **Linda Siciliano**

Completed by: [signature]

Reviewed by: [signature]

Completed Date: 10/21/2014 6:18:35 PM

Reviewed Date: 10/26/2014 6:53:45 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐
Response when temperature is outside of range:	Samples were collected the same day and chilled.			
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To 14.7 °	
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF005 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: ~~B05-70~~ B05-10 DRL 11-12-14 TURN AROUND TIME: 21 Days

SDG: GNF005 CASE#: MATRIX: GW pH CHECK Y or N

REMARKS:

RECEIVED BY: LSD SIGNATURE: LSD DATE: 10/21/14 TIME: 1600

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. GW-SSBR-1-F	1410E15-001A	10-21	DH	2	8260_W-4-2
2. U	002A				
3. Storage Blank-10/21/14	003A				
4.					
5.					
6.					
7.					
8.					
9.					
10.		LSD			
11.		10/22/14			
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

CLIENT: GNF

SDG: GNF005

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/23/14	1100	[illegible]	Diana Loreto	DH	analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: B05-70 TURN AROUND TIME: 21 Days

SDG: GNF005 CASE#: MATRIX: GW pH CHECK Y or N

REMARKS:

RECEIVED BY: USP SIGNATURE: [illegible] DATE: 10/21/14 TIME: 1600

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. GW-SSBR-1-F	1410E15-001B	10.21	G	5	8081/8082-W 8151-W, 8270_W_1-2
2. ↓ 4	↓ 002B	↓	↓	5	↓
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

LSD 10/22/14

CLIENT: GNF

SDG: GNF005

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/22/14	1100	[illegible]	[illegible]	G	PREP	
10/23/14	2350	[illegible]	[illegible]	All E 8151_W	Analysis	
10/24/14	1437	[illegible]	[illegible]	All E 8270_W	Analysis	
10/28/14	0205	[illegible]	[illegible]	All E 8182_W	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-70 TURN AROUND TIME: 21 Days

SDG: GNF005 CASE#: MATRIX: GW pH CHECK Y or N

REMARKS:

RECEIVED BY: USP SIGNATURE: [illegible] DATE: 10/21/14 TIME: 1600

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. GW-SSBR-1-F	1410E15-001B	10.21	G	5	8081/8082-W 8151-W, 8270_W_Y-2
2. ↓ 4	↓ 002B	↓	↓	5	↓
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

USP 10/22/14

CLIENT: GNF

SDG: GNF005

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/22/14	1100	LSTD	[illegible]	G	PREP	
10/23/14	2350	[illegible]	Melanie [illegible]	All (E) 8151_W	Analysis	
10/24/14	1437	[illegible]	Sean Haughney	All (E) 8270_W	Analysis	
10/28/14	0205	[illegible]	Josh [illegible]	All (E) 8182_W	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-70 TURN AROUND TIME: 21 Days

SDG: GNF005 CASE#: MATRIX: GW pH CHECK Y or N

REMARKS:

RECEIVED BY: LSD SIGNATURE: DATE: 10/21/14 TIME: 1600

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. GW-SSBR-1-F	1410E15-001C	10.21	FN	1	TCLMPKG-W
2. 4	002E				
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

LSD 10/22/14

CLIENT: GNF

SDG: GNF005

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/22/14	1100	[illegible]	Matt [illegible]	FN	digestion	
11-3-14	12:00	Matt [illegible]	Hamawadi[illegible]	DIGS	Analysis	

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04926

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF005

PROJECT NAME/NUMBER
GLEN COVE / GARVIES POINT

SAMPLERS: (Signature)/Client P. PARAMICHAEL / C. WUNSCH
GANNETT FLEMING
100 CROSS WAYS PARK DRIVE WEST
WOODBURY, NY 11797

DELIVERABLES:

TURNAROUND TIME:
STANDARD

NOTES:

Project Contact: VINCENT FRISINA
vfrisina@gfnet.com

Phone Number: (516) 364-4140 EXT. 1323

PIS/Quote #

Sample Container Description	VOAs w/ HCL	1 liter amber	250 ml w/ HNO_3	250 ml amber	500 ml plastic	1 liter plastic w/ HNO_3	1 liter plastic w/ HNO_3	500 ml plastic w/ HNO_3	500 ml plastic w/ HNO_3

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs / PCBs / PEST / HERB	TAL METALS	IGNITABILITY / CORROSIVITY	REACTIVE CYANIDE / SULFIDE	GAMMA SPEC	RADIUM 226+228	URANIUM	THORIUM		LAB I.D. NO.	REMARKS:
10/22/14	8:32	WT	GW-SSBR-7-U	16	2	5	1	1	1	2	2	1	1		1410F10-002	
10/22/14	8:39	WT	GW-SSBR-7-F	16	2	5	1	1	1	2	2	1	1		-001	
10/22/14	13:15	WT	GW-SSBR-10-U	16	2	5	1	1	1	2	2	1	1		-004	
10/22/14	13:31	WT	GW-SSBR-10-F	16	2	5	1	1	1	2	2	1	1		-003	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/22/14	15:20	[signature]	10/22/14	15:30
[signature]	10/22/14	17:00	[signature]	10-22-14	17:00

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ✓ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

T = 5.6°C / T = 5.8°C

GNF005 S27

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

GNF005

Sample Receipt Checklist

Client Name **GNF**

Date and Time Received: **10/22/2014 5:00:00 PM**

Work Order Number: **1410F10** RcptNo: **1**

Received by: **MelissaWatson**

Completed by: M. Watt

Reviewed by: Jennifer Cr

Completed Date: 10/24/2014 8:32:38 PM

Reviewed Date: 10/26/2014 7:10:41 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	5.6 To	5.8 °
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF005 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

GNF005 S28

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: ~~B05-TOD~~ B05-10 DRL 11-12-14 TURN AROUND TIME: 21 DAYS

SDG: GNF005 CASE#: MATRIX: GW pH CHECK Y or N

REMARKS:

RECEIVED BY: MCW SIGNATURE: M-Wall DATE: 10-22-14 TIME: 1700

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. GW-SSBR-7-F	1410F10 001A	10-22-14	D_H	2	8260_W-4-2
2. -7-U	002				
3. -10-F	003				
4. -10-U	004				
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MCW 10-24-14

CLIENT: GNF

SDG: GNF005

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10-22-14	1900	[illegible]	Diana Foote	DH	ANALYSIS	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: 805-70D TURN AROUND TIME: 21 DAYS

SDG: GNF005 CASE#: MATRIX: GW pH CHECK Y or N

REMARKS:

RECEIVED BY: MCW SIGNATURE: DATE: 10-22-14 TIME: 1700

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. GW-SSBR-7-F	1410F10 001B	10-22-14	G	5	8081/8082-W, 8151-W, 8270-W-4-2
2. -7-F	001C		H	1	IGN-W MCW 10-24-14
3. 7-U	002B,C		AS ABOVE	AS ABOVE	AS ABOVE
4. 10-F	003				
5. 10-U	004				
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MCW 10-24-14

CLIENT: GNF

SDG: GNF005

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10-22-14	1900	[illegible]	[illegible]	G,H	PREP	
10/27/14	2214	[illegible]	[illegible]	All 8151	Analysis	
10/28/14	0130	[illegible]	[illegible]	All 8182	Analysis	
10/28/14	1425	[illegible]	[illegible]	All 8270-SIM	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-10D TURN AROUND TIME: 21 DAYS

SDG: GNF005 CASE#: _____ MATRIX: GW pH CHECK: Y or N

REMARKS: _____

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 10-22-14 TIME: 1700

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. GW-SSBR-7-F	1410F10 001E	10-22-14	FN	1	TCLMPKG-W
2. 7-U	002				
3. 10-F	003				
4. 10-U	004				
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MCW 10-24-14

CLIENT: GNF

SDG: GNF005

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10-22-14	1900	[illegible]	[illegible]	FN	DIG	
11-3-14	12:00	[illegible]	[illegible]	DIGS	Analysis	

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04928

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF005

PROJECT NAME/NUMBER
GARVIES POINT / GLEN COVE

SAMPLERS: (Signature)/Client P. PARAMICHAEL / C. WUNSCH
GANNETT FLEMING
100 CROSSWAYS PARK DRIVE W.
WOODBURY NY 11797

DELIVERABLES:

TURNAROUND TIME: STANDARD

NOTES:

Project Contact:

Phone Number:

PIS/Quote #

Sample Container Description	VOAs w/HCL	1-liter amber	250 ml w/ HNO_3	250 ml amber	500 ml plastic	1-liter plastic w/HNO_3	1-liter plastic w/HNO_3	500 ml plastic w/HNO_3	500 ml plastic w/HNO_3
ANALYSIS REQUESTED	VOCs	SVOCs/PCBs PEST/HERBS	TAL METALS	IGNITABILITY CORROSIVITY	REACTIVE CYANIDE/SULFIDE	GAMMA SPEC	RADIUM 226/228	URANIUM	THORIUM

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/PCBs PEST/HERBS	TAL METALS	IGNITABILITY CORROSIVITY	REACTIVE CYANIDE/SULFIDE	GAMMA SPEC	RADIUM 226/228	URANIUM	THORIUM		LAB I.D. NO.	REMARKS:
10/23/14	11:15	WT	GW-SSBR-15-U	16	2	5	1	1	1	2	2	1	1		1410F85 -002	
10/23/14	11:35	WT	GW-SSBR-15-F	16	2	5	1	1	1	2	2	1	1		↓ -001	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/23/14	14:35	[signature]	10/23	14:35
[signature]	10/23	15:30	[signature]	10/23/14	15:30

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ____ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

(19.1°-C)

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF005 S35

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

GNF 005

Sample Receipt Checklist

Client Name **GNF**

Date and Time Received: **10/23/2014 3:30:00 PM**

Work Order Number: **1410F85** RcptNo: **1**

Received by **JoshLaedke**

Completed by:

Reviewed by:

Completed Date: 10/23/2014 3:58:28 PM

Reviewed Date: 10/28/2014 11:38:46 AM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☐	No ☑		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☐	No ☑	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐
Response when temperature is outside of range:	Samples were collected the same day and chilled.			
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To 19.1 °	
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

trip blank received with samples but not on COC

CorrectiveAction:

GNF005 S36

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: ~~B05-100~~ B05-10 DRL 11-12-14 TURN AROUND TIME: 21DATS

SDG: GNF005 CASE#: _____ MATRIX: AqGW pH CHECK Y or (N)

REMARKS: _____

RECEIVED BY: (JP) SIGNATURE: (JP) DATE: 10/23/14 TIME: 1530

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. GW-SSBR-15F	1410F85-001A	10/23/14	DA	2	8260W-42
2. ↓ 15-U	↓ -002A	↓	↓	↓	↓
3. TB	↓ -003A	↓	↓	↓	↓
4.					
5.					
6.					
7.	(JP)				
8.					
9.		10/23/14			
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

CLIENT: GNF

SDG: GNF005

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/23/14	1715	[illegible]	Diangforte	DIT	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: B05-XD TURN AROUND TIME: 21DAYS

SDG: GNF005 CASE#: MATRIX: GW pH CHECK Y or N

REMARKS:

RECEIVED BY: JD SIGNATURE: JD DATE: 10/23/14 TIME: 1530

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. GW-SSBR-15F	1416R85 -001B	10/23/14	G	5	8081/8082/W 8151-W 8270W-42
2.	-001C		H	1	IGW-W
3. 150	-002B,C		G, H	5, 1	As Above
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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14.					
15.					
16.					
17.					
18.					
19.					
20.					

JD 10/23/14

CLIENT: GNF

SDG: GNF005

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/27/14	1715			G, H	Analysis	
10/27/14	2214			All 8151_W	Analysis	
10/28/14	0130			All 8182_W	Analysis	
10/29/14	1316			All 8270_W	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: B05-70D TURN AROUND TIME: 21 DAYS

SDG: GNF005 CASE#: _____ MATRIX: GW pH CHECK Y or N

REMARKS: _____

RECEIVED BY: JD SIGNATURE: [signature] JD DATE: 10/23/14 TIME: 15:30

	CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1.	GW-SSBR-15F	1410F85-001E	10/23/14	Fn	1	6010 GW-PKG HG-7470A_W
2.	↓ -U	↓ 2↓	↓	↓	↓	↓
3.						
4.						
5.						
6.		JD				
7.						
8.						
9.						
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12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

10/23/14

CLIENT: GNF

SDG: GNF005

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT
10/23/14	1715	[illegible]	Matt [illegible]	Fn	~~Analysis~~ DIG	
11-3-14	12:00	Matt [illegible]	Hamann [illegible]	DCS	Analysis	

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04964

EXTERNAL CHAIN OF CUSTODY

CLIENT: GANNETT FLEMING

H2M SDG NO: GNF005

PROJECT NAME/NUMBER
GARVIES POINT / GLEN COVE

SAMPLERS: (Signature)/Client P. PAPAMICHAEL / C. WUNSCH
GANNETT FLEMING
100 CROSSWAYS PARK DRIVE W.
WOODBURY, NY 11797

DELIVERABLES:

TURNAROUND TIME: STANDARD

NOTES:

Project Contact: VINCENT FRISINA
vfrisina@gfnet.com

Phone Number: (516) 364-4140 EXT. 1323

PIS/Quote #

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/PCBs PEST/HERBS	TAL METALS	IGNITABILITY CORROSIVITY	REACTIVE CYANIDE/SULFIDE	GAMMA SPEC	RADIUM 226/228	URANIUM	THORIUM		LAB I.D. NO.	REMARKS:
10/23/14	13:45	WT	GW-SSBR-18-U	16	2	5	1	1	1	2	2	1	1		1410G41-~~001~~002	
10/23/14	14:00	WT	GW-SSBR-18-F	16	2	5	1	1	1	2	2	1	1		~~002~~001	
10/23/14	15:20	WT	GW-SSBR-20-U	16	2	5	1	1	1	2	2	1	1		~~003~~004	
10/23/14	15:45	WT	GW-SSBR-20-F	16	2	5	1	1	1	2	2	1	1		~~004~~003	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/24/14	1105	[signature]	10/24/14	1105

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ✓ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

5, 4, 3, 4
5, 5, 3, 3

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF005 S43

GNF005

Pace Analytical™

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF**

Date and Time Received: **10/24/2014 11:05:00 AM**

Work Order Number: **1410G41** RcptNo: **1**

Received by **Linda Siciliano**

Completed by: [signature]

Reviewed by: [signature]

Completed Date: 10/29/2014 4:19:25 PM

Reviewed Date: 10/29/2014 4:18:32 PM

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	3.3 To	5.5 °
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF005 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

INTERNAL CHAIN OF CUSTODY

11-12-14

CLIENT: GNF DELIVERABLES: ~~B5-70D~~ B05-10 DRL TURN AROUND TIME: 21 Days

SDG: GNF005 CASE#: MATRIX: GW pH CHECK Y or (N)

REMARKS:

RECEIVED BY: LSD SIGNATURE: DATE: 10/24/14 TIME: 1105

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE (LP) 10/24/14	# OF BOTTLES	TESTS REQUESTED 8260-W-4-2 (LP) 10/24/14
1. GW-SSBR-18-F	1410G41-001BA	10-23	GDH	52	~~8051/8082-W~~ ~~515-W, 8270-W-4-2~~
2. ↓ ↓ ↓ 4	002BA				
3. 20-F	003BA				
4. ↓ ↓ ↓ 4	004BA				
5.	(LP) 10/24/14				
6.					
7.					
8.					
9.					
10.					
11.		(LP) 10/24/14			
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

CLIENT: GNF

SDG: GNF.005

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
4/21/04	1430	[illegible]	Diane Foote	G	prep	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-70D TURN AROUND TIME: 21 Days

SDG: GNF005 CASE#: MATRIX: GW pH CHECK Y or N

REMARKS:

RECEIVED BY: CSD SIGNATURE: DATE: 10/24/14 TIME: 1105

	CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1.	GW-SSBR-18-F	1410G44F 001B	10.23	G	5	8081/8082-W 8151-W, 8270-W-4-2
2.	↓ U	002B				
3.	20-F	003B				
4.	↓ U	004B				
5.						
6.						
7.						
8.						
9.						
10.						
11.			CSD 10/24/14			
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

CLIENT: GNF

SDG: GNF005

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/24/14	1430	[illegible]	[illegible]	G	PREP	
10/27/14	1014	[illegible]	[illegible]	All (E) 8151-W	Analysis	
10/28/14	0130	[illegible]	[illegible]	All (E) 8182-W	Analysis	
10/29/14	1316	[illegible]	[illegible]	(E) 1-2 8270-W	Analysis	
10/29/14	1825	[illegible]	[illegible]	(E) 3-4 8270-W	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-70D TURN AROUND TIME: 21 Days

SDG: GNF005 CASE#: _____ MATRIX: GW pH CHECK (Y) or N

REMARKS: _____

RECEIVED BY: CJD SIGNATURE: [signature] DATE: 10/24/14 TIME: 1105

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. GW-SSBR-18-F	1410G41-001E	10.23	FN	1	TCLMPKG_W
2. 18-U	002E				
3. 20-F	003E				
4. 20-U	004E				
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

CJD 10/24/14

CLIENT: GNF

SDG: GNF005

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/24/04	1430	[illegible]	Matt [illegible]	FN	digestion	
11-3-14	12:00	Matt [illegible]	[illegible]	DGS	Analysis	

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

IV. ANALYTICAL FORM I'S:

A. VOLATILES
B. SEMIVOLATILES
C. PESTICIDES/PCBs
D. HERBICIDES
E. METALS

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

A. VOLATILES

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel: 631.694.3040
fax: 631.420.8436

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(300\ U)}{D} \text{ x df where } D = \frac{100\% moisture}{100}$$

and df - dilution factor

$$\text{For example, at 24\% moisture, } D = \frac{100 - 24}{100} = 0.76$$

$$\frac{(300\ U)}{.76} \text{ x 10 - 4300 U rounded to the appropriate number of significant figures}$$

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 µg/L and a concentration of 3 µg/L is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported of Form I with a "P".

C - This flag applies to pesticide results when the <u>identification</u> has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory defined flag, discussed below.

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel: 631.694.3040
fax: 631.420.8436

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identified compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration ranges in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g. a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceed 200 µg/L or the peak representing the two coeluting isomers on that GC column exceed 400 µg/L. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceed 400 µg/L.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - Other specific flags may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, used the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The laboratory defined flags limited to the letters "X", "Y" and "Z".

Z - This flag identifies compounds that have positive results and a %D greater than 20% in the CCV on the day of analysis. This flag is also used to identify compounds that have positive results and a %RSD greater than 20% in the initial calibration and for which no alternative calibration curves (e.g. linear regression, quadratic) passed acceptance criteria. These results are regarded as estimated.

The combination of flags "BU' or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-1-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82965.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-1-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82965.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-SSBR-1-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82965.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown	3.01	5	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-1-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82966.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-1-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82966.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-SSBR-1-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82966.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S BLK-10/21/14

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-003A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82964.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S BLK-10/21/14

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-003A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82964.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S BLK-10/21/14

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-003A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82964.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-7-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82967.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-7-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82967.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

GW-SSBR-7-F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82967.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown	1.73	5	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-7-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82968.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-7-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82968.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-SSBR-7-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82968.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-10-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-003A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82969.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-10-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-003A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82969.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	5	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-SSBR-10-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-003A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82969.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-10-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-004A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82970.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-10-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-004A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82970.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	5	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-SSBR-10-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-004A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82970.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82972.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	17	
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	2	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	55	Z
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	6	J
156-59-2	cis-1,2-Dichloroethene	58	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	2	J
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	1	J
79-01-6	Trichloroethene	33	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	3	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82972.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-SSBR-15F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82972.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 2 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown	7.27	8	J
2. 5989-27-5	D-Limonene	8.36	15	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82973.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	15	
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	2	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	6	JZ
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	7	J
156-59-2	cis-1,2-Dichloroethene	78	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	J
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	2	J
79-01-6	Trichloroethene	35	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	2	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82973.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	2	J
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-SSBR-15U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82973.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-003A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82971.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-003A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82971.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-003A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82971.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown	1.73	7	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-18F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82974.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	6	J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	1	J
156-60-5	trans-1,2-Dichloroethene	4	J
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	38	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	9	J
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	21	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	51	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-18F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82974.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-SSBR-18F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82974.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-18U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82975.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	6	J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	1	J
156-60-5	trans-1,2-Dichloroethene	4	J
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	39	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	9	J
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	22	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	47	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-18U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82975.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	3	J
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-SSBR-18U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82975.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-20F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-003A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82976.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	5	J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	42	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	4	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	6	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-20F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-003A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82976.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

GW-SSBR-20F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-003A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82976.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-20U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-004A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82977.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	5	J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	41	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	4	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	6	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-20U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-004A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82977.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	2	J
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-SSBR-20U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-004A

Sample wt/vol: 5 (g/mL) mL Lab File ID: A82977.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: not dec. Date Analyzed: 10/29/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

B. SEMIVOLATILES

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-1-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25329.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/23/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	4	BJ
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-1-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25329.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/23/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-1-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-002B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25330.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/23/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	2	BJ
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-1-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-002B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25330.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/23/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-7-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25333.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: Decanted:(Y/N) N Date Extracted: 10/27/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-7-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25333.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-7-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-002B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25334.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: Decanted:(Y/N) N Date Extracted: 10/27/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-7-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-002B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25334.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-10-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-003B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25335.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-10-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-003B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25335.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	1	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-10-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-004B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25336.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-10-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-004B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25336.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25339.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: Decanted:(Y/N) N Date Extracted: 10/28/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	7	J
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25339.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/28/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1	J
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-002B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25340.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: Decanted:(Y/N) N Date Extracted: 10/28/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	4	J
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-002B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25340.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/28/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-18-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25341.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/28/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-18-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25341.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/28/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	3	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-18-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-002B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25342.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/28/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-18-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-002B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25342.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/28/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	3	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-20-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-003B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25345.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: Decanted:(Y/N) N Date Extracted: 10/29/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-20-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-003B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25345.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	2	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-20-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-004B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25346.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-20-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-004B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25346.D

Level: (low/med) LOW Date Received: 10/24/14

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	3	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-46844

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: MB-46844

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25327.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/23/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	2	J
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-46844

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: MB-46844

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25327.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/23/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	1	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-46893

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: MB-46893

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25331.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-46893

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: MB-46893

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25331.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	1	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-46916

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: MB-46916

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25337.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/28/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-46916

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: MB-46916

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25337.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/28/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-46941

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: MB-46941

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25343.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1´-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-46941

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: MB-46941

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R25343.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3´-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

Pace Long Island

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C. PESTICIDES/PCBS

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-1-FS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410e15-001b

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00120.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) SEPF Date Extracted: 10/24/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5566-34-7	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-1-FA

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00548.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) SEPF Date Extracted: 10/24/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-1-US

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410e15-002b

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00121.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) SEPF Date Extracted: 10/24/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5566-34-7	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-1-UA

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00549.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) SEPF Date Extracted: 10/24/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-7-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410f10-001b

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00206.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5566-34-7	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-7-FA

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00550.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-7-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410f10-002b

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00207.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5566-34-7	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-7-UA

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00551.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-10-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410f10-003b

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00209.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5566-34-7	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-10-FA

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-003B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00552.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-10-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410f10-004b

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00208.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5566-34-7	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-10-UA

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-004B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00553.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410f85-001b

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00213.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.18	P
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5566-34-7	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15FA

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00554.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410f85-002b

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00214.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.11	P
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5566-34-7	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15UA

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00555.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-18F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410g41-001b

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00204.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/24/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5566-34-7	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-18FA

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00556.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/24/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-18U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410g41-002b

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00612.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/24/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5566-34-7	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-18URE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410g41-002b

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00203.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/24/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5566-34-7	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-18UA

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00557.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/24/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-20F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410g41-003b

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00205.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/24/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5566-34-7	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-20FA

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-003B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00558.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/24/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-20U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-004B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00215.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/24/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5566-34-7	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-20UA

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-004B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: a00559.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/24/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

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D. HERBICIDES

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-1-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: A00875.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
1918-00-9	Dicamba	0.15	U
94-75-7	2,4-D	0.50	U
93-72-1	2,4,5-TP (Silvex)	0.25	U
93-76-5	2,4,5-T	0.25	U
88-85-7	Dinoseb	0.20	U

FORM I HERB

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-1-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410E15-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: A00016.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) SEPF Date Extracted: 10/27/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
1918-00-9	Dicamba	0.15	U
94-75-7	2,4-D	0.50	U
93-72-1	2,4,5-TP (Silvex)	0.25	U
93-76-5	2,4,5-T	0.25	U
88-85-7	Dinoseb	0.20	U

FORM I HERB

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-7-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: A00709.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) SEPF Date Extracted: 10/24/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
1918-00-9	Dicamba	0.15	U
94-75-7	2,4-D	0.50	U
93-72-1	2,4,5-TP (Silvex)	0.25	U
93-76-5	2,4,5-T	0.25	U
88-85-7	Dinoseb	0.20	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-7-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: A00710.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) SEPF Date Extracted: 10/24/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
1918-00-9	Dicamba	0.15	U
94-75-7	2,4-D	0.50	U
93-72-1	2,4,5-TP (Silvex)	0.25	U
93-76-5	2,4,5-T	0.25	U
88-85-7	Dinoseb	0.20	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-10-F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-003B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: A00711.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) SEPF Date Extracted: 10/24/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
1918-00-9	Dicamba	0.15	U
94-75-7	2,4-D	0.50	U
93-72-1	2,4,5-TP (Silvex)	0.25	U
93-76-5	2,4,5-T	0.25	U
88-85-7	Dinoseb	0.20	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-10-U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F10-004B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: A00713.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) SEPF Date Extracted: 10/24/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
1918-00-9	Dicamba	0.15	U
94-75-7	2,4-D	0.50	U
93-72-1	2,4,5-TP (Silvex)	0.25	U
93-76-5	2,4,5-T	0.25	U
88-85-7	Dinoseb	0.20	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: A00717.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) SEPF Date Extracted: 10/24/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
1918-00-9	Dicamba	0.15	U
94-75-7	2,4-D	0.27	BJ
93-72-1	2,4,5-TP (Silvex)	0.25	U
93-76-5	2,4,5-T	0.25	U
88-85-7	Dinoseb	0.20	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15Fre

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-001Bre

Sample wt/vol: 1000 (g/mL) ml Lab File ID: A00181.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) SEPF Date Extracted: 11/07/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
1918-00-9	Dicamba	0.15	U
94-75-7	2,4-D	0.50	U
93-72-1	2,4,5-TP (Silvex)	0.25	U
93-76-5	2,4,5-T	0.25	U
88-85-7	Dinoseb	0.20	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: A00718.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) SEPF Date Extracted: 10/24/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
1918-00-9	Dicamba	0.082	J
94-75-7	2,4-D	0.87	BP
93-72-1	2,4,5-TP (Silvex)	0.25	U
93-76-5	2,4,5-T	0.25	U
88-85-7	Dinoseb	0.20	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-15Ure

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410F85-002Bre

Sample wt/vol: 1000 (g/mL) ml Lab File ID: A00182.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) SEPF Date Extracted: 11/07/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
1918-00-9	Dicamba	0.15	U
94-75-7	2,4-D	0.50	U
93-72-1	2,4,5-TP (Silvex)	0.25	U
93-76-5	2,4,5-T	0.25	U
88-85-7	Dinoseb	0.20	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-18F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: A00719.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/24/14

Extraction: (Type) SEPF Date Extracted: 10/24/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
1918-00-9	Dicamba	0.15	U
94-75-7	2,4-D	0.50	U
93-72-1	2,4,5-TP (Silvex)	0.25	U
93-76-5	2,4,5-T	0.25	U
88-85-7	Dinoseb	0.20	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-18U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: A00720.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/24/14

Extraction: (Type) SEPF Date Extracted: 10/24/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
1918-00-9	Dicamba	0.15	U
94-75-7	2,4-D	0.50	U
93-72-1	2,4,5-TP (Silvex)	0.25	U
93-76-5	2,4,5-T	0.25	U
88-85-7	Dinoseb	0.20	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-20F

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-003B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: A00722.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/24/14

Extraction: (Type) SEPF Date Extracted: 10/24/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
1918-00-9	Dicamba	0.15	U
94-75-7	2,4-D	0.50	U
93-72-1	2,4,5-TP (Silvex)	0.25	U
93-76-5	2,4,5-T	0.25	U
88-85-7	Dinoseb	0.20	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-SSBR-20U

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF005

Matrix: (soil/water) WATER Lab Sample ID: 1410G41-004B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: A00723.raw

% Moisture: Decanted: (Y/N) N Date Received: 10/24/14

Extraction: (Type) SEPF Date Extracted: 10/24/14

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
1918-00-9	Dicamba	0.15	U
94-75-7	2,4-D	0.50	U
93-72-1	2,4,5-TP (Silvex)	0.25	U
93-76-5	2,4,5-T	0.25	U
88-85-7	Dinoseb	0.20	U

FORM I HERB

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E. METALS

Pace Long Island

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QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

E - Serial dilution is not within acceptance criteria or the reported value is estimated because of the presence of interference. An explanatory note is included in the SDG narrative.

N - Matrix spike sample recovery not within control limits.

* - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).

U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

P - Analyzed by ICP.
MS - Analyzed by ICP-MS
CV - Analyzed by Manual Cold Vapor techniques.
AV - Analyzed by Automated Cold Vapor techniques.
C - Analyzed by Manual Spectrophotometric Method.
CA- Analyzed by Midi-distillation Spectrophotometric Method.
NR - Analyte not Required.

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

GW-SSBR-1-F

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF005

Matrix (soil/water): WATER Lab Sample ID: 1410E15-001

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28600			P
7440-36-0	Antimony	1.6	U	N	P
7440-38-2	Arsenic	296			P
7440-39-3	Barium	105	B		P
7440-41-7	Beryllium	0.40	B		P
7440-43-9	Cadmium	2.5	B		P
7440-70-2	Calcium	108000			P
7440-47-3	Chromium	216			P
7440-48-4	Cobalt	23.7	B		P
7440-50-8	Copper	80.4			P
7439-89-6	Iron	93400			P
7439-92-1	Lead	148			P
7439-95-4	Magnesium	76400			P
7439-96-5	Manganese	834			P
7439-97-6	Mercury	0.49			CV
7440-02-0	Nickel	98.7			P
7440-09-7	Potassium	55000		E	P
7782-49-2	Selenium	30.5			P
7440-22-4	Silver	14.4		N	P
7440-23-5	Sodium	908000			P
7440-28-0	Thallium	9.2	U		P
7440-62-2	Vanadium	104			P
7440-66-6	Zinc	184			P

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 11/11/14

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

GW-SSBR-1-U

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF005

Matrix (soil/water): WATER Lab Sample ID: 1410E15-002

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21700			P
7440-36-0	Antimony	61.6		N	P
7440-38-2	Arsenic	299			P
7440-39-3	Barium	79.2	B		P
7440-41-7	Beryllium	0.60	B		P
7440-43-9	Cadmium	2.1	B		P
7440-70-2	Calcium	97500			P
7440-47-3	Chromium	160			P
7440-48-4	Cobalt	21.7	B		P
7440-50-8	Copper	57.7			P
7439-89-6	Iron	93700			P
7439-92-1	Lead	98.3			P
7439-95-4	Magnesium	66200			P
7439-96-5	Manganese	715			P
7439-97-6	Mercury	0.32			CV
7440-02-0	Nickel	77.0			P
7440-09-7	Potassium	49200		E	P
7782-49-2	Selenium	26.2			P
7440-22-4	Silver	10.7		N	P
7440-23-5	Sodium	829000			P
7440-28-0	Thallium	9.2	U		P
7440-62-2	Vanadium	72.6			P
7440-66-6	Zinc	134			P

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 11/11/14

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

GW-SSBR-7-F

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF005

Matrix (soil/water): WATER Lab Sample ID: 1410F10-001

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9480			P
7440-36-0	Antimony	1.6	U	N	P
7440-38-2	Arsenic	2.0	B		P
7440-39-3	Barium	217			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	95400			P
7440-47-3	Chromium	11.8			P
7440-48-4	Cobalt	25.5	B		P
7440-50-8	Copper	20.2	B		P
7439-89-6	Iron	17000			P
7439-92-1	Lead	15.6			P
7439-95-4	Magnesium	16000			P
7439-96-5	Manganese	2190			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	12.9	B		P
7440-09-7	Potassium	6950		E	P
7782-49-2	Selenium	2.4	U		P
7440-22-4	Silver	0.79	B	N	P
7440-23-5	Sodium	65300			P
7440-28-0	Thallium	9.2	U		P
7440-62-2	Vanadium	16.4	B		P
7440-66-6	Zinc	33.8			P

Color Before: BROWN Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/11/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

GW-SSBR-7-U

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF005

Matrix (soil/water): WATER Lab Sample ID: 1410F10-002

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13200			P
7440-36-0	Antimony	1.6	U	N	P
7440-38-2	Arsenic	2.8	B		P
7440-39-3	Barium	167	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	65300			P
7440-47-3	Chromium	32.2			P
7440-48-4	Cobalt	27.3	B		P
7440-50-8	Copper	30.4			P
7439-89-6	Iron	20100			P
7439-92-1	Lead	25.5			P
7439-95-4	Magnesium	10400			P
7439-96-5	Manganese	1450			P
7439-97-6	Mercury	0.11	B		CV
7440-02-0	Nickel	26.2	B		P
7440-09-7	Potassium	4630	B	E	P
7782-49-2	Selenium	2.4	U		P
7440-22-4	Silver	0.81	B	N	P
7440-23-5	Sodium	43600			P
7440-28-0	Thallium	9.2	U		P
7440-62-2	Vanadium	26.1	B		P
7440-66-6	Zinc	45.0			P

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 11/11/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

GW-SSBR-10-F

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF005

Matrix (soil/water): WATER Lab Sample ID: 1410F10-003

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23600			P
7440-36-0	Antimony	1.6	U	N	P
7440-38-2	Arsenic	11.6			P
7440-39-3	Barium	138	B		P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	1.3	B		P
7440-70-2	Calcium	64800			P
7440-47-3	Chromium	45.2			P
7440-48-4	Cobalt	90.2			P
7440-50-8	Copper	70.8			P
7439-89-6	Iron	31000			P
7439-92-1	Lead	116			P
7439-95-4	Magnesium	8160			P
7439-96-5	Manganese	2040			P
7439-97-6	Mercury	0.31			CV
7440-02-0	Nickel	30.1	B		P
7440-09-7	Potassium	4920	B	E	P
7782-49-2	Selenium	2.4	U		P
7440-22-4	Silver	2.7	B	N	P
7440-23-5	Sodium	84800			P
7440-28-0	Thallium	9.2	U		P
7440-62-2	Vanadium	52.1			P
7440-66-6	Zinc	135			P

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 11/11/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

GW-SSBR-10-U

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF005

Matrix (soil/water): WATER Lab Sample ID: 1410F10-004

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11500			P
7440-36-0	Antimony	1.6	U	N	P
7440-38-2	Arsenic	5.5	B		P
7440-39-3	Barium	78.3	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.50	B		P
7440-70-2	Calcium	59600			P
7440-47-3	Chromium	22.8			P
7440-48-4	Cobalt	75.8			P
7440-50-8	Copper	35.9			P
7439-89-6	Iron	15600			P
7439-92-1	Lead	59.6			P
7439-95-4	Magnesium	6530			P
7439-96-5	Manganese	1660			P
7439-97-6	Mercury	0.14	B		CV
7440-02-0	Nickel	14.9	B		P
7440-09-7	Potassium	3730	B	E	P
7782-49-2	Selenium	2.4	U		P
7440-22-4	Silver	0.99	B	N	P
7440-23-5	Sodium	79400			P
7440-28-0	Thallium	9.2	U		P
7440-62-2	Vanadium	25.1	B		P
7440-66-6	Zinc	70.0			P

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/11/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

GW-SSBR-15F

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF005

Matrix (soil/water): WATER Lab Sample ID: 1410F85-001

Level (low/med): LOW Date Received: 10/23/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2620			P
7440-36-0	Antimony	1.6	U	N	P
7440-38-2	Arsenic	107			P
7440-39-3	Barium	60.5	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	40600			P
7440-47-3	Chromium	12.3			P
7440-48-4	Cobalt	42.2	B		P
7440-50-8	Copper	25.5			P
7439-89-6	Iron	15700			P
7439-92-1	Lead	4.4			P
7439-95-4	Magnesium	8690			P
7439-96-5	Manganese	2150			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.8	B		P
7440-09-7	Potassium	7760		E	P
7782-49-2	Selenium	2.4	U		P
7440-22-4	Silver	1.6	B	N	P
7440-23-5	Sodium	412000			P
7440-28-0	Thallium	9.2	U		P
7440-62-2	Vanadium	3.7	B		P
7440-66-6	Zinc	93.7			P

Color Before: BROWN Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/11/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

GW-SSBR-15U

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF005

Matrix (soil/water): WATER Lab Sample ID: 1410F85-002

Level (low/med): LOW Date Received: 10/23/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10000			P
7440-36-0	Antimony	1.6	U	N	P
7440-38-2	Arsenic	325			P
7440-39-3	Barium	130	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.70	B		P
7440-70-2	Calcium	68000			P
7440-47-3	Chromium	18.7			P
7440-48-4	Cobalt	75.5			P
7440-50-8	Copper	32.3			P
7439-89-6	Iron	40200			P
7439-92-1	Lead	16.5			P
7439-95-4	Magnesium	11200			P
7439-96-5	Manganese	5370			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	22.1	B		P
7440-09-7	Potassium	7670		E	P
7782-49-2	Selenium	2.4	U		P
7440-22-4	Silver	3.8	B	N	P
7440-23-5	Sodium	147000			P
7440-28-0	Thallium	9.2	U		P
7440-62-2	Vanadium	8.0	B		P
7440-66-6	Zinc	72.3			P

Color Before: BROWN Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 11/11/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

GW-SSBR-18F

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF005

Matrix (soil/water): WATER Lab Sample ID: 1410G41-001

Level (low/med): LOW Date Received: 10/24/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23300			P
7440-36-0	Antimony	9.2	B	N	P
7440-38-2	Arsenic	125			P
7440-39-3	Barium	292			P
7440-41-7	Beryllium	2.2	B		P
7440-43-9	Cadmium	238			P
7440-70-2	Calcium	550000			P
7440-47-3	Chromium	173			P
7440-48-4	Cobalt	314			P
7440-50-8	Copper	918			P
7439-89-6	Iron	387000			P
7439-92-1	Lead	53.9			P
7439-95-4	Magnesium	28200			P
7439-96-5	Manganese	19600			P
7439-97-6	Mercury	0.51			CV
7440-02-0	Nickel	288			P
7440-09-7	Potassium	10100		E	P
7782-49-2	Selenium	2.4	U		P
7440-22-4	Silver	34.0		N	P
7440-23-5	Sodium	270000			P
7440-28-0	Thallium	9.2	U		P
7440-62-2	Vanadium	94.9			P
7440-66-6	Zinc	18300			P

Color Before: RED-BROWN Clarity Before: CLOUDY Texture: _____

Color After: BROWN Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 11/11/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

GW-SSBR-18U

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF005

Matrix (soil/water): WATER Lab Sample ID: 1410G41-002

Level (low/med): LOW Date Received: 10/24/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	64900			P
7440-36-0	Antimony	19.7	B	N	P
7440-38-2	Arsenic	476			P
7440-39-3	Barium	1150			P
7440-41-7	Beryllium	5.8			P
7440-43-9	Cadmium	346			P
7440-70-2	Calcium	585000			P
7440-47-3	Chromium	479			P
7440-48-4	Cobalt	350			P
7440-50-8	Copper	1560			P
7439-89-6	Iron	859000			P
7439-92-1	Lead	189			P
7439-95-4	Magnesium	34200			P
7439-96-5	Manganese	27500			P
7439-97-6	Mercury	1.0			CV
7440-02-0	Nickel	451			P
7440-09-7	Potassium	14200		E	P
7782-49-2	Selenium	33.8			P
7440-22-4	Silver	0.30	U	N	P
7440-23-5	Sodium	282000			P
7440-28-0	Thallium	9.2	U		P
7440-62-2	Vanadium	312			P
7440-66-6	Zinc	19400			P

Color Before: RED-BROWN Clarity Before: CLOUDY Texture: _____

Color After: BROWN Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 11/11/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

GW-SSBR-20F

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF005

Matrix (soil/water): WATER Lab Sample ID: 1410G41-003

Level (low/med): LOW Date Received: 10/24/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14000			P
7440-36-0	Antimony	1.6	U	N	P
7440-38-2	Arsenic	6.6	B		P
7440-39-3	Barium	223			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	6.2			P
7440-70-2	Calcium	59400			P
7440-47-3	Chromium	88.7			P
7440-48-4	Cobalt	11.9	B		P
7440-50-8	Copper	92.0			P
7439-89-6	Iron	33500			P
7439-92-1	Lead	14.9			P
7439-95-4	Magnesium	16400			P
7439-96-5	Manganese	13000			P
7439-97-6	Mercury	0.11	B		CV
7440-02-0	Nickel	77.8			P
7440-09-7	Potassium	5810		E	P
7782-49-2	Selenium	2.4	U		P
7440-22-4	Silver	1.7	B	N	P
7440-23-5	Sodium	34700			P
7440-28-0	Thallium	9.2	U		P
7440-62-2	Vanadium	30.7	B		P
7440-66-6	Zinc	754			P

Color Before: RED-BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 11/11/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

GW-SSBR-20U

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF005

Matrix (soil/water): WATER Lab Sample ID: 1410G41-004

Level (low/med): LOW Date Received: 10/24/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27900			P
7440-36-0	Antimony	1.6	U	N	P
7440-38-2	Arsenic	9.5	B		P
7440-39-3	Barium	429			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	7.7			P
7440-70-2	Calcium	69400			P
7440-47-3	Chromium	183			P
7440-48-4	Cobalt	23.8	B		P
7440-50-8	Copper	179			P
7439-89-6	Iron	65900			P
7439-92-1	Lead	28.5			P
7439-95-4	Magnesium	21100			P
7439-96-5	Manganese	15700			P
7439-97-6	Mercury	0.12	B		CV
7440-02-0	Nickel	131			P
7440-09-7	Potassium	7490		E	P
7782-49-2	Selenium	2.4	U		P
7440-22-4	Silver	6.6	B	N	P
7440-23-5	Sodium	37100			P
7440-28-0	Thallium	9.2	U		P
7440-62-2	Vanadium	63.7			P
7440-66-6	Zinc	1250			P

Color Before: RED-BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 11/11/14

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina

Collected : 10/21/2014 9:31:00 AM
Received : 10/21/2014 4:00:00 PM
Collected By Client

Lab No. : 1410E15-001
Client Sample ID: GW-SSBR-1-F

Garvies Point/Glen Cove

Sample Information:
Type : Groundwater

Origin:

Analytical Method: E903.1 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-226 (See Attached)	1.28		1	pCi/L	11/11/2014	Container-01 of 04

Analytical Method: E904.0 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-228 (See Attached)	0.734		1	pCi/L	11/07/2014	Container-01 of 04

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/L	11/13/2014	Container-01 of 04
Subcontract (See Attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 11/14/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina

Lab No. : 1410E15-002
Client Sample ID: GW-SSBR-1-U

Sample Information:
Type : Groundwater

Origin:

Collected : 10/21/2014 9:05:00 AM
Received : 10/21/2014 4:00:00 PM
Collected By Client

Garvies Point/Glen Cove

Analytical Method: E903.1 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-226 (See Attached)	0.958		1	pCi/L	11/11/2014	Container-01 of 04

Analytical Method: E904.0 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-228 (See Attached)	0.774		1	pCi/L	11/07/2014	Container-01 of 04

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02
Subcontract (See Attached)	-	+	1	pCi/L	11/13/2014	Container-01 of 04

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 11/14/2014

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF**

Date and Time Received: **10/21/2014 4:00:00 PM**

Work Order Number: **1410E15** RcptNo: **1**

Received by **Linda Siciliano**

Completed by:

Reviewed by:

Completed Date: 10/21/2014 6:18:35 PM

Reviewed Date: 10/26/2014 6:53:45 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐
Response when temperature is outside of range:	Samples were collected the same day and chilled.			
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To 14.7 º	
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF005 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1410E15

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina

Collected : 10/22/2014 8:39:00 AM
Received : 10/22/2014 5:00:00 PM
Collected By Client

Lab No. : 1410F10-001
Client Sample ID: GW-SSBR-7-F

Garvies Point/Glen Cove

Sample Information:
Type : Groundwater

Origin:

Analytical Method: E903.1 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-226 (See Attached)	1.06		1	pCi/L	11/11/2014	Container-01 of 04

Analytical Method: E904.0 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-228 (See Attached)	0.659		1	pCi/L	11/07/2014	Container-01 of 04

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02
Subcontract (See Attached)	-	+	1	pCi/L	11/13/2014	Container-01 of 04

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 11/19/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/22/2014 8:32:00 AM
Received : 10/22/2014 5:00:00 PM
Collected By Client

Lab No. : 1410F10-002
Client Sample ID: GW-SSBR-7-U

Garvies Point/Glen Cove

Sample Information:
Type : Groundwater

Origin:

Analytical Method: E903.1 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-226 (See Attached)	6.13		1	pCi/L	11/11/2014	Container-01 of 04

Analytical Method: E904.0 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-228 (See Attached)	5.52		1	pCi/L	11/07/2014	Container-01 of 04

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02
Subcontract (See Attached)	-	+	1	pCi/L	11/13/2014	Container-01 of 04

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 11/19/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina

Collected : 10/22/2014 1:31:00 PM
Received : 10/22/2014 5:00:00 PM
Collected By Client

Lab No. : 1410F10-003
Client Sample ID: GW-SSBR-10-F

Garvies Point/Glen Cove

Sample Information:
Type : Groundwater

Origin:

Analytical Method: E903.1 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-226 (See Attached)	6.89		1	pCi/L	11/11/2014	Container-01 of 04

Analytical Method: E904.0 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-228 (See Attached)	4.08		1	pCi/L	11/07/2014	Container-01 of 04

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02
Subcontract (See Attached)	-	+	1	pCi/L	11/14/2014	Container-01 of 04

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 11/19/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina

Collected : 10/22/2014 1:15:00 PM
Received : 10/22/2014 5:00:00 PM
Collected By Client

Lab No. : 1410F10-004
Client Sample ID: GW-SSBR-10-U

Garvies Point/Glen Cove

Sample Information:
Type : Groundwater

Origin:

Analytical Method: E903.1 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-226 (See Attached)	0.441		1	pCi/L	11/11/2014	Container-01 of 04

Analytical Method: E904.0 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-228 (See Attached)	0.380		1	pCi/L	11/07/2014	Container-01 of 04

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02
Subcontract (See Attached)	-	+	1	pCi/L	11/14/2014	Container-01 of 04

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 11/19/2014

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF** Date and Time Received: **10/22/2014 5:00:00 PM**

Work Order Number: **1410F10** RcptNo: **1** Received by **MelissaWatson**

Completed by: Reviewed by:

Completed Date: 10/24/2014 8:32:38 PM Reviewed Date: 10/26/2014 7:10:41 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	5.6 To	5.8 º
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF005 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1410F10

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina

Lab No. : 1410F85-001
Client Sample ID: GW-SSBR-15F

Sample Information:
Type : Groundwater

Origin:

Collected : 10/23/2014 11:35:00 AM
Received : 10/23/2014 3:30:00 PM
Collected By Client

Garvies Point/Glen Cove

Analytical Method: E903.1 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-226 (See Attached)	0.914		1	pCi/L	11/11/2014	Container-01 of 04

Analytical Method: E904.0 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-228 (See Attached)	0.945		1	pCi/L	11/07/2014	Container-01 of 04

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02
Subcontract (See Attached)	-	+	1	pCi/L	11/16/2014	Container-01 of 04

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 11/19/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina

Lab No. : 1410F85-002
Client Sample ID: GW-SSBR-15U

Sample Information:
Type : Groundwater

Origin:

Collected : 10/23/2014 11:15:00 AM
Received : 10/23/2014 3:30:00 PM
Collected By Client

Garvies Point/Glen Cove

Analytical Method: E903.1 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-226 (See Attached)	2.11		1	pCi/L	11/11/2014	Container-01 of 04

Analytical Method: E904.0 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-228 (See Attached)	2.13		1	pCi/L	11/07/2014	Container-01 of 04

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02
Subcontract (See Attached)	-	+	1	pCi/L	11/17/2014	Container-01 of 04

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 11/19/2014

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF** Date and Time Received: **10/23/2014 3:30:00 PM**

Work Order Number: **1410F85** RcptNo: **1** Received by **JoshLaedke**

Completed by: Reviewed by:

Completed Date: 10/23/2014 3:58:28 PM Reviewed Date: 10/28/2014 11:38:46 AM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☐	No ☑		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☐	No ☑	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐
Response when temperature is outside of range:	Samples were collected the same day and chilled.			
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To 19.1 º	
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

trip blank received with samples but not on COC

CorrectiveAction:

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1410F85

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina

Lab No. : 1410G41-001
Client Sample ID: GW-SSBR-18F

Sample Information:
Type : Groundwater

Origin:

Collected : 10/23/2014 2:00:00 PM
Received : 10/24/2014 11:05:00 AM Garvies Point/Glen Cove
Collected By Client

Analytical Method: E903.1 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-226 (See Attached)	0.832		1	pCi/L	11/11/2014	Container-01 of 04

Analytical Method: E904.0 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-228 (See Attached)	2.66		1	pCi/L	11/07/2014	Container-01 of 04

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02
Subcontract (See Attached)	-	+	1	pCi/L	11/18/2014	Container-01 of 04

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 11/24/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina

Lab No. : 1410G41-002
Client Sample ID: GW-SSBR-18U

Sample Information:
Type : Groundwater

Origin:

Collected : 10/23/2014 1:45:00 PM
Received : 10/24/2014 11:05:00 AM Garvies Point/Glen Cove
Collected By Client

Analytical Method: E903.1 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-226 (See Attached)	5.49		1	pCi/L	11/11/2014	Container-01 of 04

Analytical Method: E904.0 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-228 (See Attached)	6.24		1	pCi/L	11/07/2014	Container-01 of 04

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02
Subcontract (See Attached)	-	+	1	pCi/L	11/18/2014	Container-01 of 04

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 11/24/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina

Lab No. : 1410G41-003
Client Sample ID: GW-SSBR-20F

Sample Information:
Type : Groundwater

Origin:

Collected : 10/23/2014 3:45:00 PM
Received : 10/24/2014 11:05:00 AM Garvies Point/Glen Cove
Collected By Client

Analytical Method: E903.1 :						Analyst: Sub
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-226 (See Attached)	1.43		1	pCi/L	11/11/2014	Container-01 of 04

Analytical Method: E904.0 :						Analyst: Sub
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-228 (See Attached)	0.656		1	pCi/L	11/07/2014	Container-01 of 04

Analytical Method: SUB :						Analyst: Sub
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02
Subcontract (See Attached)	-	+	1	pCi/L	11/18/2014	Container-01 of 04

Analytical Method: ASTM D5174 :						Analyst: Sub
Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 11/24/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina

Lab No. : 1410G41-004
Client Sample ID: GW-SSBR-20U

Sample Information:
Type : Groundwater

Origin:

Collected : 10/23/2014 3:20:00 PM
Received : 10/24/2014 11:05:00 AM
Collected By Client

Garvies Point/Glen Cove

Analytical Method: E903.1 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-226 (See Attached)	1.43		1	pCi/L	11/11/2014	Container-01 of 04

Analytical Method: E904.0 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Radium-228 (See Attached)	1.66		1	pCi/L	11/07/2014	Container-01 of 04

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02
Subcontract (See Attached)	-	+	1	pCi/L	11/18/2014	Container-01 of 04

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/L	11/12/2014	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 11/24/2014

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF**

Date and Time Received: **10/24/2014 11:05:00 AM**

Work Order Number: **1410G41** RcptNo: **1**

Received by **Linda Siciliano**

Completed by:

Reviewed by:

Completed Date: 10/29/2014 4:19:25 PM

Reviewed Date: 10/29/2014 4:18:32 PM

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	3.3 To	5.5 º
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF005 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1410G41

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

Pace Long Island

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ANALYTICAL DATA PACKAGE
ASP A PACKAGE

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GANNETT & FLEMING
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SOIL SAMPLES
SDG NO.: GNF008

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- **B. SEMIVOLATILES**
- **C. PESTICIDES/PCBs**
- **D. HERBICIDES**
- **E. METALS**

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I. SDG NARRATIVE

Pace Long Island

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fax 631.420.8436

SDG NARRATIVE FOR VOLATILES ANALYSIS
SAMPLE(S) RECEIVED: 11/17/14 & 11/18/14
SDG#: GNF008

For Sample(s):

SBFT-1 (0-5)	SBFT-3 (5-10)	SBFT-6 (5-10)
SBFT-1 (5-10)	SBFT-4 (0-5)	SBFT-6 (10-15)
SBFT-1 (10-15)	SBFT-5 (0-5)	SBFT-7 (0-5)
SBFT-2 (0-5)	SBFT-5 (5-10)	SBFT-7 (5-10)
SBFT-2 (5-10)	SBFT-5 (10-15)	SBFT-8 (0-5)
SBFT-2 (10-15)	SBFT-5 (15-20)	SBFT-8 (5-10)
SBFT-3 (0-5)	SBFT-6 (0-5)	

The above soil sample(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260C and reported in accordance with the NYS ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/matrix spike duplicate analysis. Lab fortified blanks were analyzed, and all percent recoveries were within Q. C. limits.

One sample was re-analyzed at a dilution due to high acetone concentration. The reanalysis at the dilution shows a much lower acetone concentration. Contamination is suspected. Both sets of data are submitted.

Three samples had low areas for internal standards (IS) and were reanalyzed. The re-analyses still had low IS areas confirming matrix interference. Both sets of data are submitted.

In the initial calibration, average response factors were employed for most analytes, and regression function(s) was/were used for the compound(s) with an RSD above 20%. If variability criteria for the continuous calibration checks (CCV) of 20%D were not met, results are regarded estimated and are flagged with a "Z" qualifier.

Low levels of methylene chloride, acetone, and chloroform below reporting limit were present in the method blanks. The analytes were flagged with the qualifier "B" in associated samples if detected.

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SDG NARRATIVE FOR VOLATILES ANALYSIS
SAMPLE(S) RECEIVED: 11/17/14 & 11/18/14
SDG#: GNF008

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: December 8, 2014

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Ursula Middel
Quality Analyst

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ANALYSES
SAMPLE(S) RECEIVED: 11/17/14 & 11/18/14
SDG #: GNF008

For Sample(s):

SBFT-1 (0-5)	SBFT-3 (0-5)	SBFT-5 (15-20)	SBFT-8 (0-5)
SBFT-1 (5-10)	SBFT-3 (5-10)	SBFT-6 (0-5)	SBFT-8 (5-10)
SBFT-1 (10-15)	SBFT-4 (0-5)	SBFT-6 (5-10)	
SBFT-2 (0-5)	SBFT-5 (0-5)	SBFT-6 (10-15)	
SBFT-2 (5-10)	SBFT-5 (5-10)	SBFT-7 (0-5)	
SBFT-2 (10-15)	SBFT-5 (10-15)	SBFT-7 (5-10)	

The above sample(s) was/were analyzed for a select list of base/neutral extractables by EPA method 8270D.in accordance with the NYSDEC ASP, Rev. 7/2005, Category A.

All Q.C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

Pentachlorophenol had a %RSB greater than 20%.

Internal Standard area counts are low in samples SBFT-2 (0-5), SBFT-2 (5-10), SBFT-2 (10-15), SBFT-5 (10-15), SBFT-6 (0-5), SBFT-7 (0-5), and SBFT-7 (5-10). Similar area counts were observed in the re-injections. Both sets are submitted.

Sample SBFT-5 (10-15) was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPD's were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: December 16, 2014

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****
Joann M. Slavin
General Manager

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLE(S) RECEIVED: 11/17/14 & 11/18/14
SDG#: GNF008

For Sample(s):

SBFT-1 (0-5)	SBFT-3 (5-10)	SBFT-6 (5-10)
SBFT-1 (5-10)	SBFT-4 (0-5)	SBFT-6 (10-15)
SBFT-1 (10-15)	SBFT-5 (0-5)	SBFT-7 (0-5)
SBFT-2 (0-5)	SBFT-5 (5-10)	SBFT-7 (5-10)
SBFT-2 (5-10)	SBFT-5 (10-15)	SBFT-8 (0-5)
SBFT-2 (10-15)	SBFT-5 (15-20)	SBFT-8 (5-10)
SBFT-3 (0-5)	SBFT-6 (0-5)	

The above soil sample(s) was/were analyzed for a select list of chlorinated pesticides and aroclors by methods 8081B and 8082A and reported in accordance with the NYSDEC ASP, Rev. 7/2005, Category A.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. The following should be noted:

The concentrated extracts were split and analyzed separately for pesticides and PCBs. The aliquots for aroclors analysis were cleaned up with sulfuric acid and TBA for sulfur removal. These aliquots for aroclors analysis are reported with an "A" suffix. A number of pesticides aliquots also had to be subjected to sulfur cleanup. These samples are identified with the suffix "S".

Sample SBFT-5 (10-15) was submitted for matrix spike/ matrix spike duplicate (MS/MSD) analysis. Toxaphene spikes were selected for representative testing. The recovery in the MS was within Q. C. limits, but the MSD recovery was low. Lab fortified blanks were analyzed, and recoveries indicate good method efficiency for all targeted analytes also including the cleanup procedures.

One sample was re-analyzed at a dilution due to concentrations of a targeted analyte above the calibration range. Both sets of data are submitted.

Continuous calibration verifications (CCV) and breakdown checks (PEM) for 4,4'-DDT throughout the analytical sequence shows that the sample matrix caused excessive breakdown, which affected both analytical columns. The positive samples bracketed by the CCVs and PEMs which showed breakdown are:

SBFT-1 (0-5)	SBFT-5 (0-5)DL
SBFT-1 (5-10)	SBFT-5 (5-10)
SBFT-1 (10-15)	SBFT-6 (0-5)
SBFT-2 (0-5)	SBFT-7 (0-5)
SBFT-2 (5-10)	SBFT-7 (5-10)
SBFT-2 (10-15)	SBFT-8 (0-5)
SBFT-5 (0-5)	

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SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLE(S) RECEIVED: 11/17/14 & 11/18/14
SDG#: GNF008

For these samples results for the DDT-metabolites are regarded estimated, and 4,4'DDT will be biased low, whereas 4,4'-DDE and 4,4'-DDD are expected to be biased high.

One of the CCVs did not meet acceptance criteria for variability for all analytes on one of the two analytical columns. One sample was affected (SBFT-5 (0-5)). The result for 4,4'-DDE in that sample was reported from the other (compliant) column.

Positives are reported to the practical detection limits of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: December 9, 2014

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Ursula Middel
Quality Analyst

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSIS
SAMPLE(S) RECEIVED: 11/17/14 & 11/18/14
SDG#: GNF008

For Sample(s):

SBFT-1 (0-5)	SBFT-3 (5-10)	SBFT-6 (5-10)
SBFT-1 (5-10)	SBFT-4 (0-5)	SBFT-6 (10-15)
SBFT-1 (10-15)	SBFT-5 (0-5)	SBFT-7 (0-5)
SBFT-2 (0-5)	SBFT-5 (5-10)	SBFT-7 (5-10)
SBFT-2 (5-10)	SBFT-5 (10-15)	SBFT-8 (0-5)
SBFT-2 (10-15)	SBFT-5 (15-20)	SBFT-8 (5-10)
SBFT-3 (0-5)	SBFT-6 (0-5)	

The above soil sample(s) was/were analyzed for 2,4,5-TP by method 8151A and reported according to the requirements of the NYS DEC ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

Samples SBFT-3 (0-5) and SBFT-6 (5-10) were selected for batch Q. C. matrix spike/ matrix spike duplicate analysis. Recoveries and RPDs were within Q. C. limits. Lab fortified blanks were analyzed with the batches, and results indicate good method efficiency.

Positives are reported to the practical detection limit (PDL) of half of the reporting limit (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: December 9, 2014

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Ursula Middel
Quality Analyst

Pace Long Island

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 11/17/14 & 11/18/14
SDG#: GNF008

For Sample(s):

SBFT-1 (0-5)	SBFT-2 (10-15)	SBFT-5 (5-10)	SBFT-6 (10-15)
SBFT-1 (5-10)	SBFT-3 (0-5)	SBFT-5 (10-15)	SBFT-7 (0-5)
SBFT-1 (10-15)	SBFT-3 (5-10)	SBFT-5 (15-20)	SBFT-7 (5-10)
SBFT-2 (0-5)	SBFT-4 (0-5)	SBFT-6 (0-5)	SBFT-8 (0-5)
SBFT-2 (5-10)	SBFT-5 (0-5)	SBFT-6 (5-10)	SBFT-8 (5-10)

The above water sample(s) was/were received by Pace Analytical Services Inc. for analysis of TAL metals and mercury. The samples were prepared and analyzed by EPA method 6010C with a TS ICAP 6000 instrument and EPA method 7470A with a Leeman HYDRA mercury analyzer.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SBFT-1 (0-5) was selected for batch Q. C. analysis and reporting.

Spike analysis results did not meet acceptance criteria for mercury, selenium, silver and thallium. The sample was post spiked, reanalyzed and recoveries were 89.8% for mercury and 94.6% for thallium. Selenium and silver recovered 5% for the post spike. Data for these metals were flagged with the qualifier "N" on forms 1 and 5A.

The spike recovery was not within 75-125% for iron and lead. Since the sample concentrations were greater than four times the spike concentrations, Q. C. limits do not apply, and post spikes and data qualifiers were not required.

The ICP serial dilution analysis did not meet control limits for chromium and cobalt. Data for these metals were reported flagged "E" on forms 1 and 9.

Samples were diluted as needed.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: December 16, 2014

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Joann M. Slavin
General Manager

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II. NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: GNF008

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		GCSEMI	ME	MSSEMI	MSVOA	SUBPACE
SBFT-1 (0-5)	1411B85-001	X	X	X	X	X
SBFT-1 (5-10)	1411B85-002	X	X	X	X	X
SBFT-1 (10-15)	1411B85-003	X	X	X	X	X
SBFT-2 (0-5)	1411B85-004	X	X	X	X	X
SBFT-2 (5-10)	1411B85-005	X	X	X	X	X
SBFT-2 (10-15)	1411B85-006	X	X	X	X	X
SBFT-3 (0-5)	1411B85-007	X	X	X	X	X
SBFT-3 (5-10)	1411B85-008	X	X	X	X	X
SBFT-4 (0-5)	1411B85-009	X	X	X	X	X
SBFT-5 (0-5)	1411B85-010	X	X	X	X	X
SBFT-5 (5-10)	1411B85-011	X	X	X	X	X
SBFT-5 (10-15)	1411B85-012	X	X	X	X	X
SBFT-5 (15-20)	1411B85-013	X	X	X	X	X
SBFT-6 (0-5)	1411C55-001	X	X	X	X	X
SBFT-6 (5-10)	1411C55-002	X	X	X	X	X
SBFT-6 (10-15)	1411C55-003	X	X	X	X	X
SBFT-7 (0-5)	1411C55-004	X	X	X	X	X
SBFT-7 (5-10)	1411C55-005	X	X	X	X	X
SBFT-8 (0-5)	1411C55-006	X	X	X	X	X
SBFT-8 (5-10)	1411C55-007	X	X	X	X	X

CLP, Non-CLP (Please indicate year of protocol)
TCL/TAL, HSL, Priority Pollutant,

ASP A. 2000
BC 12-17-14

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: GNF008

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1411B85-001A	SBFT-1 (0-5)	Soil	ASPB8260	17-Nov-14	17-Nov-14		19-Nov-14		1	LOW	
1411B85-002A	SBFT-1 (5-10)	Soil	ASPB8260	17-Nov-14	17-Nov-14		19-Nov-14		1	LOW	
1411B85-002ARE	SBFT-1 (5-10)RE	Soil	ASPB8260	17-Nov-14	17-Nov-14		19-Nov-14		1	LOW	
1411B85-003A	SBFT-1 (10-15)	Soil	ASPB8260	17-Nov-14	17-Nov-14		19-Nov-14		1	LOW	
1411B85-004A	SBFT-2 (0-5)	Soil	ASPB8260	17-Nov-14	17-Nov-14		19-Nov-14		1	LOW	
1411B85-005A	SBFT-2 (5-10)	Soil	ASPB8260	17-Nov-14	17-Nov-14		19-Nov-14		1	LOW	
1411B85-006A	SBFT-2 (10-15)	Soil	ASPB8260	17-Nov-14	17-Nov-14		19-Nov-14		1	LOW	
1411B85-007A	SBFT-3 (0-5)	Soil	ASPB8260	17-Nov-14	17-Nov-14		19-Nov-14		1	LOW	
1411B85-007ARE	SBFT-3 (0-5)RE	Soil	ASPB8260	17-Nov-14	17-Nov-14		21-Nov-14		1	LOW	
1411B85-008A	SBFT-3 (5-10)	Soil	ASPB8260	17-Nov-14	17-Nov-14		19-Nov-14		1	LOW	
1411B85-009A	SBFT-4 (0-5)	Soil	ASPB8260	17-Nov-14	17-Nov-14		19-Nov-14		1	LOW	
1411B85-009ARE	SBFT-4 (0-5)RE	Soil	ASPB8260	17-Nov-14	17-Nov-14		21-Nov-14		1	LOW	
1411B85-010A	SBFT-5 (0-5)	Soil	ASPB8260	17-Nov-14	17-Nov-14		19-Nov-14		1	LOW	
1411B85-010ADL	SBFT-5 (0-5)DL	Soil	ASPB8260	17-Nov-14	17-Nov-14		21-Nov-14		2.5	LOW	
1411B85-011A	SBFT-5 (5-10)	Soil	ASPB8260	17-Nov-14	17-Nov-14		19-Nov-14		1	LOW	
1411B85-012A	SBFT-5 (10-15)	Soil	ASPB8260	17-Nov-14	17-Nov-14		19-Nov-14		1	LOW	
1411B85-012ARE	SBFT-5 (10-15)RE	Soil	ASPB8260	17-Nov-14	17-Nov-14		21-Nov-14		1	LOW	
1411B85-013A	SBFT-5 (15-20)	Soil	ASPB8260	17-Nov-14	17-Nov-14		19-Nov-14		1	LOW	
1411B85-013ARE	SBFT-5 (15-20)RE	Soil	ASPB8260	17-Nov-14	17-Nov-14		21-Nov-14		1	LOW	
1411C55-001A	SBFT-6 (0-5)	Soil	ASPB8260	18-Nov-14	18-Nov-14		19-Nov-14		1	LOW	
1411C55-002A	SBFT-6 (5-10)	Soil	ASPB8260	18-Nov-14	18-Nov-14		19-Nov-14		1	LOW	
1411C55-003A	SBFT-6 (10-15)	Soil	ASPB8260	18-Nov-14	18-Nov-14		19-Nov-14		1	LOW	
1411C55-004A	SBFT-7 (0-5)	Soil	ASPB8260	18-Nov-14	18-Nov-14		25-Nov-14		1	LOW	
1411C55-005A	SBFT-7 (5-10)	Soil	ASPB8260	18-Nov-14	18-Nov-14		25-Nov-14		1	LOW	
1411C55-006A	SBFT-8 (0-5)	Soil	ASPB8260	18-Nov-14	18-Nov-14		25-Nov-14		1	LOW	
1411C55-007A	SBFT-8 (5-10)	Soil	ASPB8260	18-Nov-14	18-Nov-14		25-Nov-14		1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

SDG: GNF008

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1411B85-001B	SBFT-1(0-5)	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411B85-002B	SBFT-1(5-10)	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411B85-003B	SBFT-1(10-15)	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411B85-004B	SBFT-2(0-5)	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411B85-004BRE	SBFT-2(0-5)RE	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	
1411B85-005B	SBFT-2(5-10)	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411B85-005BRE	SBFT-2(5-10)RE	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	
1411B85-006B	SBFT-2(10-15)	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411B85-006BRE	SBFT-2(10-15)RE	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	
1411B85-007B	SBFT-3(0-5)	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411B85-008B	SBFT-3(5-10)	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411B85-009B	SBFT-4(0-5)	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411B85-010B	SBFT-5(0-5)	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411B85-010BRE	SBFT-5(0-5)RE	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	
1411B85-011B	SBFT-5(5-10)	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411B85-011BRE	SBFT-5(5-10)RE	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	
1411B85-012B	SBFT-5(10-15)	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411B85-012BMS	SBFT-5(10-15)MS	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411B85-012BMSD	SBFT-5(10-15)MSD	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411B85-013B	SBFT-5(15-20)	Soil	8270	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C55-001B	SBFT-6(0-5)	Soil	8270	18-Nov-14	18-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C55-001BRE	SBFT-6(0-5)RE	Soil	8270	18-Nov-14	18-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	
1411C55-002B	SBFT-6(5-10)	Soil	8270	18-Nov-14	18-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C55-003B	SBFT-6(10-15)	Soil	8270	18-Nov-14	18-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C55-004B	SBFT-7(0-5)	Soil	8270	18-Nov-14	18-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C55-004BRE	SBFT-7(0-5)RE	Soil	8270	18-Nov-14	18-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	
1411C55-005B	SBFT-7(5-10)	Soil	8270	18-Nov-14	18-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C55-005BRE	SBFT-7(5-10)RE	Soil	8270	18-Nov-14	18-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1411C55-006B	SBFT-8(0-5)	Soil	8270	18-Nov-14	18-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C55-007B	SBFT-8(5-10)	Soil	8270	18-Nov-14	18-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF008

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1411b85-001b	SBFT-1 (0-5)A	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR H2SO4
1411b85-001b	SBFT-1 (0-5)S	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR
1411b85-002b	SBFT-1 (5-10)A	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411b85-002b	SBFT-1 (5-10)S	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR
1411b85-003b	SBFT-1 (10-15)A	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411b85-003b	SBFT-1 (10-15)S	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	03-Dec-14	PFEX	1	LOW	SLFR
1411b85-004b	SBFT-2 (0-5)A	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	03-Dec-14	PFEX	1	LOW	SLFR H2SO4
1411b85-004b	SBFT-2 (0-5)S	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	03-Dec-14	PFEX	1	LOW	SLFR
1411b85-005b	SBFT-2 (5-10)S	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR
1411b85-005b	SBFT-2 (5-10)A	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411b85-006b	SBFT-2 (10-15)A	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411b85-006b	SBFT-2 (10-15)S	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR
1411b85-007b	SBFT-3 (0-5)	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	
1411b85-007b	SBFT-3 (0-5)A	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411b85-008b	SBFT-3 (5-10)	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	
1411b85-008b	SBFT-3 (5-10)A	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411b85-009b	SBFT-4 (0-5)A	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411b85-009b	SBFT-4 (0-5)	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	
1411b85-010b	SBFT-5 (0-5)S	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR
1411b85-010b	SBFT-5 (0-5)A	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411b85-010b	SBFT-5 (0-5)SDL	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	03-Dec-14	PFEX	5	LOW	SLFR
1411b85-011b	SBFT-5 (5-10)S	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR
1411b85-011b	SBFT-5 (5-10)A	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411b85-012b	SBFT-5 (10-15)A	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411b85-012b	SBFT-5 (10-15)	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	05-Dec-14	PFEX	1	LOW	
1411b85-012bms	SBFT-5 (10-15)MS	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	
1411b85-012bmsd	SBFT-5 (10-15)MSD	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	
1411b85-013b	SBFT-5 (15-20)A	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1411b85-013b	SBFT-5 (15-20)	Soil	SW8081/8082	17-Nov-14	17-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	
1411c55-001b	SBFT-6 (0-5)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411c55-001b	SBFT-6 (0-5)	Soil	SW8081/8082	18-Nov-14	18-Nov-14	19-Nov-14	02-Dec-14	PFEX	1	LOW	
1411c55-002b	SBFT-6 (5-10)	Soil	SW8081/8082	18-Nov-14	18-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	
1411c55-002b	SBFT-6 (5-10)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411c55-003b	SBFT-6 (10-15)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411c55-003b	SBFT-6 (10-15)	Soil	SW8081/8082	18-Nov-14	18-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	
1411c55-004b	SBFT-7 (0-5)	Soil	SW8081/8082	18-Nov-14	18-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	
1411c55-004b	SBFT-7 (0-5)S	Soil	SW8081/8082	18-Nov-14	18-Nov-14	19-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR
1411c55-005b	SBFT-7 (5-10)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411c55-005b	SBFT-7 (5-10)S	Soil	SW8081/8082	18-Nov-14	18-Nov-14	19-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR
1411c55-006b	SBFT-8 (0-5)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411c55-006b	SBFT-8 (0-5)	Soil	SW8081/8082	18-Nov-14	18-Nov-14	19-Nov-14	02-Dec-14	PFEX	1	LOW	
1411c55-007b	SBFT-8 (5-10)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	19-Nov-14	25-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411c55-007b	SBFT-8 (5-10)	Soil	SW8081/8082	18-Nov-14	18-Nov-14	19-Nov-14	26-Nov-14	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF008

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1411B85-001B	SBFT-1 (0-5)	Soil	SW8151	17-Nov-14	17-Nov-14	19-Nov-14	21-Nov-14	Shake/SEPF	1	LOW	
1411B85-002B	SBFT-1 (5-10)	Soil	SW8151	17-Nov-14	17-Nov-14	19-Nov-14	21-Nov-14	Shake/SEPF	1	LOW	
1411B85-003B	SBFT-1 (10-15)	Soil	SW8151	17-Nov-14	17-Nov-14	19-Nov-14	21-Nov-14	Shake/SEPF	1	LOW	
1411B85-004B	SBFT-2 (0-5)	Soil	SW8151	17-Nov-14	17-Nov-14	19-Nov-14	21-Nov-14	Shake/SEPF	1	LOW	
1411B85-005B	SBFT-2 (5-10)	Soil	SW8151	17-Nov-14	17-Nov-14	19-Nov-14	21-Nov-14	Shake/SEPF	1	LOW	
1411B85-006B	SBFT-2 (10-15)	Soil	SW8151	17-Nov-14	17-Nov-14	19-Nov-14	21-Nov-14	Shake/SEPF	1	LOW	
1411B85-007B	SBFT-3 (0-5)	Soil	SW8151	17-Nov-14	17-Nov-14	19-Nov-14	21-Nov-14	Shake/SEPF	1	LOW	
1411B85-007Bms	SBFT-3 (0-5)MS	Soil	SW8151	17-Nov-14	17-Nov-14	19-Nov-14	21-Nov-14	Shake/SEPF	1	LOW	
1411B85-007Bmsd	SBFT-3 (0-5)MSD	Soil	SW8151	17-Nov-14	17-Nov-14	19-Nov-14	21-Nov-14	Shake/SEPF	1	LOW	
1411B85-008B	SBFT-3 (5-10)	Soil	SW8151	17-Nov-14	17-Nov-14	19-Nov-14	21-Nov-14	Shake/SEPF	1	LOW	
1411B85-009B	SBFT-4 (0-5)	Soil	SW8151	17-Nov-14	17-Nov-14	19-Nov-14	21-Nov-14	Shake/SEPF	1	LOW	
1411B85-010B	SBFT-5 (0-5)	Soil	SW8151	17-Nov-14	17-Nov-14	19-Nov-14	21-Nov-14	Shake/SEPF	1	LOW	
1411B85-011B	SBFT-5 (5-10)	Soil	SW8151	17-Nov-14	17-Nov-14	19-Nov-14	21-Nov-14	Shake/SEPF	1	LOW	
1411B85-012B	SBFT-5 (10-15)	Soil	SW8151	17-Nov-14	17-Nov-14	19-Nov-14	21-Nov-14	Shake/SEPF	1	LOW	
1411B85-013B	SBFT-5 (15-20)	Soil	SW8151	17-Nov-14	17-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C55-001B	SBFT-6 (0-5)	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C55-002B	SBFT-6 (5-10)	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C55-002BMS	SBFT-6 (5-10)MS	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C55-002BMSD	SBFT-6 (5-10)MSD	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C55-003B	SBFT-6 (10-15)	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C55-004B	SBFT-7 (0-5)	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C55-005B	SBFT-7 (5-10)	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C55-006B	SBFT-8 (0-5)	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C55-007B	SBFT-8 (5-10)	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG : GNF008

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	DateRecd at Lab	Date Analyzed
1411B85-001	SBFT-1 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	17-Nov-14	11/14 - 12/14
1411B85-001DUP	SBFT-1 (0-5)D	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	17-Nov-14	11/14 - 12/14
1411B85-001MS	SBFT-1 (0-5)S	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	17-Nov-14	11/14 - 12/14
1411B85-002	SBFT-1 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	17-Nov-14	11/14 - 12/14
1411B85-003	SBFT-1 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	17-Nov-14	11/14 - 12/14
1411B85-004	SBFT-2 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	17-Nov-14	11/14 - 12/14
1411B85-005	SBFT-2 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	17-Nov-14	11/14 - 12/14
1411B85-006	SBFT-2 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	17-Nov-14	11/14 - 12/14
1411B85-007	SBFT-3 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	17-Nov-14	11/14 - 12/14
1411B85-008	SBFT-3 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	17-Nov-14	11/14 - 12/14
1411B85-009	SBFT-4 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	17-Nov-14	11/14 - 12/14
1411B85-010	SBFT-5 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	17-Nov-14	11/14 - 12/14
1411B85-011	SBFT-5 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	17-Nov-14	11/14 - 12/14
1411B85-012	SBFT-5 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	17-Nov-14	11/14 - 12/14
1411B85-013	SBFT-5 (15-20)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	17-Nov-14	11/14 - 12/14
1411C55-001	SBFT-6 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C55-002	SBFT-6 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C55-003	SBFT-6 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C55-004	SBFT-7 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C55-005	SBFT-7 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C55-006	SBFT-8 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C55-007	SBFT-8 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

III. CHAIN OF CUSTODY FORMS

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

02482

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF008

PROJECT NAME/NUMBER
Garries / Glen Cove NY

SAMPLERS: (Signature)/Client
Gannett Fleming
100 Crossways Park Drive West
Woodbury NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES:
3.2°C

Project Contact: Manfred Bohms
Phone Number: (516) 364-4140
mbohms@gfnet.com
PIS/Quote #

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description: Terra Core/VOAs	4oz. Jar	2oz. Jar	8oz. Jar							LAB I.D. NO.	REMARKS:
					ANALYSIS REQUESTED: VOCs	Semi-Vol. Hydrocarbons	metals	Reactivity								
11/17/14	10:30	SL	SBFT-1 (0-5)	7	4	1	1	1							1411B85-001	
	10:45		SBFT-1 (5-10)	7	4	1	1	1							002	
	10:55		SBFT-1 (10-15)	7	4	1	1	1							003	
	11:20		SBFT-2 (0-5)	7	4	1	1	1							004	
	11:29		SBFT-2 (5-10)	7	4	1	1	1							005	
	11:38		SBFT-2 (10-15)	7	4	1	1	1							006	
	12:00		SBFT-3 (0-5)	7	4	1	1	1							007	
	12:11		SBFT-3 (5-10)	7	4	1	1	1							008	
	12:35		SBFT-4 (0-5)	7	4	1	1	1							009	
	13:03		SBFT-5 (0-5)	7	4	1	1	1							010	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	11/17/14	16:10	[signature]	11/17	16:10
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	11/17	17:30	[signature]	11-17-14	1730
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ✓ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF008 S20

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

02483

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF008

PROJECT NAME/NUMBER
Garnes Point Rd / Glen Cove

SAMPLERS: (Signature)/Client
Garnett Fleming
100 Crossways Park Drive West
Woodbury, NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES:
3.2 °C

Project Contact: Manfred Bohms

Phone Number: (516) 364-4140
mbohms@gtnet.com

PIS/Quote #

Sample Container Description: Terra Core/VOAs; 4 oz. Jar; 2 oz. Jar; 8 oz. Jar

Total No. of Containers

ANALYSIS REQUESTED: VOCs; SVOCs/PCBs/Pest; metals; Rad/pH

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/PCBs/Pest	metals	Rad/pH	LAB I.D. NO.	REMARKS:
11/17/14	13:10	SL	SBFT-5(5-10)	7	4	1	1	1	1411B85-011	
↓	13:17	↓	SBFT-5(10-15)	7	4	1	1	1	-012	
	13:25		SBFT-5(15-20)	7	4	1	1	1	-013	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	11/17/14	16:10		11/17	16:10
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	11/17	17:30		11-17-14	1730
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ✓ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF008 S21

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

GNF008

Sample Receipt Checklist

Client Name **GNF**

Date and Time Received: **11/17/2014 5:30:00 PM**

Work Order Number: **1411B85** RcptNo: **1**

Received by: **MelissaWatson**

Completed by: M. Watson

Reviewed by: Jennifer Ar

Completed Date: 11/24/2014 12:52:21 PM

Reviewed Date: 11/24/2014 8:13:22 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	3.2 °
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF008 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

GNF008 S22

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-10D TURN AROUND TIME: 21 DAYS

SDG: GNF008 CASE#: MATRIX: Soil pH CHECK Y or N

REMARKS:

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 11-18-14 TIME: 1700

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBFT-6 (0-5)	1411C55 001A	11-18-14	D, AA	3, 1	8260-SSUFF(SC)
2. (5-10)	002				
3. (10-15)	003				
4. SBFT-7 (0-5)	004				
5. (5-10)	005				
6. SBFT-8 (0-5)	006				
7. (5-10)	007				
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MCW 11-21-14

CLIENT: GNF

SDG: GNF008

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
11-18-14	1700	[illegible]	[illegible]	D,AA	ANALYSIS	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNP DELIVERABLES: B05-10 D TURN AROUND TIME: 21 DAYS

SDG: GNF008 CASE#: _____ MATRIX: Soil pH CHECK Y or (N)

REMARKS: _____

RECEIVED BY: MCW SIGNATURE: M. Wall DATE: 11-17-14 TIME: 1730

ACCESSIONED 11-18-14

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBFT-1 (0-5)	1411B85 001B	11-17-14	B	1	8081/8082_S(SEL), BIS-S(SEL), 8270_S-TCL(SEL)
2. 5-10	002				
3. 10-15	003				
4. SBFT-2 (0-5)	004				
5. 5-10	005				
6. 10-15	006				
7. SBFT-3 (0-5)	007				
8. 5-10	008				
9. SBFT-4 (0-5)	009				
10. SBFT-5 (0-5)	010				
11. 5-10	011				
12. 10-15	012				
13. 15-20	013				
14.					
15.					
16.		11-21-14			
17.	MCW				
18.					
19.					
20.					

CLIENT: GNF

SDG: GNF008

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
11-18-14	1700	[illegible]	[illegible]	B	PREP	
11/20/14	1749	[illegible]	Sean Kaufmann	All E 8270_S	Analysis	
11/20/14	2322	[illegible]	[illegible]	E 1-12 8151_S	Analysis	
11/21/14	2134	[illegible]	[illegible]	E 13 8151_S	Analysis	
11/24/14	1427	[illegible]	[illegible]	ALL E 8182_S	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNP DELIVERABLES: B05-10 D TURN AROUND TIME: 21 DAYS

SDG: GNF008 CASE#: _____ MATRIX: Soil pH CHECK Y or (N)

REMARKS: _____

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 11-17-14 TIME: 1730

ACCESSIONED 11-18-14

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBFT-1 (0-5)	1411885 0013	11-17-14	B	1	8081/8082_S(SEL), BIS(-S/SEL), 8270_S-TCL(SEL)
2. 5-10	002				
3. 10-15	003				
4. SBFT-2 (0-5)	004				
5. 5-10	005				
6. 10-15	006				
7. SBFT-3 (0-5)	007				
8. 5-10	008				
9. SBFT-4 (0-5)	009				
10. SBFT-5 (0-5)	010				
11. 5-10	011				
12. 10-15	012				
13. 15-20	013				
14.					
15.					
16.		11-21-14			
17.	MCW				
18.					
19.					
20.					

CLIENT: GNF

SDG: GNF008

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
11-18-14	1700	[illegible]	[illegible]	B	PREP	
11/20/14	1749	[illegible]	[illegible]	All (E) 8270_S	Analysis	
11/20/14	2322	[illegible]	[illegible]	(E) 1-12 8151_S	Analysis	
11/21/14	2134	[illegible]	[illegible]	(E) 13 8151_S	Analysis	
11/24/14	1427	[illegible]	[illegible]	ALL (E) 8182_S	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-10D TURN AROUND TIME: 21 DAYS

SDG: GNF008 CASE#: _____ MATRIX: Soil pH CHECK Y or (N)

REMARKS: _____

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 11-17-14 TIME: 1730

ACCESSIONED 11-18-14

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBFT-1 (0-5)	1411B85 001C	11-17-14	A	1	TCLMPKG-S,PMOIST MS/MSD
2. (5-10)	002				
3. (10-15)	003				
4. SBFT-2 (0-5)	004				
5. (5-10)	005				
6. (10-15)	006				
7. SBFT-3 (0-5)	007				
8. (5-10)	008				
9. SBFT-4 (0-5)	009				
10. SBFT-5 (0-5)	010				
11. (5-10)	011				
12. (10-15)	012				
13. (15-20)	013				
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MCW 11-20-14

CLIENT: GNF

SDG: GNF008

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
11-18-14	1100	[illegible]	[illegible]	A	DIG	
11/25/14	14:00	[illegible]	Hamawathi	DIGS	Analysis	

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04993

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF008/009

PROJECT NAME/NUMBER
Garnes Point Rd/Glen Cove

SAMPLERS: (Signature)/Client
Gannett Fleming
100 Crossways Pk Dr. West
Woodbury, NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES:

Project Contact: Manfred Bohms

Phone Number: (516) 364-4140
mbohm@gfnet.com

PIS/Quote #

Sample Container Description: Terra Cove/VOAs; 4oz Jar; 2oz Jar; 8oz Jar

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	Gross/Peak Turb/Fe Bs	Metals	Radiology	LAB I.D. NO.	REMARKS:
11/18/14	8:45	SL	SBFT-6 (0-5)	7	4	1	1	1	1411C55 -001	GNF008
	8:56		SBFT-6 (5-10)	7	4	1	1	1	-002	
	9:05		SBFT-6 (10-15)	7	4	1	1	1	-003	
	9:23		SBFT-7 (0-5)	7	4	1	1	1	-004	
	9:35		SBFT-7 (5-10)	7	4	1	1	1	-005	
	10:31		SBFT-8 (0-5)	7	4	1	1	1	-006	
	10:40		SBFT-8 (5-10)	7	4	1	1	1	-007	
	11:50		SBFT-9 (0-5)	7	4	1	1	1	1411C56 -001	GNF009
	12:00		SBFT-9 (5-10)	7	4	1	1	1	-002	
	12:14		SBFT-10 (0-5)	7	4	1	1	1	-003	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	11/18/14		[signature]	11/18/14	15:15
[signature]	11/18/14	17:00	[signature]	11-18-14	1700

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ____ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

T = 3.4°C

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF008 S31

GNF 008

Pace Analytical™

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name GNF

Date and Time Received: 11/18/2014 5:00:00 PM

Work Order Number: 1411C55 RcptNo: 1

Received by: MelissaWatson

Completed by: M. Wat

Reviewed by: [signature]

Completed Date: 11/24/2014 12:55:03 PM

Reviewed Date: 11/24/2014 8:22:45 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	3.4 °
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-10D TURN AROUND TIME: 21 DAYS

SDG: GNF008 CASE#: MATRIX: Soil pH CHECK Y or N

REMARKS:

RECEIVED BY: MCW SIGNATURE: DATE: 11-17-14 TIME: 1730

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBFT-1 (0-5)	1411B85 001A	11-17-14	D, AA	3, 1	8260_S-SVFE(SEL)
2. 5-10	002				
3. 10-15	003				
4. SBFT-2 (0-5)	004				
5. 5-10	005				
6. 10-15	006				
7. SBFT-3 (0-5)	007				
8. 5-10	008				
9. SBFT-4 (0-5)	009				
10. SBFT 5 0-5	010				
11. 5-10	011				
12. 10-15	012				
13. 15-20	013				
14.					
15.			11-21-14		
16.		MCW			
17.					
18.					
19.					
20.					

CLIENT: GNF

SDG: GNF008

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
11-18-14	1700	[illegible]	[illegible]	D,AA	ANALYSIS	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNP DELIVERABLES: B05-10 D TURN AROUND TIME: 21 DAYS

SDG: GNF008 CASE#: MATRIX: Soil pH CHECK Y or (N)

REMARKS:

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 11-17-14 TIME: 1730

ACCESSIONED 11-18-14

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBFT-1 (0-5)	1411B85 001B	11-17-14	B	1	8081/8082_S(SEL), BTS-S(SEL), 8270_S-TCL(SEL)
2. 5-10	002				
3. 10-15	003				
4. SBFT-2 (0-5)	004				
5. 5-10	005				
6. 10-15	006				
7. SBFT-3 (0-5)	007				
8. 5-10	008				
9. SBFT-4 (0-5)	009				
10. SBFT-5 (0-5)	010				
11. 5-10	011				
12. 10-15	012				
13. 15-20	013				
14.					
15.					
16.		11-21-14			
17.	MCW				
18.					
19.					
20.					

CLIENT: GNF

SDG: GNF008

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
11-18-14	1700	[illegible]	[illegible]	B	PREP	
11/20/14	1749	[illegible]	[illegible]	All E 8270_S	Analysis	
11/20/14	2322	[illegible]	[illegible]	E 1-12 8151_S	Analysis	
11/21/14	2134	[illegible]	[illegible]	E 13 8151_S	Analysis	
11/24/14	1427	[illegible]	[illegible]	ALL E 8182_S	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-10D TURN AROUND TIME: 21 DAYS

SDG: GNF008 CASE#: _____ MATRIX: Soil pH CHECK Y or (N)

REMARKS: _____

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 11-18-14 TIME: 1700

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBFT-6 (0-5)	1411255 001B	11-18-14	B	1	8081/8082_S(SEL), 8151_S(SEL), 8270_S-TCL(SEL)
2. ↓ (5-10)	002				
3. ↓ (10-15)	003				
4. SBFT-7 (0-5)	004				
5. ↓ (5-10)	005				
6. SBFT-8 (0-5)	006				
7. ↓ (5-10)	007				
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MCW 11-21-14

CLIENT: GNF

SDG: GNF008

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
11-18-14	1700	[illegible]	[illegible]	B	PREP	
11/20/14	1749	[illegible]	[illegible]	All 8270-S	Analysis	
11/21/14	2134	[illegible]	[illegible]	All 8151-S	Analysis	
11/24/14	1427	[illegible]	[illegible]	All 8182-S	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-10D TURN AROUND TIME: 21 DAYS

SDG: GNF008 CASE#: _____ MATRIX: Soil pH CHECK Y or (N)

REMARKS: _____

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 11-18-14 TIME: 1700

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBFT-6 (0-5)	1411855 001B	11-10-14	B	1	8081/8082_S(SEL), 8151_S(SEL), 8270_S_TCL(SEL)
2. ↓ (5-10)	002				
3. ↓ (10-15)	003				
4. SBFT-7 (0-5)	004				
5. ↓ (5-10)	005				
6. SBFT-8 (0-5)	006				
7. ↓ (5-10)	007				
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MCW 11-21-14

CLIENT: GNF

SDG: GNF008

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
11-18-14	1700	[illegible]	[illegible]	B	PREP	
11/20/14	1749	[illegible]	Sean Haughney	All (C) 8270-S	Analysis	
11/21/14	2134	[illegible]	[illegible]	All (C) 8151-S	Analysis	
11/22/14	1427	[illegible]	[illegible]	All (C) 8182-S	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: B 0 5-10 D TURN AROUND TIME: 21 DAYS

SDG: GNF008 CASE#: _____ MATRIX: Soil pH CHECK Y or (N)

REMARKS: _____

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 11-18-14 TIME: 1700

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBFT-6 (0-5)	1411C55 001C	11-18-14	A	1	TCLMPKG-S, PMOIST
2. (5-10)	002				
3. (10-15)	003				
4. SBFT-7 (0-5)	004				
5. (5-10)	005				
6. SBFT-8 (0-5)	006				
7. (5-10)	007				
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MCW 11-20-14

CLIENT: GNF

SDG: GNF008

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
11-8-14	1700	[illegible]	[illegible]	A	DIG	
11/5/14	14:00	[illegible]	[illegible]	DIGS	Analysis	

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

IV. ANALYTICAL FORM I'S:

A. VOLATILES
B. SEMIVOLATILES
C. PESTICIDES/PCBs
D. HERBICIDES
E. METALS

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A. VOLATILES

Pace Long Island

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QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(300\ U)}{D} \text{ x df where } D = \frac{100\% moisture}{100}$$

and df - dilution factor

$$\text{For example, at 24\% moisture, } D = \frac{100-24}{100} = 0.76$$

$$\frac{(300\ U)}{.76} \text{ x 10 - 4300 U rounded to the appropriate number of significant figures}$$

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 µg/L and a concentration of 3 µg/L is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported of Form I with a "P".

C - This flag applies to pesticide results when the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory defined flag, discussed below.

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B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identified compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration ranges in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g. a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceed 200 µg/L or the peak representing the two coeluting isomers on that GC column exceed 400 µg/L. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceed 400 µg/L.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - Other specific flags may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, used the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The laboratory defined flags limited to the letters "X", "Y" and "Z".

The combination of flags "BU' or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

Y Suspected secondary contamination.

X Analyte is suspected column bleed

Z Analyte had a %D greater then 20% in the daily CCV

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CODES FOR MANUAL CORRECTIONS

T: Transcription error

CE: Calculation error

CC: Changed per client request

SC: Sample cancelled

LB: Wrong spot in logbook

MP: Missed peak

MIP: Misintegrated peak

WI: Wrong isomer

TI: Total of isomers

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-001A

Sample wt/vol: 5.66 (g/mL) g Lab File ID: F68540.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 9 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	71	BZ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-002A

Sample wt/vol: 7.99 (g/mL) g Lab File ID: F68528.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 4.3 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	99	U
75-01-4	Vinyl chloride	7	U
75-35-4	1,1-Dichloroethene	7	U
67-64-1	Acetone	12	BZ
75-09-2	Methylene chloride	0.9	BJ
156-60-5	trans-1,2-Dichloroethene	7	U
1634-04-4	Methyl tert-butyl ether	7	U
75-34-3	1,1-Dichloroethane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
78-93-3	2-Butanone	3	J
67-66-3	Chloroform	0.7	BJ
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon tetrachloride	7	U
71-43-2	Benzene	7	U
107-06-2	1,2-Dichloroethane	7	U
79-01-6	Trichloroethene	7	U
108-88-3	Toluene	7	U
127-18-4	Tetrachloroethene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
1330-20-7	Xylene (total)	7	U
98-82-8	Isopropylbenzene	7	U
103-65-1	n-Propylbenzene	7	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	7	U
98-06-6	tert-Butylbenzene	7	U
95-63-6	1,2,4-Trimethylbenzene	7	U
135-98-8	sec-Butylbenzene	7	U
99-87-6	4-Isopropyltoluene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
104-51-8	n-Butylbenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1 (5-10)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-002ARE

Sample wt/vol: 5.52 (g/mL) g Lab File ID: F68541.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 4.3 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	15	BZ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-003A

Sample wt/vol: 6.20 (g/mL) g Lab File ID: F68529.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 45 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	220	U
75-01-4	Vinyl chloride	15	U
75-35-4	1,1-Dichloroethene	15	U
67-64-1	Acetone	4	BJZ
75-09-2	Methylene chloride	2	BJ
156-60-5	trans-1,2-Dichloroethene	15	U
1634-04-4	Methyl tert-butyl ether	15	U
75-34-3	1,1-Dichloroethane	15	U
156-59-2	cis-1,2-Dichloroethene	15	U
78-93-3	2-Butanone	15	U
67-66-3	Chloroform	2	BJ
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon tetrachloride	15	U
71-43-2	Benzene	15	U
107-06-2	1,2-Dichloroethane	15	U
79-01-6	Trichloroethene	15	U
108-88-3	Toluene	15	U
127-18-4	Tetrachloroethene	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
1330-20-7	Xylene (total)	15	U
98-82-8	Isopropylbenzene	15	U
103-65-1	n-Propylbenzene	15	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	15	U
98-06-6	tert-Butylbenzene	15	U
95-63-6	1,2,4-Trimethylbenzene	15	U
135-98-8	sec-Butylbenzene	15	U
99-87-6	4-Isopropyltoluene	15	U
541-73-1	1,3-Dichlorobenzene	15	U
106-46-7	1,4-Dichlorobenzene	15	U
104-51-8	n-Butylbenzene	15	U
95-50-1	1,2-Dichlorobenzene	15	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-004A

Sample wt/vol: 5.97 (g/mL) g Lab File ID: F68530.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 10 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	9	U
75-09-2	Methylene chloride	2	BJ
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-005A

Sample wt/vol: 7.42 (g/mL) g Lab File ID: F68531.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 12 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	110	U
75-01-4	Vinyl chloride	8	U
75-35-4	1,1-Dichloroethene	8	U
67-64-1	Acetone	45	BZ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	8	U
1634-04-4	Methyl tert-butyl ether	8	U
75-34-3	1,1-Dichloroethane	8	U
156-59-2	cis-1,2-Dichloroethene	8	U
78-93-3	2-Butanone	10	
67-66-3	Chloroform	0.9	BJ
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon tetrachloride	8	U
71-43-2	Benzene	8	U
107-06-2	1,2-Dichloroethane	8	U
79-01-6	Trichloroethene	8	U
108-88-3	Toluene	8	U
127-18-4	Tetrachloroethene	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
1330-20-7	Xylene (total)	8	U
98-82-8	Isopropylbenzene	8	U
103-65-1	n-Propylbenzene	8	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	8	U
98-06-6	tert-Butylbenzene	8	U
95-63-6	1,2,4-Trimethylbenzene	8	U
135-98-8	sec-Butylbenzene	8	U
99-87-6	4-Isopropyltoluene	8	U
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
104-51-8	n-Butylbenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-006A

Sample wt/vol: 3.97 (g/mL) g Lab File ID: F68532.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 19 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	230	U
75-01-4	Vinyl chloride	16	U
75-35-4	1,1-Dichloroethene	16	U
67-64-1	Acetone	85	BZ
75-09-2	Methylene chloride	2	BJ
156-60-5	trans-1,2-Dichloroethene	16	U
1634-04-4	Methyl tert-butyl ether	5	J
75-34-3	1,1-Dichloroethane	16	U
156-59-2	cis-1,2-Dichloroethene	16	U
78-93-3	2-Butanone	15	J
67-66-3	Chloroform	2	BJ
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon tetrachloride	16	U
71-43-2	Benzene	16	U
107-06-2	1,2-Dichloroethane	16	U
79-01-6	Trichloroethene	16	U
108-88-3	Toluene	16	U
127-18-4	Tetrachloroethene	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
1330-20-7	Xylene (total)	16	U
98-82-8	Isopropylbenzene	16	U
103-65-1	n-Propylbenzene	16	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	16	U
98-06-6	tert-Butylbenzene	16	U
95-63-6	1,2,4-Trimethylbenzene	16	U
135-98-8	sec-Butylbenzene	16	U
99-87-6	4-Isopropyltoluene	16	U
541-73-1	1,3-Dichlorobenzene	16	U
106-46-7	1,4-Dichlorobenzene	16	U
104-51-8	n-Butylbenzene	16	U
95-50-1	1,2-Dichlorobenzene	16	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-3 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-007A

Sample wt/vol: 5.22 (g/mL) g Lab File ID: F68533.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 8.8 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	11	U
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-3 (0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-007ARE

Sample wt/vol: 5.91 (g/mL) g Lab File ID: F68579.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 8.8 Date Analyzed: 11/21/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	9	U
75-09-2	Methylene chloride	1	J
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-3 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-008A

Sample wt/vol: 4.91 (g/mL) g Lab File ID: F68534.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 14 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	180	U
75-01-4	Vinyl chloride	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	18	BZ
75-09-2	Methylene chloride	2	BJ
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-butyl ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	2	BJ
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
108-88-3	Toluene	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
98-82-8	Isopropylbenzene	12	U
103-65-1	n-Propylbenzene	12	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	12	U
98-06-6	tert-Butylbenzene	12	U
95-63-6	1,2,4-Trimethylbenzene	12	U
135-98-8	sec-Butylbenzene	12	U
99-87-6	4-Isopropyltoluene	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
104-51-8	n-Butylbenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-4 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-009A

Sample wt/vol: 5.69 (g/mL) g Lab File ID: F68535.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 3.9 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg

CAS NO.	COMPOUND		Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	9	U
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-4 (0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-009ARE

Sample wt/vol: 5.04 (g/mL) g Lab File ID: F68580.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 3.9 Date Analyzed: 11/21/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	10	U
75-09-2	Methylene chloride	1	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-010A

Sample wt/vol: 5.80 (g/mL) g Lab File ID: F68536.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 14 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	300	EBZ
75-09-2	Methylene chloride	2	BJ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	62	
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (0-5)DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-010ADL

Sample wt/vol: 2.50 (g/mL) g Lab File ID: F68583.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 14 Date Analyzed: 11/21/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.50

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	440	U
75-01-4	Vinyl chloride	29	U
75-35-4	1,1-Dichloroethene	29	U
67-64-1	Acetone	30	D
75-09-2	Methylene chloride	6	DJ
156-60-5	trans-1,2-Dichloroethene	29	U
1634-04-4	Methyl tert-butyl ether	29	U
75-34-3	1,1-Dichloroethane	29	U
156-59-2	cis-1,2-Dichloroethene	29	U
78-93-3	2-Butanone	29	U
67-66-3	Chloroform	4	DBJ
71-55-6	1,1,1-Trichloroethane	29	U
56-23-5	Carbon tetrachloride	29	U
71-43-2	Benzene	29	U
107-06-2	1,2-Dichloroethane	29	U
79-01-6	Trichloroethene	29	U
108-88-3	Toluene	29	U
127-18-4	Tetrachloroethene	29	U
108-90-7	Chlorobenzene	29	U
100-41-4	Ethylbenzene	29	U
1330-20-7	Xylene (total)	29	U
98-82-8	Isopropylbenzene	29	U
103-65-1	n-Propylbenzene	29	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	29	U
98-06-6	tert-Butylbenzene	29	U
95-63-6	1,2,4-Trimethylbenzene	29	U
135-98-8	sec-Butylbenzene	29	U
99-87-6	4-Isopropyltoluene	29	U
541-73-1	1,3-Dichlorobenzene	29	U
106-46-7	1,4-Dichlorobenzene	29	U
104-51-8	n-Butylbenzene	29	U
95-50-1	1,2-Dichlorobenzene	29	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-011A

Sample wt/vol: 8.86 (g/mL) g Lab File ID: F68537.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 23 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	110	U
75-01-4	Vinyl chloride	7	U
75-35-4	1,1-Dichloroethene	7	U
67-64-1	Acetone	26	BZ
75-09-2	Methylene chloride	7	U
156-60-5	trans-1,2-Dichloroethene	7	U
1634-04-4	Methyl tert-butyl ether	7	U
75-34-3	1,1-Dichloroethane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
78-93-3	2-Butanone	5	J
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon tetrachloride	7	U
71-43-2	Benzene	7	U
107-06-2	1,2-Dichloroethane	7	U
79-01-6	Trichloroethene	7	U
108-88-3	Toluene	7	U
127-18-4	Tetrachloroethene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
1330-20-7	Xylene (total)	7	U
98-82-8	Isopropylbenzene	7	U
103-65-1	n-Propylbenzene	7	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	7	U
98-06-6	tert-Butylbenzene	7	U
95-63-6	1,2,4-Trimethylbenzene	7	U
135-98-8	sec-Butylbenzene	7	U
99-87-6	4-Isopropyltoluene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
104-51-8	n-Butylbenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-012A

Sample wt/vol: 6.23 (g/mL) g Lab File ID: F68538.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 24 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	83	BZ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	21	
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (10-15)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-012ARE

Sample wt/vol: 6.49 (g/mL) g Lab File ID: F68581.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 24 Date Analyzed: 11/21/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	49	
75-09-2	Methylene chloride	1	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	6	JZ
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-013A

Sample wt/vol: 5.64 (g/mL) g Lab File ID: F68539.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 25 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	180	U
75-01-4	Vinyl chloride	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	24	B
75-09-2	Methylene chloride	2	BJ
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-butyl ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
108-88-3	Toluene	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
98-82-8	Isopropylbenzene	12	U
103-65-1	n-Propylbenzene	12	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	12	U
98-06-6	tert-Butylbenzene	12	U
95-63-6	1,2,4-Trimethylbenzene	12	U
135-98-8	sec-Butylbenzene	12	U
99-87-6	4-Isopropyltoluene	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
104-51-8	n-Butylbenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (15-20)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-013ARE

Sample wt/vol: 6.49 (g/mL) g Lab File ID: F68582.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: not dec. 25 Date Analyzed: 11/21/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	14	
75-09-2	Methylene chloride	1	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-001A

Sample wt/vol: 7.73 (g/mL) g Lab File ID: F68542.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 5.4 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	100	U
75-01-4	Vinyl chloride	7	U
75-35-4	1,1-Dichloroethene	7	U
67-64-1	Acetone	5	BJ
75-09-2	Methylene chloride	0.9	BJ
156-60-5	trans-1,2-Dichloroethene	7	U
1634-04-4	Methyl tert-butyl ether	7	U
75-34-3	1,1-Dichloroethane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
78-93-3	2-Butanone	7	U
67-66-3	Chloroform	0.8	BJ
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon tetrachloride	7	U
71-43-2	Benzene	7	U
107-06-2	1,2-Dichloroethane	7	U
79-01-6	Trichloroethene	7	U
108-88-3	Toluene	7	U
127-18-4	Tetrachloroethene	2	J
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
1330-20-7	Xylene (total)	7	U
98-82-8	Isopropylbenzene	7	U
103-65-1	n-Propylbenzene	7	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	7	U
98-06-6	tert-Butylbenzene	7	U
95-63-6	1,2,4-Trimethylbenzene	7	U
135-98-8	sec-Butylbenzene	7	U
99-87-6	4-Isopropyltoluene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
104-51-8	n-Butylbenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-002A

Sample wt/vol: 6.10 (g/mL) g Lab File ID: F68543.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 13 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	7	BJ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-003A

Sample wt/vol: 6.74 (g/mL) g Lab File ID: F68544.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 15 Date Analyzed: 11/19/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	5	BJZ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-7 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-004A

Sample wt/vol: 4.33 (g/mL) g Lab File ID: F68619.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 6.8 Date Analyzed: 11/25/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	190	U
75-01-4	Vinyl chloride	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	3	J
75-09-2	Methylene chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-butyl ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
108-88-3	Toluene	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
98-82-8	Isopropylbenzene	12	U
103-65-1	n-Propylbenzene	12	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	12	U
98-06-6	tert-Butylbenzene	12	U
95-63-6	1,2,4-Trimethylbenzene	4	J
135-98-8	sec-Butylbenzene	12	U
99-87-6	4-Isopropyltoluene	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
104-51-8	n-Butylbenzene	1	J
95-50-1	1,2-Dichlorobenzene	12	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-7 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-005A

Sample wt/vol: 6.35 (g/mL) g Lab File ID: F68620.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 12 Date Analyzed: 11/25/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	2	J
75-09-2	Methylene chloride	9	U
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-8 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-006A

Sample wt/vol: 6.89 (g/mL) g Lab File ID: F68621.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 15 Date Analyzed: 11/25/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	9	U
75-09-2	Methylene chloride	9	U
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-8 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-007A

Sample wt/vol: 6.59 (g/mL) g Lab File ID: F68622.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 13 Date Analyzed: 11/25/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	2	J
75-09-2	Methylene chloride	9	U
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

Pace Long Island

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fax. 631.420.8436

B. SEMIVOLATILES

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-001B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R25719.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 9 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	230	J
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	390	
129-00-0	Pyrene	410	
56-55-3	Benzo(a)anthracene	210	J
218-01-9	Chrysene	230	J
205-99-2	Benzo(b)fluoranthene	250	J
207-08-9	Benzo(k)fluoranthene	120	J
50-32-8	Benzo(a)pyrene	210	J
193-39-5	Indeno(1,2,3-cd)pyrene	85	J
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	99	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-002B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R25720.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 4.3 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	340	U
95-48-7	2-Methylphenol	340	U
106-44-5	4-Methylphenol	340	U
91-20-3	Naphthalene	340	U
208-96-8	Acenaphthylene	340	U
83-32-9	Acenaphthene	340	U
132-64-9	Dibenzofuran	340	U
86-73-7	Fluorene	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	340	U
206-44-0	Fluoranthene	260	J
129-00-0	Pyrene	290	J
56-55-3	Benzo(a)anthracene	160	J
218-01-9	Chrysene	160	J
205-99-2	Benzo(b)fluoranthene	160	J
207-08-9	Benzo(k)fluoranthene	88	J
50-32-8	Benzo(a)pyrene	140	J
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-003B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R25721.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 45 Decanted:(Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	290	J
95-48-7	2-Methylphenol	590	U
106-44-5	4-Methylphenol	740	
91-20-3	Naphthalene	590	U
208-96-8	Acenaphthylene	590	U
83-32-9	Acenaphthene	590	U
132-64-9	Dibenzofuran	590	U
86-73-7	Fluorene	590	U
118-74-1	Hexachlorobenzene	590	U
87-86-5	Pentachlorophenol	1500	U
85-01-8	Phenanthrene	590	U
120-12-7	Anthracene	590	U
206-44-0	Fluoranthene	590	U
129-00-0	Pyrene	590	U
56-55-3	Benzo(a)anthracene	590	U
218-01-9	Chrysene	590	U
205-99-2	Benzo(b)fluoranthene	590	U
207-08-9	Benzo(k)fluoranthene	590	U
50-32-8	Benzo(a)pyrene	590	U
193-39-5	Indeno(1,2,3-cd)pyrene	590	U
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	590	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-004B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R25722.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	86	J
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	130	J
129-00-0	Pyrene	160	J
56-55-3	Benzo(a)anthracene	76	J
218-01-9	Chrysene	85	J
205-99-2	Benzo(b)fluoranthene	100	J
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2(0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-004BRE

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R25747.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/26/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	95	J
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	100	J
129-00-0	Pyrene	240	J
56-55-3	Benzo(a)anthracene	74	J
218-01-9	Chrysene	88	J
205-99-2	Benzo(b)fluoranthene	76	J
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	78	J
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	82	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-005B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: R25723.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	97	J
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	140	J
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	79	J
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2(5-10)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-005BRE

Sample wt/vol: 15.08 (g/mL) g Lab File ID: R25748.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/26/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	85	J
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	94	J
129-00-0	Pyrene	200	J
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-006B

Sample wt/vol: 15.03 (g/mL) g Lab File ID: R25724.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
132-64-9	Dibenzofuran	410	U
86-73-7	Fluorene	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	120	J
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	410	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2(10-15)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-006BRE

Sample wt/vol: 15.03 (g/mL) g Lab File ID: R25749.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/26/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
132-64-9	Dibenzofuran	410	U
86-73-7	Fluorene	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	88	J
129-00-0	Pyrene	170	J
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-3(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-007B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: R25708.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 8.8 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-3(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-008B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R25709.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-4(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-009B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25710.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 3.9 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	340	U
95-48-7	2-Methylphenol	340	U
106-44-5	4-Methylphenol	340	U
91-20-3	Naphthalene	340	U
208-96-8	Acenaphthylene	340	U
83-32-9	Acenaphthene	340	U
132-64-9	Dibenzofuran	340	U
86-73-7	Fluorene	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-010B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R25725.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	93	J
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	130	J
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5(0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-010BRE

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R25750.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/26/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	100	J
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	170	J
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-011B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: R25726.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	430	U
95-48-7	2-Methylphenol	430	U
106-44-5	4-Methylphenol	430	U
91-20-3	Naphthalene	430	U
208-96-8	Acenaphthylene	430	U
83-32-9	Acenaphthene	430	U
132-64-9	Dibenzofuran	430	U
86-73-7	Fluorene	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	98	J
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenzo(a,h)anthracene	310	U
191-24-2	Benzo(g,h,i)perylene	430	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5(5-10)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-011BRE

Sample wt/vol: 15.05 (g/mL) g Lab File ID: R25751.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/26/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	430	U
95-48-7	2-Methylphenol	430	U
106-44-5	4-Methylphenol	430	U
91-20-3	Naphthalene	430	U
208-96-8	Acenaphthylene	430	U
83-32-9	Acenaphthene	430	U
132-64-9	Dibenzofuran	430	U
86-73-7	Fluorene	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	140	J
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	120	J
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	120	J
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-012B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R25711.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 24 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	440	U
95-48-7	2-Methylphenol	440	U
106-44-5	4-Methylphenol	440	U
91-20-3	Naphthalene	440	U
208-96-8	Acenaphthylene	440	U
83-32-9	Acenaphthene	440	U
132-64-9	Dibenzofuran	440	U
86-73-7	Fluorene	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	440	U
120-12-7	Anthracene	440	U
206-44-0	Fluoranthene	440	U
129-00-0	Pyrene	440	U
56-55-3	Benzo(a)anthracene	440	U
218-01-9	Chrysene	440	U
205-99-2	Benzo(b)fluoranthene	440	U
207-08-9	Benzo(k)fluoranthene	440	U
50-32-8	Benzo(a)pyrene	440	U
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenzo(a,h)anthracene	320	U
191-24-2	Benzo(g,h,i)perylene	440	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5(15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-013B

Sample wt/vol: 15.03 (g/mL) g Lab File ID: R25714.D

Level: (low/med) LOW Date Received: 11/17/14

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	440	U
95-48-7	2-Methylphenol	440	U
106-44-5	4-Methylphenol	440	U
91-20-3	Naphthalene	440	U
208-96-8	Acenaphthylene	440	U
83-32-9	Acenaphthene	440	U
132-64-9	Dibenzofuran	440	U
86-73-7	Fluorene	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	440	U
120-12-7	Anthracene	440	U
206-44-0	Fluoranthene	440	U
129-00-0	Pyrene	440	U
56-55-3	Benzo(a)anthracene	440	U
218-01-9	Chrysene	440	U
205-99-2	Benzo(b)fluoranthene	440	U
207-08-9	Benzo(k)fluoranthene	440	U
50-32-8	Benzo(a)pyrene	440	U
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenzo(a,h)anthracene	320	U
191-24-2	Benzo(g,h,i)perylene	440	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-001B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: R25727.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 5.4 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	180	J
129-00-0	Pyrene	200	J
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	81	J
205-99-2	Benzo(b)fluoranthene	81	J
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6(0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-001BRE

Sample wt/vol: 15.05 (g/mL) g Lab File ID: R25752.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 5.4 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/26/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	140	J
129-00-0	Pyrene	240	J
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	96	J
205-99-2	Benzo(b)fluoranthene	81	J
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-002B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: R25715.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-003B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R25716.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-7(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-004B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R25728.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 6.8 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	370	
120-12-7	Anthracene	80	J
206-44-0	Fluoranthene	400	
129-00-0	Pyrene	500	
56-55-3	Benzo(a)anthracene	180	J
218-01-9	Chrysene	240	J
205-99-2	Benzo(b)fluoranthene	210	J
207-08-9	Benzo(k)fluoranthene	110	J
50-32-8	Benzo(a)pyrene	150	J
193-39-5	Indeno(1,2,3-cd)pyrene	75	J
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	88	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-7(0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-004BRE

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R25753.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 6.8 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/26/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	340	J
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	330	J
129-00-0	Pyrene	580	
56-55-3	Benzo(a)anthracene	170	J
218-01-9	Chrysene	240	J
205-99-2	Benzo(b)fluoranthene	190	J
207-08-9	Benzo(k)fluoranthene	120	J
50-32-8	Benzo(a)pyrene	150	J
193-39-5	Indeno(1,2,3-cd)pyrene	95	J
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	100	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-7(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-005B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: R25729.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	250	J
129-00-0	Pyrene	370	J
56-55-3	Benzo(a)anthracene	120	J
218-01-9	Chrysene	160	J
205-99-2	Benzo(b)fluoranthene	170	J
207-08-9	Benzo(k)fluoranthene	110	J
50-32-8	Benzo(a)pyrene	140	J
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-7(5-10)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-005BRE

Sample wt/vol: 15.09 (g/mL) g Lab File ID: R25754.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/26/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	200	J
129-00-0	Pyrene	450	
56-55-3	Benzo(a)anthracene	140	J
218-01-9	Chrysene	180	J
205-99-2	Benzo(b)fluoranthene	170	J
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	160	J
193-39-5	Indeno(1,2,3-cd)pyrene	87	J
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	83	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-8(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-006B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R25717.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-8(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-007B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25718.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-47253

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: MB-47253

Sample wt/vol: 15 (g/mL) g Lab File ID: R25706.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
132-64-9	Dibenzofuran	330	U
86-73-7	Fluorene	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	240	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

PACE ANALYTICAL

Date: 26-Nov-14

Test Code: 8270_S_TCL
Test Number: SW8270
Test Name: SVOCS IN SOIL
Matrix: Soil **Units:** µg/Kg

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	Synonym	MDL	PQL
A	Phenol		18	330
A	Bis(2-chloroethyl)ether		17	330
A	2-Chlorophenol		16	330
A	1,3-Dichlorobenzene		14	330
A	1,4-Dichlorobenzene		17	330
A	1,2-Dichlorobenzene		14	330
A	2-Methylphenol		31	330
A	2,2′-oxybis(1-Chloropropane)		20	330
A	4-Methylphenol		11	330
A	N-Nitroso-di-n-propylamine		22	330
A	Hexachloroethane		17	330
A	Nitrobenzene		20	330
A	Isophorone		22	330
A	2-Nitrophenol		13	330
A	2,4-Dimethylphenol		22	330
A	bis(2-Chloroethoxy)methane		18	330
A	2,4-Dichlorophenol		21	330
A	1,2,4-Trichlorobenzene		15	330
A	Naphthalene		37	330
A	4-Chloroaniline		17	330
A	Hexachlorobutadiene		18	330
A	4-Chloro-3-methylphenol		16	330
A	2-Methylnaphthalene		58	330
A	Hexachlorocyclopentadiene		21	330
A	2,4,6-Trichlorophenol		16	330
A	2,4,5-Trichlorophenol		15	830
A	2-Chloronaphthalene		14	330
A	2-Nitroaniline		20	830
A	Dimethylphthalate		13	330
A	Acenaphthylene		17	330
A	2,6-Dinitrotoluene		17	330
A	3-Nitroaniline		12	830
A	Acenaphthene		11	330
A	2,4-Dinitrophenol		27	830
A	4-Nitrophenol		17	830
A	Dibenzofuran		11	330
A	2,4-Dinitrotoluene		11	330
A	Diethylphthalate		9.4	330
A	4-Chlorophenyl-phenylether		9.2	330
A	Fluorene		14	330
A	4-Nitroaniline		12	830
A	4,6-Dinitro-2-methylphenol		11	830
A	N-Nitrosodiphenylamine		22	330
A	4-Bromophenyl-phenylether		16	330
A	Hexachlorobenzene		14	330
A	Pentachlorophenol		13	830

PACE ANALYTICAL

Date: 26-Nov-14

Test Code: 8270_S_TCL
Test Number: SW8270
Test Name: SVOCS IN SOIL
Matrix: Soil **Units:** µg/Kg

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	Synonym	MDL	PQL
A	Phenanthrene		36	330
A	Anthracene		17	330
A	Carbazole		14	330
A	Di-n-butyl phthalate		55	330
A	Fluoranthene		26	330
A	Pyrene		22	330
A	Butyl benzyl phthalate		7.9	330
A	3,3′-Dichlorobenzidine		27	330
A	Benzo(a)anthracene		15	330
A	Chrysene		17	330
A	bis(2-Ethylhexyl)phthalate		70	330
A	Di-n-octyl phthalate		17	330
A	Benzo(b)fluoranthene		23	330
A	Benzo(k)fluoranthene		36	330
A	Benzo(a)pyrene		19	330
A	Indeno(1,2,3-cd)pyrene		20	330
A	Dibenzo(a,h)anthracene		19	330
A	Benzo(g,h,i)perylene		25	330
I	1,4-Dichlorobenzene-d4		0	0
I	Naphthalene-d8		0	0
I	Acenaphthene-d10		0	0
I	Phenanthrene-d10		0	0
I	Chrysene-d12		0	0
I	Perylene-d12		0	0
S	2-Fluorophenol		0	0
S	Nitrobenzene-d5		0	0
S	Phenol-d5		0	0
S	2,4,6-Tribromophenol		0	0
S	2-Fluorobiphenyl		0	0
S	4-Terphenyl-d14		0	0
S	2-Chlorophenol-d4		0	0
S	1,2-Dichlorobenzene-d4		0	0
X	1,2,3,4-Tetrachlorobenzene		0	0
X	Benzidine		29	330
X	Benzoic acid		7.4	830
X	Aniline		20	330
X	N-Nitrosodimethylamine		11	330
X	Pyridine		28	330
X	Benzyl alcohol		29	330
X	Cresols, Total		0	0
X	1,2,4,5-Tetrachlorobenzene		14	0
X	1,2-Diphenylhydrazine		21	330

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

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C. PESTICIDES/PCBS

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1 (0-5)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-001b

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00580.raw

% Moisture: 9 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	2.5	J
72-55-9	4,4´-DDE	2.5	PJ
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	16	
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	8.2	
5103-71-9	alpha-Chlordane	6.2	

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-001b

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00506.raw

% Moisture: 9 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1 (5-10)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-002b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00581.raw

% Moisture: 4.3 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4´-DDE	1.9	J
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4´-DDD	4.7	P
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4´-DDT	1.8	PJ
5103-71-9	alpha-Chlordane	4.4	P

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-002b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00370.raw

% Moisture: 4.3 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1 (10-15) S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-003b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00657.raw

% Moisture: 45 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.1	U
319-85-7	beta-BHC	3.1	U
319-86-8	delta-BHC	3.1	U
58-89-9	gamma-BHC	3.1	U
76-44-8	Heptachlor	3.1	U
309-00-2	Aldrin	3.1	U
959-98-8	Endosulfan I	3.1	U
60-57-1	Dieldrin	5.9	U
72-55-9	4,4´-DDE	5.9	U
72-20-8	Endrin	5.9	U
33213-65-9	Endosulfan II	5.9	U
72-54-8	4,4´-DDD	5.9	U
1031-07-8	Endosulfan sulfate	5.9	U
50-29-3	4,4´-DDT	5.9	U
5103-71-9	alpha-Chlordane	3.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-003b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00367.raw

% Moisture: 45 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	59	U
11104-28-2	Aroclor 1221	120	U
11141-16-5	Aroclor 1232	59	U
53469-21-9	Aroclor 1242	59	U
12672-29-6	Aroclor 1248	59	U
11097-69-1	Aroclor 1254	59	U
11096-82-5	Aroclor 1260	59	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2 (0-5)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-004b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00658.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	2.1	PJ
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-004b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00532.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	57	
11097-69-1	Aroclor 1254	50	
11096-82-5	Aroclor 1260	23	J

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2 (5-10)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-005b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00578.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.0	PJ
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	2.9	J
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	2.8	PJ
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-005b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00353.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	76	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	74	
11097-69-1	Aroclor 1254	97	
11096-82-5	Aroclor 1260	47	

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2 (10-15) S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-006b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00579.raw

% Moisture: 19 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4´-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4´-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4´-DDT	4.1	U
5103-71-9	alpha-Chlordane	2.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-006b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00354.raw

% Moisture: 19 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-3 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-007b

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00456.raw

% Moisture: 8.8 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-3 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-007b

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00355.raw

% Moisture: 8.8 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-3 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-008b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00457.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-3 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-008b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00356.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-4 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-009b

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00458.raw

% Moisture: 3.9 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4´-DDE	3.4	U
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4´-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4´-DDT	3.4	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-4 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-009b

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00357.raw

% Moisture: 3.9 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (0-5)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-010b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00582.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	1.2	PJ
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	5.7	P
72-55-9	4,4´-DDE	23	P
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	2.7	PJ
72-54-8	4,4´-DDD	65	EP
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.3	PJ
5103-71-9	alpha-Chlordane	14	

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (0-5)SDL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-010b

Sample wt/vol: 15.06 (g/mL) ML Lab File ID: a00660.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 5.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.8	U
319-85-7	beta-BHC	9.8	U
319-86-8	delta-BHC	9.8	U
58-89-9	gamma-BHC	9.8	U
76-44-8	Heptachlor	9.8	U
309-00-2	Aldrin	9.8	U
959-98-8	Endosulfan I	9.8	U
60-57-1	Dieldrin	19	U
72-55-9	4,4´-DDE	15	DPJ
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4,4´-DDD	60	D
1031-07-8	Endosulfan sulfate	19	U
50-29-3	4,4´-DDT	19	U
5103-71-9	alpha-Chlordane	12	DP

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-010b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00358.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	77	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	140	P
11097-69-1	Aroclor 1254	170	
11096-82-5	Aroclor 1260	34	J

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (5-10)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-011b

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00584.raw

% Moisture: 23 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4´-DDE	2.4	PJ
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4´-DDD	22	
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4´-DDT	4.3	U
5103-71-9	alpha-Chlordane	4.0	

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-011b

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00369.raw

% Moisture: 23 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	43	U
11104-28-2	Aroclor 1221	87	U
11141-16-5	Aroclor 1232	43	U
53469-21-9	Aroclor 1242	43	U
12672-29-6	Aroclor 1248	42	PJ
11097-69-1	Aroclor 1254	64	P
11096-82-5	Aroclor 1260	29	J

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-012b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00737.raw

% Moisture: 24 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.4	U
72-55-9	4,4´-DDE	4.4	U
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4´-DDD	4.4	U
1031-07-8	Endosulfan sulfate	4.4	U
50-29-3	4,4´-DDT	4.4	U
5103-71-9	alpha-Chlordane	2.2	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-012b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00359.raw

% Moisture: 24 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	44	U
11104-28-2	Aroclor 1221	88	U
11141-16-5	Aroclor 1232	44	U
53469-21-9	Aroclor 1242	44	U
12672-29-6	Aroclor 1248	44	U
11097-69-1	Aroclor 1254	44	U
11096-82-5	Aroclor 1260	44	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-013b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00462.raw

% Moisture: 25 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.4	U
72-55-9	4,4´-DDE	4.4	U
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4´-DDD	4.4	U
1031-07-8	Endosulfan sulfate	4.4	U
50-29-3	4,4´-DDT	4.4	U
5103-71-9	alpha-Chlordane	2.3	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (15-20)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411b85-013b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00360.raw

% Moisture: 25 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	44	U
11104-28-2	Aroclor 1221	89	U
11141-16-5	Aroclor 1232	44	U
53469-21-9	Aroclor 1242	44	U
12672-29-6	Aroclor 1248	44	U
11097-69-1	Aroclor 1254	44	U
11096-82-5	Aroclor 1260	44	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411c55-001b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00586.raw

% Moisture: 5.4 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4´-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4´-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4´-DDT	3.5	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411c55-001b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00361.raw

% Moisture: 5.4 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	70	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	81	
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	35	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411c55-002b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00463.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411c55-002b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00362.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411c55-003b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00464.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411c55-003b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00363.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-7 (0-5)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411c55-004b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00588.raw

% Moisture: 6.8 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4´-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4´-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4´-DDT	3.5	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-7 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411c55-004b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00373.raw

% Moisture: 6.8 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	72	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	35	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-7 (5-10)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411c55-005b

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00583.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	4.7	P
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	2.2	J
5103-71-9	alpha-Chlordane	5.4	

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-7 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411c55-005b

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00364.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-8 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411c55-006b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00585.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	6.4	
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.3	J
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-8 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411c55-006b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00365.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-8 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411c55-007b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00465.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-8 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411c55-007b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00366.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

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D. HERBICIDES

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-001B

Sample wt/vol: 25.11 (g/mL) g Lab File ID: A00397.raw

% Moisture: 9 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.5	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-002B

Sample wt/vol: 25.06 (g/mL) g Lab File ID: A00398.raw

% Moisture: 4.3 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.2	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-1 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-003B

Sample wt/vol: 25.07 (g/mL) g Lab File ID: A00399.raw

% Moisture: 45 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	9.0	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-004B

Sample wt/vol: 25.1 (g/mL) g Lab File ID: A00400.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-005B

Sample wt/vol: 25.04 (g/mL) g Lab File ID: A00401.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.7	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-2 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-006B

Sample wt/vol: 25.16 (g/mL) g Lab File ID: A00402.raw

% Moisture: 19 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.1	U

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EPA SAMPLE NO.

SBFT-3 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-007B

Sample wt/vol: 25.11 (g/mL) g Lab File ID: A00403.raw

% Moisture: 8.8 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.5	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-3 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-008B

Sample wt/vol: 25.08 (g/mL) g Lab File ID: A00406.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.8	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-4 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-009B

Sample wt/vol: 25.09 (g/mL) g Lab File ID: A00407.raw

% Moisture: 3.9 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.2	U

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EPA SAMPLE NO.

SBFT-5 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-010B

Sample wt/vol: 25.16 (g/mL) g Lab File ID: A00408.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.8	U

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EPA SAMPLE NO.

SBFT-5 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-011B

Sample wt/vol: 25.13 (g/mL) g Lab File ID: A00409.raw

% Moisture: 23 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.5	U

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EPA SAMPLE NO.

SBFT-5 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-012B

Sample wt/vol: 25.02 (g/mL) g Lab File ID: A00410.raw

% Moisture: 24 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/19/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.6	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-5 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411B85-013B

Sample wt/vol: 25.12 (g/mL) g Lab File ID: A00425.raw

% Moisture: 25 Decanted: (Y/N) N Date Received: 11/17/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.7	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-001B

Sample wt/vol: 25.19 (g/mL) g Lab File ID: A00426.raw

% Moisture: 5.4 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.2	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-002B

Sample wt/vol: 25.01 (g/mL) g Lab File ID: A00427.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.8	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-6 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-003B

Sample wt/vol: 25.03 (g/mL) g Lab File ID: A00430.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.9	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-7 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-004B

Sample wt/vol: 25.1 (g/mL) g Lab File ID: A00431.raw

% Moisture: 6.8 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.3	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-7 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-005B

Sample wt/vol: 25.08 (g/mL) g Lab File ID: A00432.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-8 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-006B

Sample wt/vol: 25.14 (g/mL) g Lab File ID: A00433.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.9	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-8 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF008

Matrix: (soil/water) SOIL Lab Sample ID: 1411C55-007B

Sample wt/vol: 25.02 (g/mL) g Lab File ID: A00434.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.8	U

FORM I HERB

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E. METALS

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fax. 631.420.8436

QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

E - Serial dilution is not within acceptance criteria or the reported value is estimated because of the presence of interference. An explanatory note is included in the SDG narrative.

N - Matrix spike sample recovery not within control limits.

* - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).

U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

P - Analyzed by ICP.
MS - Analyzed by ICP-MS
CV - Analyzed by Manual Cold Vapor techniques.
AV - Analyzed by Automated Cold Vapor techniques.
C - Analyzed by Manual Spectrophotometric Method.
CA- Analyzed by Midi-distillation Spectrophotometric Method.
NR - Analyte not Required.

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-1 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411B85-001

Level (low/med): LOW Date Received: 11/17/2014

% Solids: 91.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6760			P
7440-36-0	Antimony	0.66	B		P
7440-38-2	Arsenic	2.5			P
7440-39-3	Barium	74.7			P
7440-41-7	Beryllium	0.18	B		P
7440-43-9	Cadmium	0.24	B		P
7440-70-2	Calcium	6380			P
7440-47-3	Chromium	20.9		E	P
7440-48-4	Cobalt	5.8		E	P
7440-50-8	Copper	28.9			P
7439-89-6	Iron	14100			P
7439-92-1	Lead	86.8			P
7439-95-4	Magnesium	2620			P
7439-96-5	Manganese	253			P
7439-97-6	Mercury	0.12		N	CV
7440-02-0	Nickel	14.3			P
7440-09-7	Potassium	735			P
7782-49-2	Selenium	0.26	U	N	P
7440-22-4	Silver	0.96	B	N	P
7440-23-5	Sodium	187	B		P
7440-28-0	Thallium	3.0		N	P
7440-62-2	Vanadium	21.0			P
7440-66-6	Zinc	87.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/3/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-1 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411B85-002

Level (low/med): LOW Date Received: 11/17/2014

% Solids: 95.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1500			P
7440-36-0	Antimony	1.5	B		P
7440-38-2	Arsenic	7.4			P
7440-39-3	Barium	8.7	B		P
7440-41-7	Beryllium	0.041	B		P
7440-43-9	Cadmium	0.041	B		P
7440-70-2	Calcium	8600			P
7440-47-3	Chromium	7.2		E	P
7440-48-4	Cobalt	1.1	B	E	P
7440-50-8	Copper	6.8			P
7439-89-6	Iron	3830			P
7439-92-1	Lead	4.2			P
7439-95-4	Magnesium	1200			P
7439-96-5	Manganese	98.9			P
7439-97-6	Mercury	0.017	U	N	CV
7440-02-0	Nickel	2.4	B		P
7440-09-7	Potassium	289	B		P
7782-49-2	Selenium	0.28	B	N	P
7440-22-4	Silver	0.45	B	N	P
7440-23-5	Sodium	50.0	B		P
7440-28-0	Thallium	3.9		N	P
7440-62-2	Vanadium	5.1	B		P
7440-66-6	Zinc	12.5			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/3/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-1 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411B85-003

Level (low/med): LOW Date Received: 11/17/2014

% Solids: 55.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15900			P
7440-36-0	Antimony	0.77	B		P
7440-38-2	Arsenic	48.0			P
7440-39-3	Barium	34.7	B		P
7440-41-7	Beryllium	0.57	B		P
7440-43-9	Cadmium	0.18	B		P
7440-70-2	Calcium	1580			P
7440-47-3	Chromium	33.3		E	P
7440-48-4	Cobalt	9.7		E	P
7440-50-8	Copper	15.9			P
7439-89-6	Iron	26900			P
7439-92-1	Lead	11.7			P
7439-95-4	Magnesium	5140			P
7439-96-5	Manganese	276			P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	18.5			P
7440-09-7	Potassium	3390			P
7782-49-2	Selenium	0.42	U	N	P
7440-22-4	Silver	1.4	B	N	P
7440-23-5	Sodium	2720			P
7440-28-0	Thallium	22.1		N	P
7440-62-2	Vanadium	35.7			P
7440-66-6	Zinc	51.4			P

Color Before: BLACK Clarity Before: Texture: CLAY

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 12/3/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-2 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411B85-004

Level (low/med): LOW Date Received: 11/17/2014

% Solids: 89.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8620			P
7440-36-0	Antimony	0.45	B		P
7440-38-2	Arsenic	3.9			P
7440-39-3	Barium	45.6			P
7440-41-7	Beryllium	0.16	B		P
7440-43-9	Cadmium	0.20	B		P
7440-70-2	Calcium	5270			P
7440-47-3	Chromium	19.6		E	P
7440-48-4	Cobalt	7.5		E	P
7440-50-8	Copper	15.1			P
7439-89-6	Iron	14000			P
7439-92-1	Lead	17.9			P
7439-95-4	Magnesium	3400			P
7439-96-5	Manganese	271			P
7439-97-6	Mercury	0.31		N	CV
7440-02-0	Nickel	11.8			P
7440-09-7	Potassium	1120			P
7782-49-2	Selenium	0.27	U	N	P
7440-22-4	Silver	1.4		N	P
7440-23-5	Sodium	82.9	B		P
7440-28-0	Thallium	6.3		N	P
7440-62-2	Vanadium	22.1			P
7440-66-6	Zinc	107			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/3/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-2 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411B85-005

Level (low/med): LOW Date Received: 11/17/2014

% Solids: 87.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7700			P
7440-36-0	Antimony	320			P
7440-38-2	Arsenic	27.9			P
7440-39-3	Barium	99.5			P
7440-41-7	Beryllium	0.20	B		P
7440-43-9	Cadmium	1.3			P
7440-70-2	Calcium	3760			P
7440-47-3	Chromium	26.9		E	P
7440-48-4	Cobalt	15.1		E	P
7440-50-8	Copper	101			P
7439-89-6	Iron	23300			P
7439-92-1	Lead	217			P
7439-95-4	Magnesium	2040			P
7439-96-5	Manganese	447			P
7439-97-6	Mercury	0.33		N	CV
7440-02-0	Nickel	20.2			P
7440-09-7	Potassium	997			P
7782-49-2	Selenium	1.6		N	P
7440-22-4	Silver	4.4		N	P
7440-23-5	Sodium	324	B		P
7440-28-0	Thallium	76.1		N	P
7440-62-2	Vanadium	22.8			P
7440-66-6	Zinc	229			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/3/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-2 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411B85-006

Level (low/med): LOW Date Received: 11/17/2014

% Solids: 81.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3800			P
7440-36-0	Antimony	0.19	U		P
7440-38-2	Arsenic	3.0			P
7440-39-3	Barium	7.4	B		P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	0.024	U		P
7440-70-2	Calcium	410	B		P
7440-47-3	Chromium	13.0		E	P
7440-48-4	Cobalt	2.3	B	E	P
7440-50-8	Copper	5.6			P
7439-89-6	Iron	10800			P
7439-92-1	Lead	3.2			P
7439-95-4	Magnesium	888			P
7439-96-5	Manganese	86.8			P
7439-97-6	Mercury	0.019	U	N	CV
7440-02-0	Nickel	4.4	B		P
7440-09-7	Potassium	561	B		P
7782-49-2	Selenium	0.29	U	N	P
7440-22-4	Silver	0.67	B	N	P
7440-23-5	Sodium	988			P
7440-28-0	Thallium	11.0		N	P
7440-62-2	Vanadium	13.6			P
7440-66-6	Zinc	12.0			P

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/3/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-3 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411B85-007

Level (low/med): LOW Date Received: 11/17/2014

% Solids: 91.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3470			P
7440-36-0	Antimony	0.17	U		P
7440-38-2	Arsenic	0.92	B		P
7440-39-3	Barium	9.0	B		P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium	0.022	U		P
7440-70-2	Calcium	448	B		P
7440-47-3	Chromium	11.4		E	P
7440-48-4	Cobalt	1.6	B	E	P
7440-50-8	Copper	9.0			P
7439-89-6	Iron	7910			P
7439-92-1	Lead	4.2			P
7439-95-4	Magnesium	278	B		P
7439-96-5	Manganese	31.5			P
7439-97-6	Mercury	0.018	U	N	CV
7440-02-0	Nickel	2.9	B		P
7440-09-7	Potassium	409	B		P
7782-49-2	Selenium	0.26	U	N	P
7440-22-4	Silver	0.47	B	N	P
7440-23-5	Sodium	17.0	U		P
7440-28-0	Thallium	2.0		N	P
7440-62-2	Vanadium	15.8			P
7440-66-6	Zinc	9.2			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/3/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-3 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411B85-008

Level (low/med): LOW Date Received: 11/17/2014

% Solids: 85.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4490			P
7440-36-0	Antimony	0.19	U		P
7440-38-2	Arsenic	6.5			P
7440-39-3	Barium	16.7	B		P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	0.035	B		P
7440-70-2	Calcium	510	B		P
7440-47-3	Chromium	34.9		E	P
7440-48-4	Cobalt	2.4	B	E	P
7440-50-8	Copper	61.2			P
7439-89-6	Iron	15600			P
7439-92-1	Lead	16.5			P
7439-95-4	Magnesium	311	B		P
7439-96-5	Manganese	18.2			P
7439-97-6	Mercury	0.020	U	N	CV
7440-02-0	Nickel	3.3	B		P
7440-09-7	Potassium	518	B		P
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.85	B	N	P
7440-23-5	Sodium	28.7	B		P
7440-28-0	Thallium	3.1		N	P
7440-62-2	Vanadium	96.3			P
7440-66-6	Zinc	21.1			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/3/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-4 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411B85-009

Level (low/med): LOW Date Received: 11/17/2014

% Solids: 96.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1200			P
7440-36-0	Antimony	0.16	U		P
7440-38-2	Arsenic	0.80	B		P
7440-39-3	Barium	5.5	B		P
7440-41-7	Beryllium	0.051	B		P
7440-43-9	Cadmium	0.020	U		P
7440-70-2	Calcium	92.1	B		P
7440-47-3	Chromium	3.4		E	P
7440-48-4	Cobalt	0.98	B	E	P
7440-50-8	Copper	5.1			P
7439-89-6	Iron	3310			P
7439-92-1	Lead	6.2			P
7439-95-4	Magnesium	290	B		P
7439-96-5	Manganese	21.9			P
7439-97-6	Mercury	0.017	U	N	CV
7440-02-0	Nickel	2.0	B		P
7440-09-7	Potassium	240	B		P
7782-49-2	Selenium	0.24	U	N	P
7440-22-4	Silver	0.28	B	N	P
7440-23-5	Sodium	16.0	U		P
7440-28-0	Thallium	1.2		N	P
7440-62-2	Vanadium	3.4	B		P
7440-66-6	Zinc	9.7			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/3/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-5 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411B85-010

Level (low/med): LOW Date Received: 11/17/2014

% Solids: 86.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4020			P
7440-36-0	Antimony	0.18	U		P
7440-38-2	Arsenic	2.0			P
7440-39-3	Barium	55.4			P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	0.34	B		P
7440-70-2	Calcium	7420			P
7440-47-3	Chromium	12.4		E	P
7440-48-4	Cobalt	3.6	B	E	P
7440-50-8	Copper	41.3			P
7439-89-6	Iron	8900			P
7439-92-1	Lead	108			P
7439-95-4	Magnesium	3350			P
7439-96-5	Manganese	140			P
7439-97-6	Mercury	0.20		N	CV
7440-02-0	Nickel	8.1			P
7440-09-7	Potassium	544	B		P
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.78	B	N	P
7440-23-5	Sodium	38.2	B		P
7440-28-0	Thallium	3.3		N	P
7440-62-2	Vanadium	14.7			P
7440-66-6	Zinc	85.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/3/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-5 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411B85-011

Level (low/med): LOW Date Received: 11/17/2014

% Solids: 77.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15600			P
7440-36-0	Antimony	0.84	B		P
7440-38-2	Arsenic	2.3			P
7440-39-3	Barium	63.7			P
7440-41-7	Beryllium	0.37	B		P
7440-43-9	Cadmium	0.35	B		P
7440-70-2	Calcium	2250			P
7440-47-3	Chromium	239		E	P
7440-48-4	Cobalt	11.6		E	P
7440-50-8	Copper	38.2			P
7439-89-6	Iron	34200			P
7439-92-1	Lead	86.2			P
7439-95-4	Magnesium	1400			P
7439-96-5	Manganese	463			P
7439-97-6	Mercury	0.062		N	CV
7440-02-0	Nickel	26.0			P
7440-09-7	Potassium	874			P
7782-49-2	Selenium	0.31	U	N	P
7440-22-4	Silver	2.9		N	P
7440-23-5	Sodium	155	B		P
7440-28-0	Thallium	9.2		N	P
7440-62-2	Vanadium	55.2			P
7440-66-6	Zinc	75.5			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 12/3/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-5 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411B85-012

Level (low/med): LOW Date Received: 11/17/2014

% Solids: 75.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5140			P
7440-36-0	Antimony	0.21	U		P
7440-38-2	Arsenic	0.22	U		P
7440-39-3	Barium	63.2			P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	0.026	U		P
7440-70-2	Calcium	400	B		P
7440-47-3	Chromium	31.0		E	P
7440-48-4	Cobalt	4.3	B	E	P
7440-50-8	Copper	36.4			P
7439-89-6	Iron	22900			P
7439-92-1	Lead	13.6			P
7439-95-4	Magnesium	299	B		P
7439-96-5	Manganese	4.0			P
7439-97-6	Mercury	0.022	U	N	CV
7440-02-0	Nickel	3.4	B		P
7440-09-7	Potassium	1010			P
7782-49-2	Selenium	0.31	U	N	P
7440-22-4	Silver	1.3		N	P
7440-23-5	Sodium	1100			P
7440-28-0	Thallium	5.6		N	P
7440-62-2	Vanadium	75.2			P
7440-66-6	Zinc	6.9			P

Color Before: GRAY Clarity Before: Texture: CLAY

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 12/3/14

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-5 (15-20)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411B85-013

Level (low/med): LOW Date Received: 11/17/2014

% Solids: 74.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6950			P
7440-36-0	Antimony	0.59	B		P
7440-38-2	Arsenic	6.6			P
7440-39-3	Barium	30.9			P
7440-41-7	Beryllium	0.70			P
7440-43-9	Cadmium	0.12	B		P
7440-70-2	Calcium	294	B		P
7440-47-3	Chromium	59.2		E	P
7440-48-4	Cobalt	4.5	B	E	P
7440-50-8	Copper	50.3			P
7439-89-6	Iron	51500			P
7439-92-1	Lead	10.9			P
7439-95-4	Magnesium	231	B		P
7439-96-5	Manganese	22.9			P
7439-97-6	Mercury	0.021	U	N	CV
7440-02-0	Nickel	3.5	B		P
7440-09-7	Potassium	1130			P
7782-49-2	Selenium	3.2	U	N	P
7440-22-4	Silver	2.7		N	P
7440-23-5	Sodium	908			P
7440-28-0	Thallium	11.0		N	P
7440-62-2	Vanadium	150			P
7440-66-6	Zinc	25.9			P

Color Before: GRAY Clarity Before: Texture: CLAY

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 12/3/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-6 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411C55-001

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 94.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6670			P
7440-36-0	Antimony	0.17	U		P
7440-38-2	Arsenic	1.6			P
7440-39-3	Barium	32.0			P
7440-41-7	Beryllium	0.24	B		P
7440-43-9	Cadmium	0.21	B		P
7440-70-2	Calcium	2650			P
7440-47-3	Chromium	23.1		E	P
7440-48-4	Cobalt	7.4		E	P
7440-50-8	Copper	17.3			P
7439-89-6	Iron	14300			P
7439-92-1	Lead	29.0			P
7439-95-4	Magnesium	1950			P
7439-96-5	Manganese	148			P
7439-97-6	Mercury	0.018	U	N	CV
7440-02-0	Nickel	7.4			P
7440-09-7	Potassium	570			P
7782-49-2	Selenium	0.25	U	N	P
7440-22-4	Silver	0.96	B	N	P
7440-23-5	Sodium	77.2	B		P
7440-28-0	Thallium	6.8		N	P
7440-62-2	Vanadium	20.6			P
7440-66-6	Zinc	36.9			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/3/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-6 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411C55-002

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 86.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2270			P
7440-36-0	Antimony	0.18	U		P
7440-38-2	Arsenic	0.20	U		P
7440-39-3	Barium	8.6	B		P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	0.12	B		P
7440-70-2	Calcium	295	B		P
7440-47-3	Chromium	11.6		E	P
7440-48-4	Cobalt	25.0		E	P
7440-50-8	Copper	7.8			P
7439-89-6	Iron	7440			P
7439-92-1	Lead	2.4			P
7439-95-4	Magnesium	292	B		P
7439-96-5	Manganese	210			P
7439-97-6	Mercury	0.019	U	N	CV
7440-02-0	Nickel	5.8			P
7440-09-7	Potassium	251	B		P
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.45	B	N	P
7440-23-5	Sodium	18.1	U		P
7440-28-0	Thallium	1.1	U	N	P
7440-62-2	Vanadium	7.5			P
7440-66-6	Zinc	11.0			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/3/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-6 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411C55-003

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 84.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3970			P
7440-36-0	Antimony	0.19	U		P
7440-38-2	Arsenic	0.20	U		P
7440-39-3	Barium	12.7	B		P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	0.023	U		P
7440-70-2	Calcium	151	B		P
7440-47-3	Chromium	10.8		E	P
7440-48-4	Cobalt	3.2	B	E	P
7440-50-8	Copper	9.9			P
7439-89-6	Iron	7640			P
7439-92-1	Lead	2.2			P
7439-95-4	Magnesium	309	B		P
7439-96-5	Manganese	48.3			P
7439-97-6	Mercury	0.019	U	N	CV
7440-02-0	Nickel	7.7			P
7440-09-7	Potassium	454	B		P
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.53	B	N	P
7440-23-5	Sodium	35.8	B		P
7440-28-0	Thallium	1.9		N	P
7440-62-2	Vanadium	9.0			P
7440-66-6	Zinc	10.7			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/3/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-7 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411C55-004

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 93.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4640			P
7440-36-0	Antimony	0.17	U		P
7440-38-2	Arsenic	1.2			P
7440-39-3	Barium	24.6			P
7440-41-7	Beryllium	0.096	B		P
7440-43-9	Cadmium	0.18	B		P
7440-70-2	Calcium	1510			P
7440-47-3	Chromium	16.2		E	P
7440-48-4	Cobalt	3.9	B	E	P
7440-50-8	Copper	11.0			P
7439-89-6	Iron	11900			P
7439-92-1	Lead	21.1			P
7439-95-4	Magnesium	1240			P
7439-96-5	Manganese	156			P
7439-97-6	Mercury	0.039		N	CV
7440-02-0	Nickel	6.5			P
7440-09-7	Potassium	629			P
7782-49-2	Selenium	0.26	U	N	P
7440-22-4	Silver	0.93	B	N	P
7440-23-5	Sodium	71.5	B		P
7440-28-0	Thallium	4.1		N	P
7440-62-2	Vanadium	15.2			P
7440-66-6	Zinc	29.2			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/3/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-7 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411C55-005

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 88.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7910			P
7440-36-0	Antimony	0.18	U		P
7440-38-2	Arsenic	3.8			P
7440-39-3	Barium	56.8			P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	0.37	B		P
7440-70-2	Calcium	5940			P
7440-47-3	Chromium	19.6		E	P
7440-48-4	Cobalt	7.2		E	P
7440-50-8	Copper	21.2			P
7439-89-6	Iron	15000			P
7439-92-1	Lead	61.9			P
7439-95-4	Magnesium	2660			P
7439-96-5	Manganese	250			P
7439-97-6	Mercury	0.15		N	CV
7440-02-0	Nickel	11.0			P
7440-09-7	Potassium	705			P
7782-49-2	Selenium	0.27	U	N	P
7440-22-4	Silver	1.4		N	P
7440-23-5	Sodium	70.8	B		P
7440-28-0	Thallium	9.5		N	P
7440-62-2	Vanadium	23.8			P
7440-66-6	Zinc	73.1			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/3/14

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-8 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411C55-006

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 84.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9110			P
7440-36-0	Antimony	0.19	U		P
7440-38-2	Arsenic	1.6			P
7440-39-3	Barium	43.4			P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	0.070	B		P
7440-70-2	Calcium	1090			P
7440-47-3	Chromium	18.2		E	P
7440-48-4	Cobalt	3.6	B	E	P
7440-50-8	Copper	16.5			P
7439-89-6	Iron	7920			P
7439-92-1	Lead	7.4			P
7439-95-4	Magnesium	1380			P
7439-96-5	Manganese	40.6			P
7439-97-6	Mercury	0.019	U	N	CV
7440-02-0	Nickel	5.3			P
7440-09-7	Potassium	1160			P
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.44	B	N	P
7440-23-5	Sodium	108	B		P
7440-28-0	Thallium	2.0		N	P
7440-62-2	Vanadium	23.8			P
7440-66-6	Zinc	17.9			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 12/3/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-8 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF008

Matrix (soil/water): SOIL Lab Sample ID: 1411C55-007

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 86.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4480			P
7440-36-0	Antimony	0.18	U		P
7440-38-2	Arsenic	0.53	B		P
7440-39-3	Barium	17.1	B		P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium	0.046	B		P
7440-70-2	Calcium	398	B		P
7440-47-3	Chromium	9.1		E	P
7440-48-4	Cobalt	2.9	B	E	P
7440-50-8	Copper	9.9			P
7439-89-6	Iron	5520			P
7439-92-1	Lead	2.8			P
7439-95-4	Magnesium	1000			P
7439-96-5	Manganese	43.6			P
7439-97-6	Mercury	0.019	U	N	CV
7440-02-0	Nickel	4.8			P
7440-09-7	Potassium	446	B		P
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.34	B	N	P
7440-23-5	Sodium	27.3	B		P
7440-28-0	Thallium	1.1	U	N	P
7440-62-2	Vanadium	11.7			P
7440-66-6	Zinc	15.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 12/3/14

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ANALYTICAL DATA PACKAGE
ASP A PACKAGE

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GANNETT & FLEMING
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- **C. PESTICIDES/PCBs**
- **D. HERBICIDES**
- **E. METALS**

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I. SDG NARRATIVE

Pace Long Island

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fax 631.420.8436

SDG NARRATIVE FOR VOLATILES ANALYSIS
SAMPLE(S) RECEIVED: 11/19/14
SDG#: GNF010

For Sample(s):

SBFT-14 (0-5)	SBFT-15 (10-15)	SBFT-18 (0-5)
SBFT-14 (5-10)	SBFT-16 (0-5)	SBFT-19 (0-5)
SBFT-14 (10-15)	SBFT-16 (5-10)	SBFT-19 (5-10)
SBFT-15 (0-5)	SBFT-16 (10-15)	SBOF-2 (0-5)
SBFT-15 (5-10)	SBFT-17 (0-5)	

The above soil samples were collected and processed headspace free according to EPA method 5035A. They were analyzed for a select list of volatile organic analytes by EPA method 8260C and reported in accordance with the NYS ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/matrix spike duplicate analysis. Lab fortified blanks were analyzed, and all percent recoveries were within Q. C. limits.

In the initial calibration, average response factors were employed for most analytes, and regression function(s) was/were used for the compound(s) with an RSD above 20%. In the continuing calibration verification(s) (CCV), the variability (%D) for some compounds was above 20%. Results for these analytes are flagged with a "Z" qualifier if found in the samples analyzed on that day, indicating that they are regarded estimated.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: December 9, 2014

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Ursula Middel
Quality Analyst

Pace Long Island

575 Broad Hollow Road tel 631.694.3040
Melville, NY 11747 fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ANALYSES
SAMPLE(S) RECEIVED: 11/19/14
SDG #: GNF010

For Sample(s):

SBFT-14 (0-5)	SBFT-15 (5-10)	SBFT-16 (10-15)	SBFT-19 (5-10)
SBFT-14 (5-10)	SBFT-15 (10-15)	SBFT-17 (0-5)	SBOF-2 (0-5)
SBFT-14 (10-15)	SBFT-16 (0-5)	SBFT-18 (0-5)	
SBFT-15 (0-5)	SBFT-16 (5-10)	SBFT-19 (0-5)	

The above sample(s) was/were analyzed for a select list of base/neutral extractables by EPA method 8270D.in accordance with the NYSDEC ASP, Rev. 7/2005, Category A.

All Q.C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

Sample SBFT-14 (10-15) was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPD's were met.

In the initial calibrations, average response factors were employed for the compounds with RSDs up to 20%. The variability %D for pentachlorophenol in the CCVs also exceeded 20%. These samples are flagged with a "Z" qualifier indicating that is regarded estimated.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: December 17, 2014

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Joann M. Slavin
General Manager

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

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SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLE(S) RECEIVED: 11/19/14
SDG#: GNF010

For Sample(s):

SBFT-14 (0-5)	SBFT-16 (5-10)
SBFT-14 (5-10)	SBFT-16 (10-15)
SBFT-14 (10-15)	SBFT-17 (0-5)
SBFT-15 (0-5)	SBFT-18 (0-5)
SBFT-15 (5-10)	SBFT-19 (0-5)
SBFT-15 (10-15)	SBFT-19 (5-10)
SBFT-16 (0-5)	SBOF-2 (0-5)

The above soil sample(s) was/were analyzed for a select list of chlorinated pesticides and aroclors by methods 8081B and 8082A and reported in accordance with the NYSDEC ASP, Rev. 7/2005, Category A.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. The following should be noted:

The concentrated extracts were split and analyzed separately for pesticides and PCBs. The aliquots for aroclors analysis were cleaned up with sulfuric acid and TBA for sulfur removal. These aliquots for aroclors analysis are reported with an "A" suffix. A number of pesticides aliquots also had to be subjected to sulfur cleanup. These samples are identified with the suffix "S".

No sample was submitted for matrix spike/ matrix spike duplicate (MS/MSD) analysis. Lab fortified blanks were analyzed with and without sulfur cleanup, and recoveries indicate good method efficiency for all targeted analytes.

Positives are reported to the practical detection limits of ½ of the reporting limits.

Samples in SBFT-19 (0-5) and SBFT-19 (5-10) were reanalyzed at a dilution due to concentration levels of targeted above the calibration range. Both sets of data are submitted.

PEM04 had a high DDT breakdown. Samples SBFT-18 (0-5), SBFT-19 (0-5), SBFT-19 (5-10), and SBOF-2 (0-5) were effected. As a result, the closing CCV had a high %D for 4,4'-DDD and a low CCV for 4,4'DDT and methoxych.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

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SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLE(S) RECEIVED: 11/19/14
SDG#: GNF010

Date Reported: December 17, 2014

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* *
****
Joann M. Slavin
General Manager

Pace Long Island

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SDG NARRATIVE FOR HERBICIDES ANALYSIS
SAMPLE(S) RECEIVED: 11/19/14
SDG#: GNF010

For Sample(s):

SBFT-14 (0-5)	SBFT-15 (5-10)	SBFT-16 (10-15)	SBFT-19 (5-10)
SBFT-14 (5-10)	SBFT-15 (10-15)	SBFT-17 (0-5)	SBOF-2 (0-5)
SBFT-14 (10-15)	SBFT-16 (0-5)	SBFT-18 (0-5)	
SBFT-15 (0-5)	SBFT-16 (5-10)	SBFT-19 (0-5)	

The above soil sample(s) was/were analyzed for 2,4,5-TP by method 8151A and reported according to the requirements of the NYS DEC ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

Batch QC was analyzed.

In the continuing calibration verifications (CCV), the variability was above 20% on one column (responses high), whereas the other column was compliant. LFB results from the compliant column were used. No sample data are affected.

Positives are reported to the practical detection limit (PDL) of half of the reporting limit (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: December 17, 2014

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****
Joann M. Slavin
General Manager

Pace Long Island

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 11/19/14
SDG#: GNF010

For Sample(s):

SBFT-14 (0-5)	SBFT-15 (10-15)	SBFT-18 (0-5)
SBFT-14 (5-10)	SBFT-16 (0-5)	SBFT-19 (0-5)
SBFT-14 (10-15)	SBFT-16 (5-10)	SBFT-19 (5-10)
SBFT-15 (0-5)	SBFT-16 (10-15)	SBOF-2 (0-5)
SBFT-15 (5-10)	SBFT-17 (0-5)	

The above soil sample(s) was/were received by Pace Analytical Services Inc. for analysis of TAL metals. Data are reported with the requested deliverables.

The samples were prepared and analyzed by EPA method 6010C with a TS ICAP 6000 instrument and EPA method 7470A with a Leeman HYDRA mercury analyzer.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SBFT-14 (0-5) was submitted for batch Q. C. analysis and reporting.

Spike analysis results did not meet acceptance criteria of 75-125% for lead and silver. The sample was post spiked, reanalyzed and recoveries were 187.5% for lead and 102.7% for silver. Lead and silver data were flagged with the qualifier "N" on forms 1 and 5A.

The spike recovery was also not within 75-125% for iron. However, since the sample concentration was greater than four times the spike concentrations, Q. C. limits do not apply, and post spikes and data qualifiers were not required.

Duplicate analysis did not meet acceptance criteria for manganese. Manganese data were reported with the qualifier "*" on forms 1 and 6.

The ICP serial dilution analysis did not meet control limits for aluminum, barium, chromium, magnesium, and vanadium. Data for these metals were reported flagged "E" on forms 1 and 9.

Pace Long Island

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 11/19/14
SDG#: GNF010

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: December 8, 2014

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* *
* *
****
Ursula Middel
Quality Analyst

Pace Long Island

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fax. 631.420.8436

II. NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: GNF010

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		GCSEMI	ME	MSSEMI	MSVOA	SUBPACE
SBFT-14 (0-5)	1411D65-001	X	X	X	X	X
SBFT-14 (5-10)	1411D65-002	X	X	X	X	X
SBFT-14 (10-15)	1411D65-003	X	X	X	X	X
SBFT-15 (0-5)	1411D65-004	X	X	X	X	X
SBFT-15 (5-10)	1411D65-005	X	X	X	X	X
SBFT-15 (10-15)	1411D65-006	X	X	X	X	X
SBFT-16 (0-5)	1411D65-007	X	X	X	X	X
SBFT-16 (5-10)	1411D65-008	X	X	X	X	X
SBFT-16 (10-15)	1411D65-009	X	X	X	X	X
SBFT-17 (0-5)	1411D65-010	X	X	X	X	X
SBFT-18 (0-5)	1411D65-011	X	X	X	X	X
SBFT-19 (0-5)	1411D65-012	X	X	X	X	X
SBFT-19 (5-10)	1411D65-013	X	X	X	X	X
SBOF-2 (0-5)	1411D65-014	X	X	X	X	X

CLP, Non-CLP (Please indicate year of protocol)
TCL/TAL, HSL, Priority Pollutant,

ASP A. 2000

BC 12-17-14

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: GNF010

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1411D65-001A	SBFT-14 (0-5)	Soil	ASPB8260	19-Nov-14	19-Nov-14		26-Nov-14		1	LOW	
1411D65-002A	SBFT-14 (5-10)	Soil	ASPB8260	19-Nov-14	19-Nov-14		26-Nov-14		1	LOW	
1411D65-003A	SBFT-14 (10-15)	Soil	ASPB8260	19-Nov-14	19-Nov-14		26-Nov-14		1	LOW	
1411D65-004A	SBFT-15 (0-5)	Soil	ASPB8260	19-Nov-14	19-Nov-14		26-Nov-14		1	LOW	
1411D65-005A	SBFT-15 (5-10)	Soil	ASPB8260	19-Nov-14	19-Nov-14		26-Nov-14		1	LOW	
1411D65-006A	SBFT-15 (10-15)	Soil	ASPB8260	19-Nov-14	19-Nov-14		26-Nov-14		1	LOW	
1411D65-007A	SBFT-16 (0-5)	Soil	ASPB8260	19-Nov-14	19-Nov-14		26-Nov-14		1	LOW	
1411D65-008A	SBFT-16 (5-10)	Soil	ASPB8260	19-Nov-14	19-Nov-14		26-Nov-14		1	LOW	
1411D65-009A	SBFT-16 (10-15)	Soil	ASPB8260	19-Nov-14	19-Nov-14		26-Nov-14		1	LOW	
1411D65-010A	SBFT-17 (0-5)	Soil	ASPB8260	19-Nov-14	19-Nov-14		29-Nov-14		1	LOW	
1411D65-011A	SBFT-18 (0-5)	Soil	ASPB8260	19-Nov-14	19-Nov-14		29-Nov-14		1	LOW	
1411D65-012A	SBFT-19 (0-5)	Soil	ASPB8260	19-Nov-14	19-Nov-14		29-Nov-14		1	LOW	
1411D65-013A	SBFT-19 (5-10)	Soil	ASPB8260	19-Nov-14	19-Nov-14		03-Dec-14		1	LOW	
1411D65-014A	SBOF-2 (0-5)	Soil	ASPB8260	19-Nov-14	19-Nov-14		29-Nov-14		1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

SDG: GNF010

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1411D65-001B	SBFT-14(0-5)	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	01-Dec-14	PFEX	1	LOW	
1411D65-002B	SBFT-14(5-10)	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	01-Dec-14	PFEX	1	LOW	
1411D65-003B	SBFT-14(10-15)	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	01-Dec-14	PFEX	1	LOW	
1411D65-003BMS	SBFT-14(10-15)MS	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	01-Dec-14	PFEX	1	LOW	
1411D65-003BMSD	SBFT-14(10-15)MSD	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	01-Dec-14	PFEX	1	LOW	
1411D65-004B	SBFT-15(0-5)	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	01-Dec-14	PFEX	1	LOW	
1411D65-005B	SBFT-15(5-10)	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	01-Dec-14	PFEX	1	LOW	
1411D65-006B	SBFT-15(10-15)	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	01-Dec-14	PFEX	1	LOW	
1411D65-007B	SBFT-16(0-5)	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	01-Dec-14	PFEX	1	LOW	
1411D65-008B	SBFT-16(5-10)	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	01-Dec-14	PFEX	1	LOW	
1411D65-009B	SBFT-16(10-15)	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	01-Dec-14	PFEX	1	LOW	
1411D65-010B	SBFT-17(0-5)	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	01-Dec-14	PFEX	1	LOW	
1411D65-011B	SBFT-18(0-5)	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	01-Dec-14	PFEX	1	LOW	
1411D65-012B	SBFT-19(0-5)	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	01-Dec-14	PFEX	1	LOW	
1411D65-013B	SBFT-19(5-10)	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	01-Dec-14	PFEX	1	LOW	
1411D65-014B	SBOF-2(0-5)	Soil	8270	19-Nov-14	19-Nov-14	21-Nov-14	02-Dec-14	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF010

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1411d65-001b	SBFT-14 (0-5)A	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR H2SO4
1411d65-001b	SBFT-14 (0-5)	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	03-Dec-14	PFEX	1	LOW	
1411d65-002b	SBFT-14 (5-10)A	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR H2SO4
1411d65-002b	SBFT-14 (5-10)	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	03-Dec-14	PFEX	1	LOW	
1411d65-003b	SBFT-14 (10-15)S	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	05-Dec-14	PFEX	1	LOW	SLFR
1411d65-003b	SBFT-14 (10-15)A	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR H2SO4
1411d65-004b	SBFT-15 (0-5)A	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR H2SO4
1411d65-004b	SBFT-15 (0-5)	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	03-Dec-14	PFEX	1	LOW	
1411d65-005b	SBFT-15 (5-10)A	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR H2SO4
1411d65-005b	SBFT-15 (5-10)	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	03-Dec-14	PFEX	1	LOW	
1411d65-005bms	SBFT-15 (5-10)MS	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	03-Dec-14	PFEX	1	LOW	
1411d65-005bmsd	SBFT-15 (5-10)MSD	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	03-Dec-14	PFEX	1	LOW	
1411d65-006b	SBFT-15 (10-15)A	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR H2SO4
1411d65-006b	SBFT-15 (10-15)	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	03-Dec-14	PFEX	1	LOW	
1411d65-007b	SBFT-16 (0-5)	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	03-Dec-14	PFEX	1	LOW	
1411d65-007b	SBFT-16 (0-5)A	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR H2SO4
1411d65-008b	SBFT-16 (5-10)	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	03-Dec-14	PFEX	1	LOW	
1411d65-008b	SBFT-16 (5-10)A	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR H2SO4
1411d65-009b	SBFT-16 (10-15)A	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR H2SO4
1411d65-009b	SBFT-16 (10-15)	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	03-Dec-14	PFEX	1	LOW	
1411d65-010b	SBFT-17 (0-5)	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	03-Dec-14	PFEX	1	LOW	
1411d65-010b	SBFT-17 (0-5)A	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR H2SO4
1411d65-011b	SBFT-18 (0-5)	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	05-Dec-14	PFEX	1	LOW	
1411d65-011b	SBFT-18 (0-5)A	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR H2SO4
1411d65-012b	SBFT-19 (0-5)	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	05-Dec-14	PFEX	1	LOW	
1411d65-012b	SBFT-19 (0-5)A	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR H2SO4
1411d65-012b	SBFT-19 (0-5)ADL	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	10-Dec-14	PFEX	10	LOW	SLFR H2SO4
1411d65-012b	SBFT-19 (0-5)ADL	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	10-Dec-14	PFEX	50	LOW	SLFR H2SO4

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1411d65-013b	SBFT-19 (5-10)A	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR H2SO4
1411d65-013b	SBFT-19 (5-10)ADL	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	10-Dec-14	PFEX	10	LOW	SLFR H2SO4
1411d65-013b	SBFT-19 (5-10)	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	05-Dec-14	PFEX	1	LOW	
1411d65-014b	SBOF-2 (0-5)	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	05-Dec-14	PFEX	1	LOW	
1411d65-014b	SBOF-2 (0-5)A	Soil	SW8081/8082	19-Nov-14	19-Nov-14	24-Nov-14	02-Dec-14	PFEX	1	LOW	SLFR H2SO4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF010

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1411D65-001B	SBFT-14 (0-5)	Soil	SW8151	19-Nov-14	19-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	
1411D65-002B	SBFT-14 (5-10)	Soil	SW8151	19-Nov-14	19-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	
1411D65-003B	SBFT-14 (10-15)	Soil	SW8151	19-Nov-14	19-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	
1411D65-004B	SBFT-15 (0-5)	Soil	SW8151	19-Nov-14	19-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	
1411D65-005B	SBFT-15 (5-10)	Soil	SW8151	19-Nov-14	19-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	
1411D65-006B	SBFT-15 (10-15)	Soil	SW8151	19-Nov-14	19-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	
1411D65-007B	SBFT-16 (0-5)	Soil	SW8151	19-Nov-14	19-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	
1411D65-008B	SBFT-16 (5-10)	Soil	SW8151	19-Nov-14	19-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	
1411D65-009B	SBFT-16 (10-15)	Soil	SW8151	19-Nov-14	19-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	
1411D65-010B	SBFT-17 (0-5)	Soil	SW8151	19-Nov-14	19-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	
1411D65-011B	SBFT-18 (0-5)	Soil	SW8151	19-Nov-14	19-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	
1411D65-012B	SBFT-19 (0-5)	Soil	SW8151	19-Nov-14	19-Nov-14	24-Nov-14	27-Nov-14	Shake/SEPF	1	LOW	
1411D65-013B	SBFT-19 (5-10)	Soil	SW8151	19-Nov-14	19-Nov-14	24-Nov-14	27-Nov-14	Shake/SEPF	1	LOW	
1411D65-014B	SBOF-2 (0-5)	Soil	SW8151	19-Nov-14	19-Nov-14	24-Nov-14	27-Nov-14	Shake/SEPF	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG : GNF010

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	DateRecd at Lab	Date Analyzed
1411D65-001	SBFT-14 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14
1411D65-001DUP	SBFT-14 (0-5)D	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14
1411D65-001MS	SBFT-14 (0-5)S	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14
1411D65-002	SBFT-14 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14
1411D65-003	SBFT-14 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14
1411D65-004	SBFT-15 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14
1411D65-005	SBFT-15 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14
1411D65-006	SBFT-15 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14
1411D65-007	SBFT-16 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14
1411D65-008	SBFT-16 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14
1411D65-009	SBFT-16 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14
1411D65-010	SBFT-17 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14
1411D65-011	SBFT-18 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14
1411D65-012	SBFT-19 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14
1411D65-013	SBFT-19 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14
1411D65-014	SBOF-2 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	19-Nov-14	11/14 - 12/14

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
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III. CHAIN OF CUSTODY FORMS

H2M labs

575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04982

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF010

PROJECT NAME/NUMBER
Garvies Point Rd/Glen Cove

SAMPLERS: (Signature)/Client
Gannett Fleming
100 Crossways Park Drive West
Woodbury, NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES:

Project Contact: Manfred Bohms

Phone Number: (516)364-4140 mbohms@gfnet.com

PIS/Quote #

Sample Container Description: Terra Cove/VOAs; 4 oz.; 2 oz.; 8 oz.

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/Pest/Herbs	Metals	Radiolog.	LAB I.D. NO.	REMARKS:
11/19/14	10:08	SL	SBFT-14 (0-5)	7	4	1	1	1	1411D65-001	
	10:20		SBFT-14 (5-10)	7	4	1	1	1	-002	
	10:32		SBFT-14 (10-15)	7	4	1	1	1	-003	
	10:50		SBFT-17 (0-5)	7	4	1	1	1	-010	
	11:16		SBFT-18 (0-5)	7	4	1	1	1	-011	
	11:29		SBFT-19 (0-5)	7	4	1	1	1	-012	
	11:36		SBFT-19 (5-10)	7	4	1	1	1	-013	
	12:20		SBFT-15 (0-5)	7	4	1	1	1	-004	
	12:19		SBFT-15 (5-10)	7	4	1	1	1	-005	
	12:27		SBFT-15 (10-15)	7	4	1	1	1	-006	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	11/19/14	14:51	[signature]	11-19-14	1451

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ____ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF010 S19

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04991

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF010

PROJECT NAME/NUMBER
Garvies Point Rd/Glen Cove

SAMPLERS: (Signature)/Client
Garnett Fleming
100 Crossways Park West
Woodbury, NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES:

Project Contact: Manfred Bohms

Phone Number: mbohms@gfnet.com (516) 364-4140

PIS/Quote #

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/Pest/Herb/PCBs	metals	Radiology							LAB I.D. NO.	REMARKS:
				Sample Container Description	Terra Core/VOAs	4oz Jar	2oz Jar	8oz Jar								
11/19/14	12:45	SL	SBFT-16 (0-5)	7	4	1	1	1							1411065 -007	
↓	12:54	↓	SBFT-16 (5-10)	7	4	1	1	1							↓ -008	
↓	13:07	↓	SBFT-16 (10-15)	7	4	1	1	1							↓ -009	
↓	8:21	↓	SBOF-2 (0-5)	7	4	1	1	1							-014	
			JSA 11/20/14													

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	11/19/14	1451	[signature]	11-19-14	1451

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ✓ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

1.1°C

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF010 S20

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

GNF 010

Sample Receipt Checklist

Client Name GNF

Date and Time Received: 11/19/2014 2:51:00 PM

Work Order Number: 1411D65 RcptNo: 1

Received by MelissaWatson

Completed by: M. Watson

Reviewed by: Jennifer Ca

Completed Date: 11/19/2014 7:23:47 PM

Reviewed Date: 11/24/2014 8:33:39 PM

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☐	No ☑		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	1.1 °
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bil ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

Sample SBOF-2 (0-5) was received in the cooler but was not listed on the paperwork.

CorrectiveAction:

GNF010 S21

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-10D TURN AROUND TIME: 21 DAYS

SDG: GNF010 CASE#: MATRIX: Soil pH CHECK Y or N

REMARKS:

RECEIVED BY: MCW SIGNATURE: DATE: 11-18-14 TIME: 1700

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBFT-14 (0-5)	1411D65 001A	11-19-14	D, AA	3, 1	8260-S-SUFF(SEL)
2. (5-10)	002				
3. (10-15)	003				
4. -15 (0-5)	004				
5. (5-10)	005				
6. (10-15)	006				
7. -16 (0-5)	007				
8. (5-10)	008				
9. (10-15)	009				
10. -17 (0-5)	010				
11. -18 (0-5)	011				
12. -19 (0-5)	012				
13. (5-10)	013				
14. SBOF-2 (0-5)	014				
15.					
16.					
17.					
18.					
19.					
20.					

MCW 11-25-14

CLIENT: GNF

SDG: ~~PACE~~ GNF010

MCW
11-25-14

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
11-19-14	2000	[illegible]	[illegible]	D,AA	ANALYSIS	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: B05-10 D TURN AROUND TIME: 21 DAYS

SDG: GNF 010 CASE#: MATRIX: Soil pH CHECK Y or (N)

REMARKS:

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 11-19-14 TIME: 14:51

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBFT-14 (0-5)	1411 D65 001B	11-19-14	B	1	8081 | 8082_S(SEL), 8151_S(SEL), 8270_S-TCL(SEL)
2. ↓ (5-10)	002	↓	↓	↓	↓
3. ↓ (10-15)	003	↓	↓	↓	↓
4. SBFT-15 (0-5)	004	↓	↓	↓	↓
5. ↓ (5-10)	005	↓	↓	↓	↓
6. ↓ (10-15)	006	↓	↓	↓	↓
7. SBFT-16 (0-5)	007	↓	↓	↓	↓
8. ↓ (5-10)	008	↓	↓	↓	↓
9. ↓ (10-15)	009	↓	↓	↓	↓
10. SBFT-17 (0-5)	010	↓	↓	↓	↓
11. SBFT-18 (0-5)	011	↓	↓	↓	↓
12. SBFT-19 (0-5)	012	↓	↓	↓	↓
13. ↓ (5-10)	013	↓	↓	↓	↓
14. SBOF-2 (0-5)	014	↓	↓	↓	↓
15.					
16.					
17.					
18.					
19.					
20.					

MCW 11-21-14

CLIENT: GNF

SDG: GNF010

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
~~11-19-14~~ 11-20-14	2000	[illegible]	[illegible]	B	PREP	
11/24/14	12:00	[illegible]	[illegible]	B	Prep	
11/24/14	13:15	[illegible]	[illegible]	B	Prep/Storage	
~~11/24/14~~	~~16:50~~	~~[illegible]~~		~~All (E) 8151 8270_S~~	~~Analysis~~	
11/25/14	18:15	[illegible]	Melanie J Myers	All (E) 8151_S	Analysis	
11/26/14	16:50	[illegible]	Sean Haughney	All (E) 8270_S	Analysis	
12/3/14	13:08	[illegible]	[illegible]	All (E) 8182_S	Analysis	

(T) JB 11/25/14

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-10 D TURN AROUND TIME: 21 DAMS

SDG: GNF010 CASE#: _____ MATRIX: Soil pH CHECK Y or N

REMARKS: _____

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 11-19-14 TIME: 1451

ACCESSIONED 11-20-14

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. ~~Well #2~~ JS 11/19 SBFT-14 (0-5)	1411 DGS 0010	11-19-14	A	1	TCLMPKG-S, PMOIST MS/MSD
2. ~~Well #3~~ (5-10)	002				
3. (10-15)	003				
4. SBFT-15 (0-5)	004 ~~003~~ MCW 11-20-14				
5. (5-10)	005				
6. (10-15)	006				
7. SBFT-16 (0-5)	007				
8. (5-10)	008				
9. (10-15)	009				
10. SBFT-17 (0-5)	010				
11. 18 (0-5)	011				
12. 19 (0-5)	012				
13. 19 (5-10)	013				
14. SBOF-2 (0-5)	014				MCW T 11-21-14
15.					
16.					
17.					
18.					
19.					
20.					

MCW 11-20-14

CLIENT: GNF

SDG: GNF010

INTERNAL CHAIN OF CUSTODY

DATE MON-Tu-14	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
11-20-14	2000	[signature]	[signature]	A	DIG	
12-1-14	13:30	[signature]	Hamawatchi	DIGS	Analysis	

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

IV. ANALYTICAL FORM I'S:

A. VOLATILES
B. SEMIVOLATILES
C. PESTICIDES/PCBs
D. HERBICIDES
E. METALS

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

A. VOLATILES

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax. 631.420.8436

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(300\ \mathrm{U})}{\mathrm{D}} \times \mathrm{df} \text{ where } \mathrm{D} = \frac{100\%moisture}{100}$$

and df - dilution factor

For example, at 24% moisture, $\mathrm{D} = \frac{100-24}{100} = 0.76$

$$\frac{(300\ \mathrm{U})}{.76} \times 10 - 4300\ \mathrm{U}$$ rounded to the appropriate number of significant figures

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 µg/L and a concentration of 3 µg/L is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported of Form I with a "P".

C - This flag applies to pesticide results when the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory defined flag, discussed below.

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax. 631.420.8436

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identified compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration ranges in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g. a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceed 200 µg/L or the peak representing the two coeluting isomers on that GC column exceed 400 µg/L. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceed 400 µg/L.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - Other specific flags may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, used the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The laboratory defined flags limited to the letters "X", "Y" and "Z".

The combination of flags "BU' or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

Y Suspected secondary contamination.

X Analyte is suspected column bleed

Z Analyte had a %D greater then 20% in the daily CCV

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-14 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-001A

Sample wt/vol: 5.88 (g/mL) g Lab File ID: F68641.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: not dec. 14 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	3	J
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	12	
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-14 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-002A

Sample wt/vol: 5.97 (g/mL) g Lab File ID: F68642.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: not dec. 13 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	11	
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-14 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-003A

Sample wt/vol: 6.51 (g/mL) g Lab File ID: F68643.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: not dec. 21 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	10	
75-09-2	Methylene chloride	1	JZ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	6	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-15 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-004A

Sample wt/vol: 5.62 (g/mL) g Lab File ID: F68644.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: not dec. 7.8 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	5	J
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-15 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-005A

Sample wt/vol: 5.56 (g/mL) g Lab File ID: F68645.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: not dec. 15 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	5	J
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-15 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-006A

Sample wt/vol: 5.75 (g/mL) g Lab File ID: F68646.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: not dec. 15 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	3	J
75-09-2	Methylene chloride	1	JZ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-16 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-007A

Sample wt/vol: 6.42 (g/mL) g Lab File ID: F68647.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: not dec. 15 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	15	
75-09-2	Methylene chloride	1	JZ
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	3	J
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-16 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-008A

Sample wt/vol: 5.89 (g/mL) g Lab File ID: F68648.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: not dec. 11 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	3	J
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-16 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-009A

Sample wt/vol: 10.53 (g/mL) g Lab File ID: F68649.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: not dec. 8.4 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	78	U
75-01-4	Vinyl chloride	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	1	J
75-09-2	Methylene chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
108-88-3	Toluene	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylene (total)	5	U
98-82-8	Isopropylbenzene	5	U
103-65-1	n-Propylbenzene	5	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-17 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-010A

Sample wt/vol: 6.18 (g/mL) g Lab File ID: F68681.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: not dec. 8.2 Date Analyzed: 11/29/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	5	JZ
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	64	
75-09-2	Methylene chloride	9	U
156-60-5	trans-1,2-Dichloroethene	2	J
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	37	
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	0.9	BJ
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	2	J
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	1	J
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-18 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-011A

Sample wt/vol: 6.46 (g/mL) g Lab File ID: F68682.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: not dec. 10 Date Analyzed: 11/29/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	10	
75-09-2	Methylene chloride	1	JZ
156-60-5	trans-1,2-Dichloroethene	1	J
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	6	J
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	3	J
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-19 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-012A

Sample wt/vol: 8.19 (g/mL) g Lab File ID: F68683.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: not dec. 17 Date Analyzed: 11/29/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	110	U
75-01-4	Vinyl chloride	7	U
75-35-4	1,1-Dichloroethene	7	U
67-64-1	Acetone	13	
75-09-2	Methylene chloride	7	U
156-60-5	trans-1,2-Dichloroethene	7	U
1634-04-4	Methyl tert-butyl ether	7	U
75-34-3	1,1-Dichloroethane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
78-93-3	2-Butanone	2	JZ
67-66-3	Chloroform	7	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon tetrachloride	7	U
71-43-2	Benzene	7	U
107-06-2	1,2-Dichloroethane	7	U
79-01-6	Trichloroethene	7	U
108-88-3	Toluene	7	U
127-18-4	Tetrachloroethene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
1330-20-7	Xylene (total)	7	U
98-82-8	Isopropylbenzene	7	U
103-65-1	n-Propylbenzene	7	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	7	U
98-06-6	tert-Butylbenzene	7	U
95-63-6	1,2,4-Trimethylbenzene	7	U
135-98-8	sec-Butylbenzene	7	U
99-87-6	4-Isopropyltoluene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
104-51-8	n-Butylbenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-19 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-013A

Sample wt/vol: 5 (g/mL) g Lab File ID: F68763.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: not dec. 16 Date Analyzed: 12/03/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	180	U
75-01-4	Vinyl chloride	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	12	U
75-09-2	Methylene chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-butyl ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	2	BJ
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
108-88-3	Toluene	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
98-82-8	Isopropylbenzene	12	U
103-65-1	n-Propylbenzene	12	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	12	U
98-06-6	tert-Butylbenzene	12	U
95-63-6	1,2,4-Trimethylbenzene	12	U
135-98-8	sec-Butylbenzene	12	U
99-87-6	4-Isopropyltoluene	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
104-51-8	n-Butylbenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBOF-2 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-014A

Sample wt/vol: 4.59 (g/mL) g Lab File ID: F68685.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: not dec. 8.4 Date Analyzed: 11/29/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	180	U
75-01-4	Vinyl chloride	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	11	J
75-09-2	Methylene chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-butyl ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
108-88-3	Toluene	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
98-82-8	Isopropylbenzene	12	U
103-65-1	n-Propylbenzene	12	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	12	U
98-06-6	tert-Butylbenzene	12	U
95-63-6	1,2,4-Trimethylbenzene	12	U
135-98-8	sec-Butylbenzene	12	U
99-87-6	4-Isopropyltoluene	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
104-51-8	n-Butylbenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U

Pace Long Island

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B. SEMIVOLATILES

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-14(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-001B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: R25796.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 11/21/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-14(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-002B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R25797.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: 13 Decanted:(Y/N) N Date Extracted: 11/21/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-14(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-003B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R25798.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 11/21/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
132-64-9	Dibenzofuran	420	U
86-73-7	Fluorene	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	300	U
191-24-2	Benzo(g,h,i)perylene	420	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-15(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-004B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R25801.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: 7.8 Decanted: (Y/N) N Date Extracted: 11/21/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-15(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-005B

Sample wt/vol: 15.03 (g/mL) g Lab File ID: R25802.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 11/21/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-15(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-006B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25803.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 11/21/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-16(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-007B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R25804.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 11/21/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-16(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-008B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R25805.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 11/21/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-16(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-009B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R25806.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: 8.4 Decanted: (Y/N) N Date Extracted: 11/21/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-17(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-010B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R25807.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: 8.2 Decanted: (Y/N) N Date Extracted: 11/21/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-18(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-011B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: R25808.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 11/21/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	93	J
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	150	J
56-55-3	Benzo(a)anthracene	86	J
218-01-9	Chrysene	91	J
205-99-2	Benzo(b)fluoranthene	120	J
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	110	J
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-19(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-012B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: R25809.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 11/21/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
132-64-9	Dibenzofuran	400	U
86-73-7	Fluorene	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	110	J
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
205-99-2	Benzo(b)fluoranthene	98	J
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-19(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-013B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25810.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 11/21/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	140	J
129-00-0	Pyrene	140	J
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	110	J
205-99-2	Benzo(b)fluoranthene	140	J
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	90	J
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBOF-2(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-014B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R25823.D

Level: (low/med) LOW Date Received: 11/19/14

% Moisture: 8.4 Decanted: (Y/N) N Date Extracted: 11/21/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/02/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	240	J
129-00-0	Pyrene	230	J
56-55-3	Benzo(a)anthracene	130	J
218-01-9	Chrysene	140	J
205-99-2	Benzo(b)fluoranthene	200	J
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	160	J
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	79	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-47299

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: MB-47299

Sample wt/vol: 15 (g/mL) g Lab File ID: R25789G.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 11/21/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/01/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
132-64-9	Dibenzofuran	330	U
86-73-7	Fluorene	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	240	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

PACE ANALYTICAL

Date: 04-Dec-14

Test Code: 8270_S_TCL
Test Number: SW8270
Test Name: SVOCS IN SOIL
Matrix: Soil **Units:** µg/Kg

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	Synonym	MDL	PQL
A	Phenol		18	330
A	Bis(2-chloroethyl)ether		17	330
A	2-Chlorophenol		16	330
A	1,3-Dichlorobenzene		14	330
A	1,4-Dichlorobenzene		17	330
A	1,2-Dichlorobenzene		14	330
A	2-Methylphenol		31	330
A	2,2´-oxybis(1-Chloropropane)		20	330
A	4-Methylphenol		11	330
A	N-Nitroso-di-n-propylamine		22	330
A	Hexachloroethane		17	330
A	Nitrobenzene		20	330
A	Isophorone		22	330
A	2-Nitrophenol		13	330
A	2,4-Dimethylphenol		22	330
A	bis(2-Chloroethoxy)methane		18	330
A	2,4-Dichlorophenol		21	330
A	1,2,4-Trichlorobenzene		15	330
A	Naphthalene		37	330
A	4-Chloroaniline		17	330
A	Hexachlorobutadiene		18	330
A	4-Chloro-3-methylphenol		16	330
A	2-Methylnaphthalene		58	330
A	Hexachlorocyclopentadiene		21	330
A	2,4,6-Trichlorophenol		16	330
A	2,4,5-Trichlorophenol		15	830
A	2-Chloronaphthalene		14	330
A	2-Nitroaniline		20	830
A	Dimethylphthalate		13	330
A	Acenaphthylene		17	330
A	2,6-Dinitrotoluene		17	330
A	3-Nitroaniline		12	830
A	Acenaphthene		11	330
A	2,4-Dinitrophenol		27	830
A	4-Nitrophenol		17	830
A	Dibenzofuran		11	330
A	2,4-Dinitrotoluene		11	330
A	Diethylphthalate		9.4	330
A	4-Chlorophenyl-phenylether		9.2	330
A	Fluorene		14	330
A	4-Nitroaniline		12	830
A	4,6-Dinitro-2-methylphenol		11	830
A	N-Nitrosodiphenylamine		22	330
A	4-Bromophenyl-phenylether		16	330
A	Hexachlorobenzene		14	330
A	Pentachlorophenol		13	830

PACE ANALYTICAL

Date: 04-Dec-14

Test Code: 8270_S_TCL
Test Number: SW8270
Test Name: SVOCS IN SOIL
Matrix: Soil **Units:** µg/Kg

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	Synonym	MDL	PQL
A	Phenanthrene		36	330
A	Anthracene		17	330
A	Carbazole		14	330
A	Di-n-butyl phthalate		55	330
A	Fluoranthene		26	330
A	Pyrene		22	330
A	Butyl benzyl phthalate		7.9	330
A	3,3′-Dichlorobenzidine		27	330
A	Benzo(a)anthracene		15	330
A	Chrysene		17	330
A	bis(2-Ethylhexyl)phthalate		70	330
A	Di-n-octyl phthalate		17	330
A	Benzo(b)fluoranthene		23	330
A	Benzo(k)fluoranthene		36	330
A	Benzo(a)pyrene		19	330
A	Indeno(1,2,3-cd)pyrene		20	330
A	Dibenzo(a,h)anthracene		19	330
A	Benzo(g,h,i)perylene		25	330
I	1,4-Dichlorobenzene-d4		0	0
I	Naphthalene-d8		0	0
I	Acenaphthene-d10		0	0
I	Phenanthrene-d10		0	0
I	Chrysene-d12		0	0
I	Perylene-d12		0	0
S	2-Fluorophenol		0	0
S	Nitrobenzene-d5		0	0
S	Phenol-d5		0	0
S	2,4,6-Tribromophenol		0	0
S	2-Fluorobiphenyl		0	0
S	4-Terphenyl-d14		0	0
S	2-Chlorophenol-d4		0	0
S	1,2-Dichlorobenzene-d4		0	0
X	1,2,3,4-Tetrachlorobenzene		0	0
X	Benzidine		29	330
X	Benzoic acid		7.4	830
X	Aniline		20	330
X	N-Nitrosodimethylamine		11	330
X	Pyridine		28	330
X	Benzyl alcohol		29	330
X	Cresols, Total		0	0
X	1,2,4,5-Tetrachlorobenzene		14	0
X	1,2-Diphenylhydrazine		21	330

Pace Long Island

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C. PESTICIDES/PCBS

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-14 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-001b

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00627.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-14 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-001b

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00512.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	38	U
11104-28-2	Aroclor 1221	77	U
11141-16-5	Aroclor 1232	38	U
53469-21-9	Aroclor 1242	38	U
12672-29-6	Aroclor 1248	23	J
11097-69-1	Aroclor 1254	38	U
11096-82-5	Aroclor 1260	38	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-14 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-002b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00616.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-14 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-002b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00513.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-14 (10-15)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-003b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00736.raw

% Moisture: 21 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4´-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4´-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4´-DDT	4.2	U
5103-71-9	alpha-Chlordane	2.2	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-14 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-003b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00514.raw

% Moisture: 21 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	42	U
11104-28-2	Aroclor 1221	85	U
11141-16-5	Aroclor 1232	42	U
53469-21-9	Aroclor 1242	42	U
12672-29-6	Aroclor 1248	42	U
11097-69-1	Aroclor 1254	42	U
11096-82-5	Aroclor 1260	42	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-15 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-004b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00618.raw

% Moisture: 7.8 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-15 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-004b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00511.raw

% Moisture: 7.8 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-15 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-005b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00619.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-15 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-005b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00515.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-15 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-006b

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00622.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-15 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-006b

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00516.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-16 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-007b

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00623.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-16 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-007b

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00517.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-16 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-008b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00624.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-16 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-008b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00523.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-16 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-009b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00625.raw

% Moisture: 8.4 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-16 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-009b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00524.raw

% Moisture: 8.4 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-17 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-010b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00626.raw

% Moisture: 8.2 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-17 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-010b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00525.raw

% Moisture: 8.2 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-18 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-011b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00759.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-18 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-011b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00526.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-19 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-012b

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00758.raw

% Moisture: 17 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	14	P
76-44-8	Heptachlor	20	P
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	12	P
60-57-1	Dieldrin	18	
72-55-9	4,4´-DDE	17	P
72-20-8	Endrin	6.8	P
33213-65-9	Endosulfan II	3.7	PJ
72-54-8	4,4´-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4´-DDT	4.0	U
5103-71-9	alpha-Chlordane	8.0	P

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-19 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-012b

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00527.raw

% Moisture: 17 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	80	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	8400	E
11097-69-1	Aroclor 1254	2400	E
11096-82-5	Aroclor 1260	220	

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-19 (0-5)ADL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-012b

Sample wt/vol: 15.07 (g/mL) ML Lab File ID: a00158.raw

% Moisture: 17 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 10.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	400	U
11104-28-2	Aroclor 1221	800	U
11141-16-5	Aroclor 1232	400	U
53469-21-9	Aroclor 1242	400	U
12672-29-6	Aroclor 1248	7100	DEP
11097-69-1	Aroclor 1254	2700	DP
11096-82-5	Aroclor 1260	400	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-19 (0-5)ADL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-012b

Sample wt/vol: 15.07 (g/mL) ML Lab File ID: a00159.raw

% Moisture: 17 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 50.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	2000	U
11104-28-2	Aroclor 1221	4000	U
11141-16-5	Aroclor 1232	2000	U
53469-21-9	Aroclor 1242	2000	U
12672-29-6	Aroclor 1248	8900	D
11097-69-1	Aroclor 1254	3300	D
11096-82-5	Aroclor 1260	2000	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-19 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-013b

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00757.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	11	P
76-44-8	Heptachlor	15	P
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	11	P
60-57-1	Dieldrin	18	
72-55-9	4,4´-DDE	16	P
72-20-8	Endrin	7.3	
33213-65-9	Endosulfan II	4.3	P
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
5103-71-9	alpha-Chlordane	5.6	P

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-19 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-013b

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00528.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	80	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	5400	E
11097-69-1	Aroclor 1254	2400	E
11096-82-5	Aroclor 1260	260	

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-19 (5-10)ADL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-013b

Sample wt/vol: 15.03 (g/mL) ML Lab File ID: a00160.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 10.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	390	U
11104-28-2	Aroclor 1221	800	U
11141-16-5	Aroclor 1232	390	U
53469-21-9	Aroclor 1242	390	U
12672-29-6	Aroclor 1248	5400	D
11097-69-1	Aroclor 1254	2600	D
11096-82-5	Aroclor 1260	320	DJ

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBOF-2 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-014b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00756.raw

% Moisture: 8.4 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.5	PJ
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBOF-2 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411d65-014b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00529.raw

% Moisture: 8.4 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) PFEX Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/02/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	43	
11096-82-5	Aroclor 1260	20	J

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D. HERBICIDES

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-14 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-001B

Sample wt/vol: 25.03 (g/mL) g Lab File ID: A00508.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.8	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-14 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-002B

Sample wt/vol: 25.11 (g/mL) g Lab File ID: A00509.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.7	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-14 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-003B

Sample wt/vol: 25.06 (g/mL) g Lab File ID: A00510.raw

% Moisture: 21 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.4	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-15 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-004B

Sample wt/vol: 25.04 (g/mL) g Lab File ID: A00511.raw

% Moisture: 7.8 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.4	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-15 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-005B

Sample wt/vol: 25.01 (g/mL) g Lab File ID: A00512.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.9	U

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EPA SAMPLE NO.

SBFT-15 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-006B

Sample wt/vol: 25.13 (g/mL) g Lab File ID: A00513.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.8	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-16 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-007B

Sample wt/vol: 25.18 (g/mL) g Lab File ID: A00514.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.8	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-16 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-008B

Sample wt/vol: 25.12 (g/mL) g Lab File ID: A00515.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-16 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-009B

Sample wt/vol: 25.09 (g/mL) g Lab File ID: A00516.raw

% Moisture: 8.4 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.4	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-17 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-010B

Sample wt/vol: 25.14 (g/mL) g Lab File ID: A00517.raw

% Moisture: 8.2 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.4	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-18 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-011B

Sample wt/vol: 25.03 (g/mL) g Lab File ID: A00518.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-19 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-012B

Sample wt/vol: 25.12 (g/mL) g Lab File ID: A00519.raw

% Moisture: 17 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/27/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.0	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-19 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-013B

Sample wt/vol: 25.12 (g/mL) g Lab File ID: A00520.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/27/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.9	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBOF-2 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF010

Matrix: (soil/water) SOIL Lab Sample ID: 1411D65-014B

Sample wt/vol: 25.19 (g/mL) g Lab File ID: A00521.raw

% Moisture: 8.4 Decanted: (Y/N) N Date Received: 11/19/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/27/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.4	U

FORM I HERB

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E. METALS

Pace Long Island

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QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

E - Serial dilution is not within acceptance criteria or the reported value is estimated because of the presence of interference. An explanatory note is included in the SDG narrative.

N - Matrix spike sample recovery not within control limits.

* - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).

U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

P - Analyzed by ICP.
MS - Analyzed by ICP-MS
CV - Analyzed by Manual Cold Vapor techniques.
AV - Analyzed by Automated Cold Vapor techniques.
C - Analyzed by Manual Spectrophotometric Method.
CA- Analyzed by Midi-distillation Spectrophotometric Method.
NR - Analyte not Required.

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-14 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF010

Matrix (soil/water): SOIL Lab Sample ID: 1411D65-001

Level (low/med): LOW Date Received: 11/19/2014

% Solids: 86.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6980		E	P
7440-36-0	Antimony	0.62	B		P
7440-38-2	Arsenic	2.4			P
7440-39-3	Barium	44.8		E	P
7440-41-7	Beryllium	0.46	B		P
7440-43-9	Cadmium	0.66			P
7440-70-2	Calcium	2570			P
7440-47-3	Chromium	14.7		E	P
7440-48-4	Cobalt	6.4			P
7440-50-8	Copper	10.4			P
7439-89-6	Iron	9660			P
7439-92-1	Lead	4.1		N	P
7439-95-4	Magnesium	1600		E	P
7439-96-5	Manganese	245		*	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	7.8			P
7440-09-7	Potassium	487	B		P
7782-49-2	Selenium	3.7			P
7440-22-4	Silver	0.85	B	N	P
7440-23-5	Sodium	232	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	13.1		E	P
7440-66-6	Zinc	69.2			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/4/14

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-14 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF010

Matrix (soil/water): SOIL Lab Sample ID: 1411D65-002

Level (low/med): LOW Date Received: 11/19/2014

% Solids: 86.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4000		E	P
7440-36-0	Antimony	0.18	U		P
7440-38-2	Arsenic	1.2			P
7440-39-3	Barium	22.1	B	E	P
7440-41-7	Beryllium	0.10	B		P
7440-43-9	Cadmium	0.33	B		P
7440-70-2	Calcium	614			P
7440-47-3	Chromium	10.1		E	P
7440-48-4	Cobalt	2.7	B		P
7440-50-8	Copper	83.2			P
7439-89-6	Iron	6030			P
7439-92-1	Lead	7.4		N	P
7439-95-4	Magnesium	966		E	P
7439-96-5	Manganese	70.4		*	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	5.7			P
7440-09-7	Potassium	399	B		P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.53	B	N	P
7440-23-5	Sodium	225	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	8.5		E	P
7440-66-6	Zinc	25.9			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/4/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-14 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF010

Matrix (soil/water): SOIL Lab Sample ID: 1411D65-003

Level (low/med): LOW Date Received: 11/19/2014

% Solids: 78.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13900		E	P
7440-36-0	Antimony	0.88	B		P
7440-38-2	Arsenic	2.8			P
7440-39-3	Barium	98.2		E	P
7440-41-7	Beryllium	0.83			P
7440-43-9	Cadmium	0.78			P
7440-70-2	Calcium	3350			P
7440-47-3	Chromium	35.5		E	P
7440-48-4	Cobalt	15.4			P
7440-50-8	Copper	28.4			P
7439-89-6	Iron	26000			P
7439-92-1	Lead	9.0		N	P
7439-95-4	Magnesium	6240		E	P
7439-96-5	Manganese	553		*	P
7439-97-6	Mercury	0.021	U		CV
7440-02-0	Nickel	29.4			P
7440-09-7	Potassium	3210			P
7782-49-2	Selenium	0.31	U		P
7440-22-4	Silver	1.6		N	P
7440-23-5	Sodium	321	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	38.7		E	P
7440-66-6	Zinc	63.6			P

Color Before: BROWN Clarity Before: Texture: CLAY

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 12/4/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-15 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF010

Matrix (soil/water): SOIL Lab Sample ID: 1411D65-004

Level (low/med): LOW Date Received: 11/19/2014

% Solids: 92.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4530		E	P
7440-36-0	Antimony	0.78	B		P
7440-38-2	Arsenic	1.4			P
7440-39-3	Barium	67.2		E	P
7440-41-7	Beryllium	0.26	B		P
7440-43-9	Cadmium	0.57			P
7440-70-2	Calcium	220	B		P
7440-47-3	Chromium	12.7		E	P
7440-48-4	Cobalt	7.7			P
7440-50-8	Copper	27.4			P
7439-89-6	Iron	19700			P
7439-92-1	Lead	1.5		N	P
7439-95-4	Magnesium	1090		E	P
7439-96-5	Manganese	1500		*	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	4.9			P
7440-09-7	Potassium	539	B		P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	1.3		N	P
7440-23-5	Sodium	17.0	U		P
7440-28-0	Thallium	4.6			P
7440-62-2	Vanadium	9.6		E	P
7440-66-6	Zinc	17.4			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/4/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-15 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF010

Matrix (soil/water): SOIL Lab Sample ID: 1411D65-005

Level (low/med): LOW Date Received: 11/19/2014

% Solids: 84.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3310		E	P
7440-36-0	Antimony	0.27	B		P
7440-38-2	Arsenic	0.75	B		P
7440-39-3	Barium	12.6	B	E	P
7440-41-7	Beryllium	0.082	B		P
7440-43-9	Cadmium	0.13	B		P
7440-70-2	Calcium	141	B		P
7440-47-3	Chromium	7.0		E	P
7440-48-4	Cobalt	2.7	B		P
7440-50-8	Copper	9.3			P
7439-89-6	Iron	4390			P
7439-92-1	Lead	2.1		N	P
7439-95-4	Magnesium	393	B	E	P
7439-96-5	Manganese	145		*	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	3.4	B		P
7440-09-7	Potassium	351	B		P
7782-49-2	Selenium	0.28	U		P
7440-22-4	Silver	0.24	B	N	P
7440-23-5	Sodium	18.4	U		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	6.5		E	P
7440-66-6	Zinc	13.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/4/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-15 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF010

Matrix (soil/water): SOIL Lab Sample ID: 1411D65-006

Level (low/med): LOW Date Received: 11/19/2014

% Solids: 85.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1320		E	P
7440-36-0	Antimony	0.27	B		P
7440-38-2	Arsenic	0.94	B		P
7440-39-3	Barium	7.5	B	E	P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	0.16	B		P
7440-70-2	Calcium	56.0	B		P
7440-47-3	Chromium	5.3		E	P
7440-48-4	Cobalt	2.1	B		P
7440-50-8	Copper	10.0			P
7439-89-6	Iron	6690			P
7439-92-1	Lead	0.50		N	P
7439-95-4	Magnesium	109	B	E	P
7439-96-5	Manganese	191		*	P
7439-97-6	Mercury	0.020	U		CV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	114	B		P
7782-49-2	Selenium	0.28	U		P
7440-22-4	Silver	0.40	B	N	P
7440-23-5	Sodium	18.1	U		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	5.1	B	E	P
7440-66-6	Zinc	9.8			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/4/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-16 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF010

Matrix (soil/water): SOIL Lab Sample ID: 1411D65-007

Level (low/med): LOW Date Received: 11/19/2014

% Solids: 84.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5610		E	P
7440-36-0	Antimony	0.74	B		P
7440-38-2	Arsenic	2.3			P
7440-39-3	Barium	27.1		E	P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	0.32	B		P
7440-70-2	Calcium	845			P
7440-47-3	Chromium	19.1		E	P
7440-48-4	Cobalt	5.1	B		P
7440-50-8	Copper	27.3			P
7439-89-6	Iron	10400			P
7439-92-1	Lead	2.7		N	P
7439-95-4	Magnesium	2040		E	P
7439-96-5	Manganese	221		*	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	7.9			P
7440-09-7	Potassium	808			P
7782-49-2	Selenium	0.28	U		P
7440-22-4	Silver	0.63	B	N	P
7440-23-5	Sodium	18.5	U		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	17.0		E	P
7440-66-6	Zinc	21.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/4/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-16 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF010

Matrix (soil/water): SOIL Lab Sample ID: 1411D65-008

Level (low/med): LOW Date Received: 11/19/2014

% Solids: 88.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1330		E	P
7440-36-0	Antimony	0.28	B		P
7440-38-2	Arsenic	1.5			P
7440-39-3	Barium	7.2	B	E	P
7440-41-7	Beryllium	0.090	B		P
7440-43-9	Cadmium	0.24	B		P
7440-70-2	Calcium	292	B		P
7440-47-3	Chromium	9.0		E	P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	9.8			P
7439-89-6	Iron	10700			P
7439-92-1	Lead	0.28	B	N	P
7439-95-4	Magnesium	292	B	E	P
7439-96-5	Manganese	125		*	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	2.5	B		P
7440-09-7	Potassium	131	B		P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.67	B	N	P
7440-23-5	Sodium	32.8	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	3.3	B	E	P
7440-66-6	Zinc	6.2			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/4/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-16 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF010

Matrix (soil/water): SOIL Lab Sample ID: 1411D65-009

Level (low/med): LOW Date Received: 11/19/2014

% Solids: 91.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	681		E	P
7440-36-0	Antimony	0.26	B		P
7440-38-2	Arsenic	0.63	B		P
7440-39-3	Barium	3.6	B	E	P
7440-41-7	Beryllium	0.044	B		P
7440-43-9	Cadmium	0.13	B		P
7440-70-2	Calcium	49.5	B		P
7440-47-3	Chromium	4.7		E	P
7440-48-4	Cobalt	0.37	B		P
7440-50-8	Copper	6.8			P
7439-89-6	Iron	6950			P
7439-92-1	Lead	0.34		N	P
7439-95-4	Magnesium	47.5	B	E	P
7439-96-5	Manganese	48.2		*	P
7439-97-6	Mercury	0.017	U		CV
7440-02-0	Nickel	0.71	B		P
7440-09-7	Potassium	85.5	B		P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.41	B	N	P
7440-23-5	Sodium	17.1	U		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	2.4	B	E	P
7440-66-6	Zinc	4.2			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/4/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-17 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF010

Matrix (soil/water): SOIL Lab Sample ID: 1411D65-010

Level (low/med): LOW Date Received: 11/19/2014

% Solids: 91.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3240		E	P
7440-36-0	Antimony	11.6			P
7440-38-2	Arsenic	4.6			P
7440-39-3	Barium	13.5	B	E	P
7440-41-7	Beryllium	0.42	B		P
7440-43-9	Cadmium	0.22	B		P
7440-70-2	Calcium	2140			P
7440-47-3	Chromium	9.6		E	P
7440-48-4	Cobalt	7.7			P
7440-50-8	Copper	361			P
7439-89-6	Iron	7070			P
7439-92-1	Lead	42.9		N	P
7439-95-4	Magnesium	713		E	P
7439-96-5	Manganese	131		*	P
7439-97-6	Mercury	0.10			CV
7440-02-0	Nickel	4.8			P
7440-09-7	Potassium	377	B		P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	1.6		N	P
7440-23-5	Sodium	29.9	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	9.4		E	P
7440-66-6	Zinc	33.2			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/4/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-18 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF010

Matrix (soil/water): SOIL Lab Sample ID: 1411D65-011

Level (low/med): LOW Date Received: 11/19/2014

% Solids: 89.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4800		E	P
7440-36-0	Antimony	0.57	B		P
7440-38-2	Arsenic	3.6			P
7440-39-3	Barium	41.1		E	P
7440-41-7	Beryllium	0.19	B		P
7440-43-9	Cadmium	0.34	B		P
7440-70-2	Calcium	22500			P
7440-47-3	Chromium	12.1		E	P
7440-48-4	Cobalt	4.6	B		P
7440-50-8	Copper	24.3			P
7439-89-6	Iron	8010			P
7439-92-1	Lead	48.7		N	P
7439-95-4	Magnesium	1600		E	P
7439-96-5	Manganese	302		*	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	6.4			P
7440-09-7	Potassium	692			P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.54	B	N	P
7440-23-5	Sodium	638			P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	11.8		E	P
7440-66-6	Zinc	51.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/4/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-19 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF010

Matrix (soil/water): SOIL Lab Sample ID: 1411D65-012

Level (low/med): LOW Date Received: 11/19/2014

% Solids: 83.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600		E	P
7440-36-0	Antimony	1.3	B		P
7440-38-2	Arsenic	8.4			P
7440-39-3	Barium	74.4		E	P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	0.86			P
7440-70-2	Calcium	2210			P
7440-47-3	Chromium	24.1		E	P
7440-48-4	Cobalt	6.9			P
7440-50-8	Copper	30.6			P
7439-89-6	Iron	18400			P
7439-92-1	Lead	225		N	P
7439-95-4	Magnesium	2270		E	P
7439-96-5	Manganese	359		*	P
7439-97-6	Mercury	0.14			CV
7440-02-0	Nickel	14.4			P
7440-09-7	Potassium	698			P
7782-49-2	Selenium	0.29	U		P
7440-22-4	Silver	1.8		N	P
7440-23-5	Sodium	69.8	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	26.3		E	P
7440-66-6	Zinc	119			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/4/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-19 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF010

Matrix (soil/water): SOIL Lab Sample ID: 1411D65-013

Level (low/med): LOW Date Received: 11/19/2014

% Solids: 83.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14100		E	P
7440-36-0	Antimony	1.3	B		P
7440-38-2	Arsenic	8.2			P
7440-39-3	Barium	82.4		E	P
7440-41-7	Beryllium	0.55	B		P
7440-43-9	Cadmium	0.92			P
7440-70-2	Calcium	2140			P
7440-47-3	Chromium	23.1		E	P
7440-48-4	Cobalt	7.3			P
7440-50-8	Copper	28.4			P
7439-89-6	Iron	19700			P
7439-92-1	Lead	242		N	P
7439-95-4	Magnesium	2300		E	P
7439-96-5	Manganese	343		*	P
7439-97-6	Mercury	0.19			CV
7440-02-0	Nickel	16.4			P
7440-09-7	Potassium	655			P
7782-49-2	Selenium	0.29	U		P
7440-22-4	Silver	1.5		N	P
7440-23-5	Sodium	88.9	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	28.7		E	P
7440-66-6	Zinc	127			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/4/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBOF-2 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF010

Matrix (soil/water): SOIL Lab Sample ID: 1411D65-014

Level (low/med): LOW Date Received: 11/19/2014

% Solids: 91.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1950		E	P
7440-36-0	Antimony	4.7	B		P
7440-38-2	Arsenic	7.7			P
7440-39-3	Barium	18.8	B	E	P
7440-41-7	Beryllium	0.076	B		P
7440-43-9	Cadmium	0.24	B		P
7440-70-2	Calcium	470	B		P
7440-47-3	Chromium	7.4		E	P
7440-48-4	Cobalt	4.0	B		P
7440-50-8	Copper	11.4			P
7439-89-6	Iron	5960			P
7439-92-1	Lead	23.3		N	P
7439-95-4	Magnesium	591		E	P
7439-96-5	Manganese	141		*	P
7439-97-6	Mercury	0.036			CV
7440-02-0	Nickel	4.7			P
7440-09-7	Potassium	329	B		P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.68	B	N	P
7440-23-5	Sodium	17.1	U		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	8.1		E	P
7440-66-6	Zinc	33.5			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/4/14

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ANALYTICAL DATA PACKAGE
ASP A PACKAGE

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GANNETT & FLEMING
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I. SDG NARRATIVE

Pace Long Island

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SDG NARRATIVE FOR VOLATILES ANALYSIS
SAMPLE(S) RECEIVED: 11/18/14
SDG#: GNF009

For Sample(s):

SBFT-9 (0-5)	SBFT-11 (0-5)	SBFT-11 (20-25)
SBFT-9 (5-10)	SBFT-11 (5-10)	SBFT-12 (0-5)
SBFT-10 (0-5)	SBFT-11 (10-15)	SBFT-13 (0-5)
SBFT-10 (5-10)	SBFT-11 (15-20)	

The above soil samples were collected and processed headspace free according to EPA method 5035A. They were analyzed for a select list of volatile organic analytes by EPA method 8260C and reported in accordance with the NYS ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/matrix spike duplicate analysis. Lab fortified blanks were analyzed, and all percent recoveries were within Q. C. limits.

In the initial calibration, average response factors were employed for most analytes, and regression function(s) was/were used for the compound(s) with an RSD above 20%.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: December 9, 2014

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Ursula Middel
Quality Analyst

Pace Long Island

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SDG NARRATIVE FOR SEMIVOLATILE ANALYSES
SAMPLE(S) RECEIVED: 11/18/14
SDG #: GNF009

For Sample(s):

SBFT-9 (0-5)	SBFT-11 (0-5)	SBFT-11 (20-25)
SBFT-9 (5-10)	SBFT-11 (5-10)	SBFT-12 (0-5)
SBFT-10 (0-5)	SBFT-11 (10-15)	SBFT-13 (0-5)
SBFT-10 (5-10)	SBFT-11 (15-20)	

The above sample(s) was/were analyzed for a select list of base/neutral extractables by EPA method 8270D in accordance with the NYSDEC ASP, Rev. 7/2005, Category A.

All Q.C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

No matrix spike/matrix spike duplicate was submitted. Lab fortified blanks were analyzed, and recoveries indicate good method efficiency.

In the initial calibrations, average response factors were employed for the compounds with RSDs up to 20%. The variability %D for analytes in the CCVs that are 20% are flagged with a "Z" qualifier indicating that is regarded estimated.

The internal standard area count for d12 perylene was low in sample SBFT-13 (0-5). Similar results were observed in the re-analysis. Both sets of data are submitted.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: December 17, 2014

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Joann M. Slavin
General Manager

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SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLE(S) RECEIVED: 11/18/14
SDG#: GNF009

For Sample(s):

SBFT-9 (0-5)	SBFT-11 (0-5)	SBFT-11 (20-25)
SBFT-9 (5-10)	SBFT-11 (5-10)	SBFT-12 (0-5)
SBFT-10 (0-5)	SBFT-11 (10-15)	SBFT-13 (0-5)
SBFT-10 (5-10)	SBFT-11 (15-20)	

The above soil sample(s) was/were analyzed for a select list of chlorinated pesticides and aroclors by methods 8081B and 8082A and reported in accordance with the NYSDEC ASP, Rev. 7/2005, Category A.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. The following should be noted:

The concentrated extracts were split and analyzed separately for pesticides and PCBs. The aliquots for aroclors analysis were cleaned up with sulfuric acid and TBA for sulfur removal. These aliquots for aroclors analysis are reported with an "A" suffix. A number of pesticides aliquots also had to be subjected to sulfur cleanup. These samples are identified with the suffix "S".

No sample was submitted for matrix spike/ matrix spike duplicate (MS/MSD) analysis. Lab fortified blanks were analyzed with and without sulfur cleanup, and recoveries indicate good method efficiency for all targeted analytes.

The pesticides extracts were analyzed in two sequences. In the first sequence, the opening and closing continuous calibration verifications (CCV) had low responses for four analytes on one analytical column. No positives for these analytes were found in the samples analyzed in that sequence, and the results for the LFB are reported from the other (compliant) column.

In the second sequence, the CCVs and breakdown checks (PEM) for 4,4'-DDT shows excessive breakdown, which affected both analytical columns. The samples were re-analyzed in a new sequence after remedial action for instrument performance, and breakdown occurred again confirming matrix interference. Of the affected samples, only sample SBFT-12 (0-5) contains 4,4'-DDT and metabolites. Results for these pesticides are regarded estimated, and 4,4'DDT may be biased low, whereas 4,4'-DDE and 4,4'-DDD are expected to be biased high.

Positives are reported to the practical detection limits of ½ of the reporting limits.

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SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLE(S) RECEIVED: 11/18/14
SDG#: GNF009

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: December 9, 2014

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Quality Analyst

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SDG NARRATIVE FOR HERBICIDES ANALYSIS
SAMPLE(S) RECEIVED: 11/18/14
SDG#: GNF009

For Sample(s):

SBFT-9 (0-5)	SBFT-11 (0-5)	SBFT-11 (20-25)
SBFT-9 (5-10)	SBFT-11 (5-10)	SBFT-12 (0-5)
SBFT-10 (0-5)	SBFT-11 (10-15)	SBFT-13 (0-5)
SBFT-10 (5-10)	SBFT-11 (15-20)	

The above soil sample(s) was/were analyzed for 2,4,5-TP by method 8151A and reported according to the requirements of the NYS DEC ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

Sample SBFT-11 (20-25) was selected for batch Q. C. matrix spike/ matrix spike duplicate analysis. Recoveries and RPDs were within Q. C. limits. Lab fortified blanks (LFB) were analyzed, and results indicate good method efficiency.

In the continuing calibration verifications (CCV), the variability was above 20% on one column (responses high), whereas the other column was compliant. LFB results from the compliant column were used. No sample data are affected.

Positives are reported to the practical detection limit (PDL) of half of the reporting limit (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: December 9, 2014

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Ursula Middel
Quality Analyst

Pace Long Island

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 11/18/14
SDG#: GNF009

For Sample(s):

SBFT-9 (0-5)	SBFT-11 (0-5)	SBFT-11 (20-25)
SBFT-9 (5-10)	SBFT-11 (5-10)	SBFT-12 (0-5)
SBFT-10 (0-5)	SBFT-11 (10-15)	SBFT-13 (0-5)
SBFT-10 (5-10)	SBFT-11 (15-20)	GW-SSBR-20U

The above soil sample(s) was/were received by Pace Analytical Services Inc. for analysis of TAL metals. Data are reported with the requested deliverables.

The samples were prepared and analyzed by EPA method 6010C with a TS ICAP 6000 instrument and EPA method 7470A with a Leeman HYDRA mercury analyzer.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

The samples were analyzed twice with two different calibrations. Acceptance criteria were not met for multiple metals for the first calibration, and only thallium is reported from that set of analyses.

Sample SBFT-9 (0-5) was submitted for batch Q. C. analysis and reporting.

Spike analysis results did not meet acceptance criteria of 75-125% for lead, manganese, silver, and thallium. The sample was post spiked, reanalyzed and recoveries were within 75-125% for all four metals. Data for these metals were flagged with the qualifier "N" on forms 1 and 5A.

The spike recovery was also not within 75-125% for iron. However, since the sample concentration was greater than four times the spike concentrations, Q. C. limits do not apply, and post spikes and data qualifiers were not required.

Duplicate analysis did not meet acceptance criteria for chromium. Chromium data were reported with the qualifier "*" on forms 1 and 6.

The ICP serial dilution analysis did not meet control limits for aluminum, barium, chromium, magnesium, nickel, and vanadium. Data for these metals were reported flagged "E" on forms 1 and 9.

Pace Long Island

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 11/18/14
SDG#: GNF009

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: December 8, 2014

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II. NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: GNF009

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1411C56-001A	SBFT-9 (0-5)	Soil	ASPB8260	18-Nov-14	18-Nov-14		26-Nov-14		1	LOW	
1411C56-002A	SBFT-9 (5-10)	Soil	ASPB8260	18-Nov-14	18-Nov-14		26-Nov-14		1	LOW	
1411C56-003A	SBFT-10 (0-5)	Soil	ASPB8260	18-Nov-14	18-Nov-14		26-Nov-14		1	LOW	
1411C56-004A	SBFT-10 (5-10)	Soil	ASPB8260	18-Nov-14	18-Nov-14		26-Nov-14		1	LOW	
1411C56-005A	SBFT-11 (0-5)	Soil	ASPB8260	18-Nov-14	18-Nov-14		26-Nov-14		1	LOW	
1411C56-006A	SBFT-11 (5-10)	Soil	ASPB8260	18-Nov-14	18-Nov-14		26-Nov-14		1	LOW	
1411C56-007A	SBFT-11 (10-15)	Soil	ASPB8260	18-Nov-14	18-Nov-14		26-Nov-14		1	LOW	
1411C56-008A	SBFT-11 (15-20)	Soil	ASPB8260	18-Nov-14	18-Nov-14		26-Nov-14		1	LOW	
1411C56-009A	SBFT-11 (20-25)	Soil	ASPB8260	18-Nov-14	18-Nov-14		26-Nov-14		1	LOW	
1411C56-010A	SBFT-12 (0-5)	Soil	ASPB8260	18-Nov-14	18-Nov-14		26-Nov-14		1	LOW	
1411C56-011A	SBFT-13 (0-5)	Soil	ASPB8260	18-Nov-14	18-Nov-14		26-Nov-14		1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

SDG: GNF009

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1411C56-001B	SBFT-9 (0-5)	Soil	8270D	18-Nov-14	18-Nov-14	20-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C56-002B	SBFT-9 (5-10)	Soil	8270D	18-Nov-14	18-Nov-14	20-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C56-003B	SBFT-10 (0-5)	Soil	8270D	18-Nov-14	18-Nov-14	20-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C56-004B	SBFT-10 (5-10)	Soil	8270D	18-Nov-14	18-Nov-14	20-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C56-005B	SBFT-11 (0-5)	Soil	8270D	18-Nov-14	18-Nov-14	20-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C56-006B	SBFT-11 (5-10)	Soil	8270D	18-Nov-14	18-Nov-14	20-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C56-007B	SBFT-11 (10-15)	Soil	8270D	18-Nov-14	18-Nov-14	20-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C56-008B	SBFT-11 (15-20)	Soil	8270D	18-Nov-14	18-Nov-14	20-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C56-009B	SBFT-11 (20-25)	Soil	8270D	18-Nov-14	18-Nov-14	20-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C56-010B	SBFT-12 (0-5)	Soil	8270D	18-Nov-14	18-Nov-14	20-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C56-011B	SBFT-13 (0-5)RE	Soil	8270D	18-Nov-14	18-Nov-14	20-Nov-14	25-Nov-14	PFEX	1	LOW	
1411C56-011B	SBFT-13 (0-5)	Soil	8270D	18-Nov-14	18-Nov-14	20-Nov-14	25-Nov-14	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF009

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1411C56-001B	SBFT-9 (0-5)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	30-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411c56-001b	SBFT-9 (0-5)	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	03-Dec-14	PFEX	1	LOW	
1411C56-002B	SBFT-9 (5-10)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	30-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411C56-002B	SBFT-9 (5-10)S	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	05-Dec-14	PFEX	1	LOW	SLFR
1411c56-003b	SBFT-10 (0-5)	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	03-Dec-14	PFEX	1	LOW	
1411C56-003B	SBFT-10 (0-5)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	30-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411c56-004b	SBFT-10 (5-10)S	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	03-Dec-14	PFEX	1	LOW	SLFR
1411C56-004B	SBFT-10 (5-10)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	30-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411c56-005b	SBFT-11 (0-5)	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	03-Dec-14	PFEX	1	LOW	
1411C56-005B	SBFT-11 (0-5)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	30-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411c56-006b	SBFT-11 (5-10)	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	30-Nov-14	PFEX	1	LOW	
1411C56-006B	SBFT-11 (5-10)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	30-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411c56-007b	SBFT-11 (10-15)	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	30-Nov-14	PFEX	1	LOW	
1411C56-007B	SBFT-11 (10-15)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	30-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411C56-008B	SBFT-11 (15-20)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	30-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411c56-008b	SBFT-11 (15-20)	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	30-Nov-14	PFEX	1	LOW	
1411C56-009B	SBFT-11 (20-25)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	30-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411c56-009b	SBFT-11 (20-25)	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	30-Nov-14	PFEX	1	LOW	
1411C56-010B	SBFT-12 (0-5)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	30-Nov-14	PFEX	1	LOW	SLFR H2SO4
1411c56-010b	SBFT-12 (0-5)	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	03-Dec-14	PFEX	1	LOW	
1411C56-011B	SBFT-13 (0-5)	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	03-Dec-14	PFEX	1	LOW	
1411C56-011B	SBFT-13 (0-5)A	Soil	SW8081/8082	18-Nov-14	18-Nov-14	20-Nov-14	30-Nov-14	PFEX	1	LOW	SLFR H2SO4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF009

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1411C56-001B	SBFT-9 (0-5)	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C56-002B	SBFT-9 (5-10)	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C56-003B	SBFT-10 (0-5)	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C56-004B	SBFT-10 (5-10)	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C56-005B	SBFT-11 (0-5)	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C56-006B	SBFT-11 (5-10)	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C56-007B	SBFT-11 (10-15)	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C56-008B	SBFT-11 (15-20)	Soil	SW8151	18-Nov-14	18-Nov-14	20-Nov-14	22-Nov-14	Shake/SEPF	1	LOW	
1411C56-009B	SBFT-11 (20-25)	Soil	SW8151	18-Nov-14	18-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	
1411C56-009Bms	SBFT-11 (20-25)MS	Soil	SW8151	18-Nov-14	18-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	
1411C56-009Bmsd	SBFT-11 (20-25)MSD	Soil	SW8151	18-Nov-14	18-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	
1411C56-010B	SBFT-12 (0-5)	Soil	SW8151	18-Nov-14	18-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	
1411C56-011B	SBFT-13 (0-5)	Soil	SW8151	18-Nov-14	18-Nov-14	24-Nov-14	26-Nov-14	Shake/SEPF	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG : GNF009

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	DateRecd at Lab	Date Analyzed
1411C56-001	SBFT-9 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C56-001DUP	SBFT-9 (0-5)D	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C56-001MS	SBFT-9 (0-5)S	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C56-002	SBFT-9 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C56-003	SBFT-10 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C56-004	SBFT-10 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C56-005	SBFT-11 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C56-006	SBFT-11 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C56-007	SBFT-11 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C56-008	SBFT-11 (15-20)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C56-009	SBFT-11 (20-25)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C56-010	SBFT-12 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14
1411C56-011	SBFT-13 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	18-Nov-14	11/14 - 12/14

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

III. CHAIN OF CUSTODY FORMS

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04993

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF008/009

PROJECT NAME/NUMBER
Garvies Point Rd/Glen Cove

SAMPLERS: (Signature)/Client
Gannett Fleming
100 Crossways Pk Dr. West
Woodbury, NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES:

Project Contact: Manfred Bohms

Phone Number: (516) 364-4140
mbohm@gfnet.com

PIS/Quote #

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	Gross/Pest/Herb/PCBs	Metals	Radiology	LAB I.D. NO.	REMARKS:
11/18/14	8:45	SL	SBFT-6 (0-5)	7	4	1	1	1	1411C55 -001	GNF008
	8:56		SBFT-6 (5-10)	7	4	1	1	1	-002	
	9:05		SBFT-6 (10-15)	7	4	1	1	1	-003	
	9:23		SBFT-7 (0-5)	7	4	1	1	1	-004	
	9:35		SBFT-7 (5-10)	7	4	1	1	1	-005	
	10:31		SBFT-8 (0-5)	7	4	1	1	1	-006	
	10:40		SBFT-8 (5-10)	7	4	1	1	1	-007	
	11:50		SBFT-9 (0-5)	7	4	1	1	1	1411C56 -001	GNF009
	12:00		SBFT-9 (5-10)	7	4	1	1	1	-002	
	12:14		SBFT-10 (0-5)	7	4	1	1	1	-003	

Sample Container Description: Terra Core/VOAs; 402 Jar; 202 Jar; 8 oz. Jar

ANALYSIS REQUESTED

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	11/18/14		[signature]	11/18/14	15:15
[signature]	11/18/14	17:00	[signature]	11-18-14	1700

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ____ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

T = 3.4°C

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF009 S17

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04981

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF009

PROJECT NAME/NUMBER
Barnes Point Rd/Glen Cove

SAMPLERS: (Signature)/Client
Gannett Fleming
100 Crossways Park Drv. West
Woodbury, NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES:

Project Contact: Manfred Bohms
Phone Number: (516)364-4140 mbohms@gfnet.com
PIS/Quote #

Sample Container Description: Tera Core/Vials; 4oz. Jar; 2oz. Jar; 8oz. Jar

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	Sweep Field Test Lab	Metals	Rad.	LAB I.D. NO.	REMARKS:
11/18/14	12:27	SL	SBFT-10 (5-10)	7	4	1	1	1	1411CS6 -004	
	12:40		SBFT-11 (0-5)	7	4	1	1	1	-005	
	12:51		SBFT-11 (5-10)	7	4	1	1	1	-006	
	13:02		SBFT-11 (10-15)	7	4	1	1	1	-007	
	13:09		SBFT-11 (15-20)	7	4	1	1	1	-008	
	13:18		SBFT-11 (20-25)	7	4	1	1	1	-009	
	13:35		SBFT-13 (0-5)	7	4	1	1	1	~~-010~~	011
	14:00		SBFT-12 (0-5)	7	4	1	1	1	~~-011~~	010
									MCW 11-18-14	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	11/18/14		[signature]	11/18/14	15:15
[signature]	11/18/14	17:00	[signature]	11-18-14	17:00

LABORATORY USE ONLY
Samples were:
1. Shipped ____ or Hand Delivered ____ Airbill # _____
COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

T = 4.2 °C

GNF009 S18

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

GNF009

Sample Receipt Checklist

Client Name **GNF**

Date and Time Received: **11/18/2014 5:00:00 PM**

Work Order Number: **1411C56** RcptNo: **1**

Received by: **MelissaWatson**

Completed by: M. Watson

Reviewed by: Jennifer Ar

Completed Date: 11/24/2014 12:55:29 PM

Reviewed Date: 11/24/2014 8:28:51 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	3.4 °
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF009 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

GNF009 S19

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-10D TURN AROUND TIME: 21 DAYS

SDG: GNF009 CASE#: MATRIX: Soil pH CHECK Y or N

REMARKS:

RECEIVED BY: MCW SIGNATURE: DATE: 11-18-14 TIME: 1700

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBFT-9 (0-5)	1411C56 001A	11-18-14	DIAA	3,1	8260_S_SOFF(SE-)
2. (5-10)	002				
3. SBFT-10 (0-5)	003				
4. (5-10)	004				
5. SBFT-11 (0-5)	005				
6. (5-10)	006				
7. (10-15)	007				
8. (15-20)	008				
9. (20-25)	009				
10. SBFT-12 (0-5)	010				
11. SBFT-13 (0-5)	011				
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MCW 11-21-14

CLIENT: GNF

SDG: GNF009

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
11-18-14	1700	[illegible]	[illegible]	D,AA	ANALYSIS	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-10D TURN AROUND TIME: 21 DAYS

SDG: GNF009 CASE#: _____ MATRIX: Soil pH CHECK Y or N

REMARKS: _____

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 11-18-14 TIME: 1700

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBFT-9 (0-5)	1411C56 001B	11-18-14	B	1	8081/8082-S(SEL), 8151S(SEL), 8270-S-TCL(SEL)
2. ↓ 5-10	002				
3. SBFT-10 (0-5)	003				
4. ↓ 5-10	004				
5. SBFT-11 (0-5)	005				
6. 5-10	006				
7. 10-15	007				
8. 15-20	008				
9. 20-25	009				
10. SBFT-12 (0-5)	010				
11. SBFT-13 (0-5)	011				
12.					
13.					
14.					
15.		MCW			
16.					
17.					
18.					
19.					
20.					

CLIENT: GNF

SDG: GNF009

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
11-18-14	17:00	[illegible]	[illegible]	B	PREP	
11/20/14	10:00	[illegible]	[illegible]	B	Prep	
11/20/14	11:15	[illegible]	[illegible]	B	Prep/Storage	
11/21/14	21:34	[illegible]	Melanie J Myers	All E 8151_S	Analysis	
11/24/14	19:24	[illegible]	Beth Crustin	All E 8270_S	Analysis	
11/25/14	18:30	[illegible]	[illegible]	All E 8152_S	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: B05-10D TURN AROUND TIME: 21 DAYS

SDG: GNF009 CASE#: _____ MATRIX: Soil pH CHECK Y or N

REMARKS: _____

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 11-18-14 TIME: 1700

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBFT-9 (0-5)	1411C56 001C	11-18-14	A	1	TCLMPKG-S, PM01ST MS/MSD
2. ↓ (5-10)	002				
3. SBFT-10 (0-5)	003				
4. ↓ (5-10)	004				
5. SBFT-11 (0-5)	005				
6. (5-10)	006				
7. (10-15)	007				
8. (15-20)	008				
9. (20-25)	009				
10. SBFT-12 (0-5)	010				
11. SBFT-13 (0-5)	011				
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MCW 11-20-14

CLIENT: GNF

SDG: GNF009

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
11-18-14	1700	[illegible]	[illegible]	A	DIG	
11-26-14	11:30	[illegible]	Hamawadi Thiri	DLCS	Analyses	

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

IV. ANALYTICAL FORM I'S:

A. VOLATILES
B. SEMIVOLATILES
C. PESTICIDES/PCBs
D. HERBICIDES
E. METALS

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

A. VOLATILES

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(300\ U)}{D} \text{ x df where } D = \frac{100\%moisture}{100}$$

and df - dilution factor

$$\text{For example, at 24\% moisture, } D = \frac{100-24}{100} = 0.76$$

$$\frac{(300\ U)}{.76} \text{ x 10 - 4300 U rounded to the appropriate number of significant figures}$$

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 µg/L and a concentration of 3 µg/L is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported of Form I with a "P".

C - This flag applies to pesticide results when the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory defined flag, discussed below.

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax. 631.420.8436

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identified compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration ranges in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g. a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceed 200 µg/L or the peak representing the two coeluting isomers on that GC column exceed 400 µg/L. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceed 400 µg/L.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - Other specific flags may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, used the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The laboratory defined flags limited to the letters "X", "Y" and "Z".

The combination of flags "BU' or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

Y Suspected secondary contamination.

X Analyte is suspected column bleed

Z Analyte had a %D greater then 20% in the daily CCV

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-9 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-001A

Sample wt/vol: 4.22 (g/mL) g Lab File ID: F68630.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 6.6 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	190	U
75-01-4	Vinyl chloride	13	U
75-35-4	1,1-Dichloroethene	13	U
67-64-1	Acetone	4	J
75-09-2	Methylene chloride	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-butyl ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon tetrachloride	13	U
71-43-2	Benzene	13	U
107-06-2	1,2-Dichloroethane	13	U
79-01-6	Trichloroethene	13	U
108-88-3	Toluene	13	U
127-18-4	Tetrachloroethene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	Xylene (total)	13	U
98-82-8	Isopropylbenzene	13	U
103-65-1	n-Propylbenzene	13	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	13	U
98-06-6	tert-Butylbenzene	13	U
95-63-6	1,2,4-Trimethylbenzene	13	U
135-98-8	sec-Butylbenzene	13	U
99-87-6	4-Isopropyltoluene	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
104-51-8	n-Butylbenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-9 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-002A

Sample wt/vol: 5.57 (g/mL) g Lab File ID: F68631.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 12 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	30	
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	6	J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-10 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-003A

Sample wt/vol: 5.71 (g/mL) g Lab File ID: F68632.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 6.6 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	9	U
75-09-2	Methylene chloride	9	U
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-10 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-004A

Sample wt/vol: 9.09 (g/mL) g Lab File ID: F68633.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 10 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	92	U
75-01-4	Vinyl chloride	6	U
75-35-4	1,1-Dichloroethene	6	U
67-64-1	Acetone	6	U
75-09-2	Methylene chloride	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
1634-04-4	Methyl tert-butyl ether	6	U
75-34-3	1,1-Dichloroethane	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
78-93-3	2-Butanone	6	U
67-66-3	Chloroform	6	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon tetrachloride	6	U
71-43-2	Benzene	6	U
107-06-2	1,2-Dichloroethane	6	U
79-01-6	Trichloroethene	6	U
108-88-3	Toluene	6	U
127-18-4	Tetrachloroethene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
1330-20-7	Xylene (total)	6	U
98-82-8	Isopropylbenzene	6	U
103-65-1	n-Propylbenzene	6	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	6	U
98-06-6	tert-Butylbenzene	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
99-87-6	4-Isopropyltoluene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
104-51-8	n-Butylbenzene	6	U
95-50-1	1,2-Dichlorobenzene	6	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-005A

Sample wt/vol: 5.72 (g/mL) g Lab File ID: F68634.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 7.9 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	9	U
75-09-2	Methylene chloride	9	U
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-006A

Sample wt/vol: 5.50 (g/mL) g Lab File ID: F68635.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 10 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-007A

Sample wt/vol: 5.33 (g/mL) g Lab File ID: F68636.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 14 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	11	U
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-008A

Sample wt/vol: 5.38 (g/mL) g Lab File ID: F68637.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 20 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	170	U
75-01-4	Vinyl chloride	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	12	U
75-09-2	Methylene chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-butyl ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
108-88-3	Toluene	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
98-82-8	Isopropylbenzene	12	U
103-65-1	n-Propylbenzene	12	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	12	U
98-06-6	tert-Butylbenzene	12	U
95-63-6	1,2,4-Trimethylbenzene	12	U
135-98-8	sec-Butylbenzene	12	U
99-87-6	4-Isopropyltoluene	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
104-51-8	n-Butylbenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-009A

Sample wt/vol: 5.36 (g/mL) g Lab File ID: F68638.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 20 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	170	U
75-01-4	Vinyl chloride	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	4	J
75-09-2	Methylene chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-butyl ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
108-88-3	Toluene	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
98-82-8	Isopropylbenzene	12	U
103-65-1	n-Propylbenzene	12	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	12	U
98-06-6	tert-Butylbenzene	12	U
95-63-6	1,2,4-Trimethylbenzene	12	U
135-98-8	sec-Butylbenzene	12	U
99-87-6	4-Isopropyltoluene	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
104-51-8	n-Butylbenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-12 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-010A

Sample wt/vol: 4.30 (g/mL) g Lab File ID: F68639.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 17 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	210	U
75-01-4	Vinyl chloride	14	U
75-35-4	1,1-Dichloroethene	14	U
67-64-1	Acetone	14	U
75-09-2	Methylene chloride	14	U
156-60-5	trans-1,2-Dichloroethene	14	U
1634-04-4	Methyl tert-butyl ether	14	U
75-34-3	1,1-Dichloroethane	14	U
156-59-2	cis-1,2-Dichloroethene	14	U
78-93-3	2-Butanone	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon tetrachloride	14	U
71-43-2	Benzene	14	U
107-06-2	1,2-Dichloroethane	14	U
79-01-6	Trichloroethene	14	U
108-88-3	Toluene	14	U
127-18-4	Tetrachloroethene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
1330-20-7	Xylene (total)	14	U
98-82-8	Isopropylbenzene	14	U
103-65-1	n-Propylbenzene	14	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	14	U
98-06-6	tert-Butylbenzene	14	U
95-63-6	1,2,4-Trimethylbenzene	14	U
135-98-8	sec-Butylbenzene	14	U
99-87-6	4-Isopropyltoluene	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
104-51-8	n-Butylbenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-13 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-011A

Sample wt/vol: 5.57 (g/mL) g Lab File ID: F68640.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: not dec. 9.7 Date Analyzed: 11/26/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

Pace Long Island

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B. SEMIVOLATILES

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-9 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-001B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: 4\N70052.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 6.6 Decanted: (Y/N) N Date Extracted: 11/20/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-9 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-002B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: 4\N70050.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 11/20/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	430	
120-12-7	Anthracene	97	J
206-44-0	Fluoranthene	490	
129-00-0	Pyrene	410	
56-55-3	Benzo(a)anthracene	200	J
218-01-9	Chrysene	190	J
205-99-2	Benzo(b)fluoranthene	170	J
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	150	J
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-10 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-003B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: 4\N70051.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 6.6 Decanted: (Y/N) N Date Extracted: 11/20/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-10 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-004B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: 4\N70060.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 11/20/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-005B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: 4\N70049.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 7.9 Decanted: (Y/N) N Date Extracted: 11/20/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-006B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: 4\N70061.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 11/20/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-007B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: 4\N70062.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 11/20/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-008B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: 4\N70063.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 11/20/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
132-64-9	Dibenzofuran	410	U
86-73-7	Fluorene	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	300	U
191-24-2	Benzo(g,h,i)perylene	410	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-009B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: 4\N70064.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 11/20/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
132-64-9	Dibenzofuran	410	U
86-73-7	Fluorene	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	300	U
191-24-2	Benzo(g,h,i)perylene	410	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-12 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-010B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: 4\N70053.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 11/20/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	140	J
129-00-0	Pyrene	130	J
56-55-3	Benzo(a)anthracene	93	J
218-01-9	Chrysene	95	J
205-99-2	Benzo(b)fluoranthene	150	J
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	87	J
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-13 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-011B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: 4\N70054.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 9.7 Decanted: (Y/N) N Date Extracted: 11/20/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	150	J
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	280	J
129-00-0	Pyrene	310	J
56-55-3	Benzo(a)anthracene	140	J
218-01-9	Chrysene	160	J
205-99-2	Benzo(b)fluoranthene	230	J
207-08-9	Benzo(k)fluoranthene	92	J
50-32-8	Benzo(a)pyrene	160	J
193-39-5	Indeno(1,2,3-cd)pyrene	93	J
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	100	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-13 (0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-011B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: 4\N70079.D

Level: (low/med) LOW Date Received: 11/18/14

% Moisture: 9.7 Decanted: (Y/N) N Date Extracted: 11/20/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	150	J
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	240	J
129-00-0	Pyrene	350	J
56-55-3	Benzo(a)anthracene	140	J
218-01-9	Chrysene	160	J
205-99-2	Benzo(b)fluoranthene	240	J
207-08-9	Benzo(k)fluoranthene	88	J
50-32-8	Benzo(a)pyrene	160	J
193-39-5	Indeno(1,2,3-cd)pyrene	79	J
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	110	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-47268

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: MB-47268

Sample wt/vol: 15.08 (g/mL) g Lab File ID: 4\N70047.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 11/20/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
132-64-9	Dibenzofuran	330	U
86-73-7	Fluorene	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	240	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

C. PESTICIDES/PCBS

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-9 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411c56-001b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00633.raw

% Moisture: 6.6 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4´-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4´-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4´-DDT	3.5	U
5103-71-9	alpha-Chlordane	1.6	PJ

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-9 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-001B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00443.raw

% Moisture: 6.6 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	72	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	35	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-9 (5-10)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-002B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00755.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-9 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-002B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00444.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-10 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411c56-003b

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00634.raw

% Moisture: 6.6 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4´-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4´-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4´-DDT	3.5	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-10 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-003B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00445.raw

% Moisture: 6.6 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	71	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	35	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-10 (5-10)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411c56-004b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00656.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-10 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-004B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00446.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411c56-005b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00632.raw

% Moisture: 7.9 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.7	PJ

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-005B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00447.raw

% Moisture: 7.9 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411c56-006b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00509.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-006B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00448.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411c56-007b

Sample wt/vol: 18.02 (g/mL) g Lab File ID: a00510.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.2	U
72-55-9	4,4´-DDE	3.2	U
72-20-8	Endrin	3.2	U
33213-65-9	Endosulfan II	3.2	U
72-54-8	4,4´-DDD	3.2	U
1031-07-8	Endosulfan sulfate	3.2	U
50-29-3	4,4´-DDT	3.2	U
5103-71-9	alpha-Chlordane	1.7	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-007B

Sample wt/vol: 18.02 (g/mL) g Lab File ID: a00449.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	32	U
11104-28-2	Aroclor 1221	65	U
11141-16-5	Aroclor 1232	32	U
53469-21-9	Aroclor 1242	32	U
12672-29-6	Aroclor 1248	32	U
11097-69-1	Aroclor 1254	32	U
11096-82-5	Aroclor 1260	32	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411c56-008b

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00511.raw

% Moisture: 20 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4´-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4´-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4´-DDT	4.1	U
5103-71-9	alpha-Chlordane	2.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (15-20)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-008B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00450.raw

% Moisture: 20 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	41	U
11104-28-2	Aroclor 1221	83	U
11141-16-5	Aroclor 1232	41	U
53469-21-9	Aroclor 1242	41	U
12672-29-6	Aroclor 1248	41	U
11097-69-1	Aroclor 1254	41	U
11096-82-5	Aroclor 1260	41	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411c56-009b

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00512.raw

% Moisture: 20 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4´-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4´-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4´-DDT	4.1	U
5103-71-9	alpha-Chlordane	2.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (20-25)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-009B

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00451.raw

% Moisture: 20 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	41	U
11104-28-2	Aroclor 1221	83	U
11141-16-5	Aroclor 1232	41	U
53469-21-9	Aroclor 1242	41	U
12672-29-6	Aroclor 1248	41	U
11097-69-1	Aroclor 1254	41	U
11096-82-5	Aroclor 1260	41	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-12 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411c56-010b

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00636.raw

% Moisture: 17 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	4.8	
72-55-9	4,4´-DDE	58	
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	18	P
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	41	P
5103-71-9	alpha-Chlordane	5.4	P

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-12 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-010B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00452.raw

% Moisture: 17 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	39	U
11104-28-2	Aroclor 1221	80	U
11141-16-5	Aroclor 1232	39	U
53469-21-9	Aroclor 1242	39	U
12672-29-6	Aroclor 1248	39	U
11097-69-1	Aroclor 1254	100	P
11096-82-5	Aroclor 1260	54	

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-13 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-011B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00644.raw

% Moisture: 9.7 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	2.7	P

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-13 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-011B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00453.raw

% Moisture: 9.7 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) PFEX Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

Pace Long Island

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D. HERBICIDES

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-9 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-001B

Sample wt/vol: 25.06 (g/mL) g Lab File ID: A00436.raw

% Moisture: 6.6 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.3	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-9 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-002B

Sample wt/vol: 25.14 (g/mL) g Lab File ID: A00437.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-10 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-003B

Sample wt/vol: 25.01 (g/mL) g Lab File ID: A00438.raw

% Moisture: 6.6 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.4	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-10 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-004B

Sample wt/vol: 25.03 (g/mL) g Lab File ID: A00439.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.5	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-005B

Sample wt/vol: 25.06 (g/mL) g Lab File ID: A00440.raw

% Moisture: 7.9 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.4	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-006B

Sample wt/vol: 25.14 (g/mL) g Lab File ID: A00441.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.5	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-007B

Sample wt/vol: 25.11 (g/mL) g Lab File ID: A00442.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.8	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-008B

Sample wt/vol: 25.14 (g/mL) g Lab File ID: A00435.raw

% Moisture: 20 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/20/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/22/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.2	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-11 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-009B

Sample wt/vol: 25.13 (g/mL) g Lab File ID: A00503.raw

% Moisture: 20 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.2	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-12 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-010B

Sample wt/vol: 25.16 (g/mL) g Lab File ID: A00506.raw

% Moisture: 17 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.0	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBFT-13 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF009

Matrix: (soil/water) SOIL Lab Sample ID: 1411C56-011B

Sample wt/vol: 25.09 (g/mL) g Lab File ID: A00507.raw

% Moisture: 9.7 Decanted: (Y/N) N Date Received: 11/18/14

Extraction: (Type) Shake/SEPF Date Extracted: 11/24/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.5	U

FORM I HERB

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

SDG # GNF009

SCAN 8151.S

This data package was reported by the undersigned. This reporting includes data calculations, manual edits, if necessary, and compilation of raw data. The information presented is true and correct to the best of my knowledge.

Signature: [signature]

Date: 12/5/14

Pace Long Island

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Melville, NY 11747

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fax. 631.420.8436

E. METALS

Pace Long Island

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Melville, NY 11747

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fax. 631.420.8436

QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

E - Serial dilution is not within acceptance criteria or the reported value is estimated because of the presence of interference. An explanatory note is included in the SDG narrative.

N - Matrix spike sample recovery not within control limits.

* - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).

U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

P - Analyzed by ICP.
MS - Analyzed by ICP-MS
CV - Analyzed by Manual Cold Vapor techniques.
AV - Analyzed by Automated Cold Vapor techniques.
C - Analyzed by Manual Spectrophotometric Method.
CA- Analyzed by Midi-distillation Spectrophotometric Method.
NR - Analyte not Required.

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-9 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF009

Matrix (soil/water): SOIL Lab Sample ID: 1411C56-001

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 93.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2040		E	P
7440-36-0	Antimony	0.20	B		P
7440-38-2	Arsenic	0.93	B		P
7440-39-3	Barium	10.3	B	E	P
7440-41-7	Beryllium	0.075	B		P
7440-43-9	Cadmium	0.13	B		P
7440-70-2	Calcium	573			P
7440-47-3	Chromium	5.3		*E	P
7440-48-4	Cobalt	1.6	B		P
7440-50-8	Copper	3.8			P
7439-89-6	Iron	3420			P
7439-92-1	Lead	5.1		N	P
7439-95-4	Magnesium	554		E	P
7439-96-5	Manganese	63.0		N	P
7439-97-6	Mercury	0.027	B		CV
7440-02-0	Nickel	2.8	B	E	P
7440-09-7	Potassium	270	B		P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.22	B	N	P
7440-23-5	Sodium	17.5	B		P
7440-28-0	Thallium	0.98	U	N	P
7440-62-2	Vanadium	5.4		E	P
7440-66-6	Zinc	11.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/04/14

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-9 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF009

Matrix (soil/water): SOIL Lab Sample ID: 1411C56-002

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 88.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3030		E	P
7440-36-0	Antimony	0.51	B		P
7440-38-2	Arsenic	2.1			P
7440-39-3	Barium	52.2		E	P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	0.26	B		P
7440-70-2	Calcium	746			P
7440-47-3	Chromium	12.1		*E	P
7440-48-4	Cobalt	3.0	B		P
7440-50-8	Copper	8.9			P
7439-89-6	Iron	6780			P
7439-92-1	Lead	34.2		N	P
7439-95-4	Magnesium	1130		E	P
7439-96-5	Manganese	59.9		N	P
7439-97-6	Mercury	0.034	B		CV
7440-02-0	Nickel	4.4	B	E	P
7440-09-7	Potassium	783			P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.54	B	N	P
7440-23-5	Sodium	114	B		P
7440-28-0	Thallium	1.0	U	N	P
7440-62-2	Vanadium	10.7		E	P
7440-66-6	Zinc	55.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/04/14

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-10 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF009

Matrix (soil/water): SOIL Lab Sample ID: 1411C56-003

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 93.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1550		E	P
7440-36-0	Antimony	0.37	B		P
7440-38-2	Arsenic	0.97	B		P
7440-39-3	Barium	8.6	B	E	P
7440-41-7	Beryllium	0.063	B		P
7440-43-9	Cadmium	0.095	B		P
7440-70-2	Calcium	328	B		P
7440-47-3	Chromium	4.8		*E	P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	3.1			P
7439-89-6	Iron	2910			P
7439-92-1	Lead	4.0		N	P
7439-95-4	Magnesium	383	B	E	P
7439-96-5	Manganese	52.2		N	P
7439-97-6	Mercury	0.022	B		CV
7440-02-0	Nickel	1.9	B	E	P
7440-09-7	Potassium	212	B		P
7782-49-2	Selenium	0.25	U		P
7440-22-4	Silver	0.18	B	N	P
7440-23-5	Sodium	19.9	B		P
7440-28-0	Thallium	0.97	U	N	P
7440-62-2	Vanadium	5.0	B	E	P
7440-66-6	Zinc	9.6			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/04/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-10 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF009

Matrix (soil/water): SOIL Lab Sample ID: 1411C56-004

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 90.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1880		E	P
7440-36-0	Antimony	0.24	B		P
7440-38-2	Arsenic	0.49	B		P
7440-39-3	Barium	12.4	B	E	P
7440-41-7	Beryllium	0.089	B		P
7440-43-9	Cadmium	0.10	B		P
7440-70-2	Calcium	299	B		P
7440-47-3	Chromium	6.5		*E	P
7440-48-4	Cobalt	0.98	B		P
7440-50-8	Copper	2.7	B		P
7439-89-6	Iron	1960			P
7439-92-1	Lead	6.0		N	P
7439-95-4	Magnesium	550	B	E	P
7439-96-5	Manganese	18.2		N	P
7439-97-6	Mercury	0.022	B		CV
7440-02-0	Nickel	2.2	B	E	P
7440-09-7	Potassium	347	B		P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.16	B	N	P
7440-23-5	Sodium	73.5	B		P
7440-28-0	Thallium	1.0	U	N	P
7440-62-2	Vanadium	5.3	B	E	P
7440-66-6	Zinc	8.7			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/04/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-11 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF009

Matrix (soil/water): SOIL Lab Sample ID: 1411C56-005

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 92.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4810		E	P
7440-36-0	Antimony	0.32	B		P
7440-38-2	Arsenic	1.7			P
7440-39-3	Barium	32.7		E	P
7440-41-7	Beryllium	0.18	B		P
7440-43-9	Cadmium	0.27	B		P
7440-70-2	Calcium	2680			P
7440-47-3	Chromium	11.2		*E	P
7440-48-4	Cobalt	3.2	B		P
7440-50-8	Copper	11.6			P
7439-89-6	Iron	7320			P
7439-92-1	Lead	34.4		N	P
7439-95-4	Magnesium	1500		E	P
7439-96-5	Manganese	121		N	P
7439-97-6	Mercury	0.064			CV
7440-02-0	Nickel	6.7		E	P
7440-09-7	Potassium	533	B		P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.45	B	N	P
7440-23-5	Sodium	65.8	B		P
7440-28-0	Thallium	1.3		N	P
7440-62-2	Vanadium	12.8		E	P
7440-66-6	Zinc	36.2			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/04/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-11 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF009

Matrix (soil/water): SOIL Lab Sample ID: 1411C56-006

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 89.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2870		E	P
7440-36-0	Antimony	0.97	B		P
7440-38-2	Arsenic	13.0			P
7440-39-3	Barium	54.1		E	P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	0.70			P
7440-70-2	Calcium	632			P
7440-47-3	Chromium	48.2		*E	P
7440-48-4	Cobalt	1.6	B		P
7440-50-8	Copper	89.8			P
7439-89-6	Iron	26500			P
7439-92-1	Lead	14.5		N	P
7439-95-4	Magnesium	582		E	P
7439-96-5	Manganese	42.3		N	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	9.4		E	P
7440-09-7	Potassium	603			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	1.8		N	P
7440-23-5	Sodium	50.1	B		P
7440-28-0	Thallium	1.0	U	N	P
7440-62-2	Vanadium	31.1		E	P
7440-66-6	Zinc	75.2			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/04/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-11 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF009

Matrix (soil/water): SOIL Lab Sample ID: 1411C56-007

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 85.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6510		E	P
7440-36-0	Antimony	0.63	B		P
7440-38-2	Arsenic	2.4			P
7440-39-3	Barium	11.6	B	E	P
7440-41-7	Beryllium	0.42	B		P
7440-43-9	Cadmium	0.37	B		P
7440-70-2	Calcium	310	B		P
7440-47-3	Chromium	14.7		*E	P
7440-48-4	Cobalt	6.4			P
7440-50-8	Copper	13.0			P
7439-89-6	Iron	13900			P
7439-92-1	Lead	3.3		N	P
7439-95-4	Magnesium	509	B	E	P
7439-96-5	Manganese	141		N	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	9.5		E	P
7440-09-7	Potassium	655			P
7782-49-2	Selenium	0.28	U		P
7440-22-4	Silver	0.90	B	N	P
7440-23-5	Sodium	59.6	B		P
7440-28-0	Thallium	1.1	U	N	P
7440-62-2	Vanadium	14.8		E	P
7440-66-6	Zinc	18.7			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 12/04/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-11 (15-20)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF009

Matrix (soil/water): SOIL Lab Sample ID: 1411C56-008

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 80.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6630		E	P
7440-36-0	Antimony	0.50	B		P
7440-38-2	Arsenic	2.6			P
7440-39-3	Barium	35.9		E	P
7440-41-7	Beryllium	0.62			P
7440-43-9	Cadmium	0.39	B		P
7440-70-2	Calcium	491	B		P
7440-47-3	Chromium	15.4		*E	P
7440-48-4	Cobalt	15.5			P
7440-50-8	Copper	17.8			P
7439-89-6	Iron	12700			P
7439-92-1	Lead	8.9		N	P
7439-95-4	Magnesium	896		E	P
7439-96-5	Manganese	198		N	P
7439-97-6	Mercury	0.020	U		CV
7440-02-0	Nickel	13.8		E	P
7440-09-7	Potassium	1090			P
7782-49-2	Selenium	0.29	U		P
7440-22-4	Silver	0.74	B	N	P
7440-23-5	Sodium	70.5	B		P
7440-28-0	Thallium	1.5		N	P
7440-62-2	Vanadium	24.9		E	P
7440-66-6	Zinc	42.0			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/04/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-11 (20-25)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF009

Matrix (soil/water): SOIL Lab Sample ID: 1411C56-009

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 80.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6200		E	P
7440-36-0	Antimony	0.43	B		P
7440-38-2	Arsenic	2.6			P
7440-39-3	Barium	19.0	B	E	P
7440-41-7	Beryllium	0.60	B		P
7440-43-9	Cadmium	0.36	B		P
7440-70-2	Calcium	333	B		P
7440-47-3	Chromium	15.6		*E	P
7440-48-4	Cobalt	5.2	B		P
7440-50-8	Copper	16.6			P
7439-89-6	Iron	12200			P
7439-92-1	Lead	6.8		N	P
7439-95-4	Magnesium	847		E	P
7439-96-5	Manganese	60.7		N	P
7439-97-6	Mercury	0.026	B		CV
7440-02-0	Nickel	13.7		E	P
7440-09-7	Potassium	957			P
7782-49-2	Selenium	0.29	U		P
7440-22-4	Silver	0.71	B	N	P
7440-23-5	Sodium	44.9	B		P
7440-28-0	Thallium	1.1	U	N	P
7440-62-2	Vanadium	23.9		E	P
7440-66-6	Zinc	42.4			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 12/04/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-12 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF009

Matrix (soil/water): SOIL Lab Sample ID: 1411C56-010

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 83.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7510		E	P
7440-36-0	Antimony	53.1			P
7440-38-2	Arsenic	82.8			P
7440-39-3	Barium	35.1		E	P
7440-41-7	Beryllium	0.32	B		P
7440-43-9	Cadmium	1.4			P
7440-70-2	Calcium	2310			P
7440-47-3	Chromium	17.4		*E	P
7440-48-4	Cobalt	7.3			P
7440-50-8	Copper	51.6			P
7439-89-6	Iron	12000			P
7439-92-1	Lead	65.5		N	P
7439-95-4	Magnesium	1130		E	P
7439-96-5	Manganese	128		N	P
7439-97-6	Mercury	0.27			CV
7440-02-0	Nickel	11.0		E	P
7440-09-7	Potassium	501	B		P
7782-49-2	Selenium	1.0			P
7440-22-4	Silver	2.1		N	P
7440-23-5	Sodium	187	B		P
7440-28-0	Thallium	1.1	U	N	P
7440-62-2	Vanadium	16.3		E	P
7440-66-6	Zinc	107			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/04/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBFT-13 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF009

Matrix (soil/water): SOIL Lab Sample ID: 1411C56-011

Level (low/med): LOW Date Received: 11/18/2014

% Solids: 90.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3690		E	P
7440-36-0	Antimony	0.69	B		P
7440-38-2	Arsenic	2.1			P
7440-39-3	Barium	13.9	B	E	P
7440-41-7	Beryllium	0.16	B		P
7440-43-9	Cadmium	0.25	B		P
7440-70-2	Calcium	1960			P
7440-47-3	Chromium	10.4		*E	P
7440-48-4	Cobalt	2.2	B		P
7440-50-8	Copper	10.9			P
7439-89-6	Iron	8110			P
7439-92-1	Lead	10.6		N	P
7439-95-4	Magnesium	690		E	P
7439-96-5	Manganese	59.4		N	P
7439-97-6	Mercury	0.024	B		CV
7440-02-0	Nickel	3.6	B	E	P
7440-09-7	Potassium	377	B		P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.61	B	N	P
7440-23-5	Sodium	72.3	B		P
7440-28-0	Thallium	1.0	U	N	P
7440-62-2	Vanadium	12.4		E	P
7440-66-6	Zinc	59.8			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 12/04/14

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

December 31, 2014

Ms. Jennifer Aracri
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747

RE: Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

Dear Ms. Aracri:
Enclosed are the analytical results for sample(s) received by the laboratory on November 22, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

This report has been reissued on December 31, 2014. Samples IDs were changed to the client sample ID as per sample request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
Project Manager

Enclosures

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Greensburg, PA 15601
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CERTIFICATIONS

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

Pennsylvania Certification IDs
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ACLASS DOD-ELAP Accreditation #: ADE-1544
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/TNI Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana DHH/TNI Certification #: LA140008
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: PA00091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188
Utah/TNI Certification #: PA014572014-4
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q

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SAMPLE SUMMARY

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30135048001	**SBFT-1 (0.5)**	Solid	11/17/14 10:30	11/22/14 11:15
30135049002	**SBFT-1 (5-10)**	Solid	11/17/14 10:45	11/22/14 11:15
30135049003	**SBFT-1 (10-15)**	Solid	11/17/14 10:55	11/22/14 11:15
30135049004	**SBFT-2 (0.5)**	Solid	11/17/14 11:20	11/22/14 11:15
30135049005	**SBFT-2 (5-10)**	Solid	11/17/14 11:29	11/22/14 11:15
30135049006	**SBFT-2 (10-15)**	Solid	11/17/14 11:38	11/22/14 11:15
30135049007	**SBFT-3 (0-5)**	Solid	11/17/14 12:00	11/22/14 11:15
30135049008	**SBFT-3 (5-10)**	Solid	11/17/14 12:11	11/22/14 11:15
30135049009	**SBFT-4 (0-5)**	Solid	11/17/14 12:35	11/22/14 11:15
30135049010	**SBFT-5 (0-5)**	Solid	11/17/14 13:03	11/22/14 11:15
30135049011	**SBFT-5 (5-10)**	Solid	11/17/14 13:10	11/22/14 11:15
30135049012	**SBFT-5 (10-15)**	Solid	11/17/14 13:17	11/22/14 11:15
30135049013	**SBFT-5 (15-20)**	Solid	11/17/14 13:25	11/22/14 11:15

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SAMPLE ANALYTE COUNT

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30135048001	**SBFT-1 (0.5)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135049002	**SBFT-1 (5-10)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135049003	**SBFT-1 (10-15)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135049004	**SBFT-2 (0.5)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135049005	**SBFT-2 (5-10)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135049006	**SBFT-2 (10-15)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135049007	**SBFT-3 (0-5)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135049008	**SBFT-3 (5-10)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135049009	**SBFT-4 (0-5)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135049010	**SBFT-5 (0-5)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135049011	**SBFT-5 (5-10)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135049012	**SBFT-5 (10-15)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135049013	**SBFT-5 (15-20)**	EPA 901.1	MAH	14
		HSL-300	LAL	6

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

Sample: SBFT-1 (0.5) **Lab ID: 30135048001** Collected: 11/17/14 10:30 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.689 ± 0.241 (0.441)** **C:NA T:NA**	pCi/g	12/22/14 10:34	14331-83-0	
Bismuth-212	EPA 901.1	**1.138 ± 0.977 (1.483)** **C:NA T:NA**	pCi/g	12/22/14 10:34	14913-49-6	
Bismuth-214	EPA 901.1	**0.761 ± 0.217 (0.147)**	pCi/g	12/22/14 10:34	14733-03-0	
Lead-210	EPA 901.1	**0.555 ± 1.391 (2.440)** **C:NA T:NA**	pCi/g	12/22/14 10:34	14255-04-0	
Lead-212	EPA 901.1	**0.755 ± 0.183 (0.150)** **C:NA T:NA**	pCi/g	12/22/14 10:34	15092-94-1	
Lead-214	EPA 901.1	**0.812 ± 0.216 (0.140)**	pCi/g	12/22/14 10:34	15067-28-4	
Potassium-40	EPA 901.1	**11.145 ± 2.484 (0.997)** **C:NA T:NA**	pCi/g	12/22/14 10:34	13966-00-2	
Protactinium-231	EPA 901.1	**0.000 ± 0.008 (2.914)** **C:NA T:NA**	pCi/g	12/22/14 10:34	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.683 ± 27.309 (20.180)** **C:NA T:NA**	pCi/g	12/22/14 10:34	15100-28-4	
Radium-226	EPA 901.1	**0.808 ± 0.214 (0.147)** **C:NA T:NA**	pCi/g	12/22/14 10:34	13982-63-3	
Radium-228	EPA 901.1	**0.689 ± 0.241 (0.441)** **C:NA T:NA**	pCi/g	12/22/14 10:34	15262-20-1	
Thallium-208	EPA 901.1	**0.222 ± 0.102 (0.122)** **C:NA T:NA**	pCi/g	12/22/14 10:34	14913-50-9	
Thorium-234	EPA 901.1	**1.514 ± 0.940 (1.447)** **C:NA T:NA**	pCi/g	12/22/14 10:34	15065-10-8	
Uranium-235	EPA 901.1	**0.189 ± 0.078 (0.083)** **C:NA T:NA**	pCi/g	12/22/14 10:34	15117-96-1	
Thorium-228	HSL-300	**0.740 ± 0.153 (0.079)** **C:NA T:49%**	pCi/g	12/15/14 14:57	14274-82-9	N2
Thorium-230	HSL-300	**0.607 ± 0.125 (0.034)** **C:NA T:49%**	pCi/g	12/15/14 14:57	14269-63-7	N2
Thorium-232	HSL-300	**0.684 ± 0.136 (0.007)** **C:NA T:49%**	pCi/g	12/15/14 14:57	7440-29-1	N2
U-233/234	HSL-300	**0.470 ± 0.092 (0.036)** **C:NA T:103%**	pCi/g	12/16/14 15:00		N2
U-235/236	HSL-300	**0.030 ± 0.022 (0.029)** **C:NA T:103%**	pCi/g	12/16/14 15:00		N2
Uranium-238	HSL-300	**0.502 ± 0.095 (0.019)** **C:NA T:103%**	pCi/g	12/16/14 15:00		N2

Sample: SBFT-1 (5-10) **Lab ID: 30135049002** Collected: 11/17/14 10:45 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.612 ± 0.273 (0.466)** **C:NA T:NA**	pCi/g	12/22/14 10:49	14331-83-0	
Bismuth-212	EPA 901.1	**0.677 ± 1.258 (2.235)** **C:NA T:NA**	pCi/g	12/22/14 10:49	14913-49-6	
Bismuth-214	EPA 901.1	**0.562 ± 0.203 (0.162)**	pCi/g	12/22/14 10:49	14733-03-0	
Lead-210	EPA 901.1	**0.468 ± 1.661 (3.017)** **C:NA T:NA**	pCi/g	12/22/14 10:49	14255-04-0	
Lead-212	EPA 901.1	**0.828 ± 0.219 (0.142)** **C:NA T:NA**	pCi/g	12/22/14 10:49	15092-94-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

Sample: SBFT-1 (5-10) **Lab ID: 30135049002** Collected: 11/17/14 10:45 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Lead-214	EPA 901.1	**0.662 ± 0.203 (0.131)**	pCi/g	12/22/14 10:49	15067-28-4	
Potassium-40	EPA 901.1	**5.393 ± 1.923 (1.697)** **C:NA T:NA**	pCi/g	12/22/14 10:49	13966-00-2	
Protactinium-231	EPA 901.1	**-0.045 ± 1.871 (3.650)** **C:NA T:NA**	pCi/g	12/22/14 10:49	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.993 ± 39.708 (22.050)** **C:NA T:NA**	pCi/g	12/22/14 10:49	15100-28-4	
Radium-226	EPA 901.1	**0.618 ± 0.189 (0.162)** **C:NA T:NA**	pCi/g	12/22/14 10:49	13982-63-3	
Radium-228	EPA 901.1	**0.612 ± 0.273 (0.466)** **C:NA T:NA**	pCi/g	12/22/14 10:49	15262-20-1	
Thallium-208	EPA 901.1	**0.109 ± 0.124 (0.176)** **C:NA T:NA**	pCi/g	12/22/14 10:49	14913-50-9	
Thorium-234	EPA 901.1	**0.660 ± 0.933 (1.803)** **C:NA T:NA**	pCi/g	12/22/14 10:49	15065-10-8	
Uranium-235	EPA 901.1	**0.054 ± 0.077 (0.141)** **C:NA T:NA**	pCi/g	12/22/14 10:49	15117-96-1	
Thorium-228	HSL-300	**0.560 ± 0.115 (0.051)** **C:NA T:64%**	pCi/g	12/15/14 14:57	14274-82-9	N2
Thorium-230	HSL-300	**0.386 ± 0.082 (0.016)** **C:NA T:64%**	pCi/g	12/15/14 14:57	14269-63-7	N2
Thorium-232	HSL-300	**0.477 ± 0.097 (0.005)** **C:NA T:64%**	pCi/g	12/15/14 14:57	7440-29-1	N2
U-233/234	HSL-300	**0.395 ± 0.081 (0.030)** **C:NA T:105%**	pCi/g	12/16/14 15:01		N2
U-235/236	HSL-300	**0.022 ± 0.017 (0.020)** **C:NA T:105%**	pCi/g	12/16/14 15:01		N2
Uranium-238	HSL-300	**0.361 ± 0.075 (0.020)** **C:NA T:105%**	pCi/g	12/16/14 15:01		N2

Sample: SBFT-1 (10-15) **Lab ID: 30135049003** Collected: 11/17/14 10:55 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.396 ± 0.302 (0.420)** **C:NA T:NA**	pCi/g	12/23/14 12:01	14331-83-0	
Bismuth-212	EPA 901.1	**0.317 ± 0.801 (1.553)** **C:NA T:NA**	pCi/g	12/23/14 12:01	14913-49-6	
Bismuth-214	EPA 901.1	**0.155 ± 0.146 (0.236)**	pCi/g	12/23/14 12:01	14733-03-0	
Lead-210	EPA 901.1	**0.736 ± 1.631 (2.875)** **C:NA T:NA**	pCi/g	12/23/14 12:01	14255-04-0	
Lead-212	EPA 901.1	**0.270 ± 0.137 (0.197)** **C:NA T:NA**	pCi/g	12/23/14 12:01	15092-94-1	
Lead-214	EPA 901.1	**0.260 ± 0.119 (0.121)**	pCi/g	12/23/14 12:01	15067-28-4	
Potassium-40	EPA 901.1	**9.887 ± 2.554 (1.334)** **C:NA T:NA**	pCi/g	12/23/14 12:01	13966-00-2	
Protactinium-231	EPA 901.1	**0.792 ± 2.353 (4.205)** **C:NA T:NA**	pCi/g	12/23/14 12:01	14331-85-2	
Protactinium-234M	EPA 901.1	**2.629 ± 7.435 (14.360)** **C:NA T:NA**	pCi/g	12/23/14 12:01	15100-28-4	
Radium-226	EPA 901.1	**0.187 ± 0.109 (0.236)** **C:NA T:NA**	pCi/g	12/23/14 12:01	13982-63-3	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

Sample: SBFT-1 (10-15) **Lab ID: 30135049003** Collected: 11/17/14 10:55 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radium-228	EPA 901.1	**0.396 ± 0.302 (0.420) C:NA T:NA**	pCi/g	12/23/14 12:01	15262-20-1	
Thallium-208	EPA 901.1	**0.163 ± 0.089 (0.092) C:NA T:NA**	pCi/g	12/23/14 12:01	14913-50-9	
Thorium-234	EPA 901.1	**3.074 ± 1.240 (1.261) C:NA T:NA**	pCi/g	12/23/14 12:01	15065-10-8	
Uranium-235	EPA 901.1	**0.097 ± 0.057 (0.080) C:NA T:NA**	pCi/g	12/23/14 12:01	15117-96-1	
Thorium-228	HSL-300	**0.258 ± 0.068 (0.052) C:NA T:70%**	pCi/g	12/15/14 14:57	14274-82-9	N2
Thorium-230	HSL-300	**0.323 ± 0.072 (0.024) C:NA T:70%**	pCi/g	12/15/14 14:57	14269-63-7	N2
Thorium-232	HSL-300	**0.240 ± 0.057 (0.005) C:NA T:70%**	pCi/g	12/15/14 14:57	7440-29-1	N2
U-233/234	HSL-300	**1.07 ± 0.180 (0.041) C:NA T:101%**	pCi/g	12/16/14 15:01		N2
U-235/236	HSL-300	**0.062 ± 0.036 (0.047) C:NA T:101%**	pCi/g	12/16/14 15:01		N2
Uranium-238	HSL-300	**0.940 ± 0.161 (0.032) C:NA T:101%**	pCi/g	12/16/14 15:01		N2

Sample: SBFT-2 (0.5) **Lab ID: 30135049004** Collected: 11/17/14 11:20 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**1.336 ± 0.368 (0.320) C:NA T:NA**	pCi/g	12/23/14 12:25	14331-83-0	
Bismuth-212	EPA 901.1	**-0.206 ± 5.465 (2.104) C:NA T:NA**	pCi/g	12/23/14 12:25	14913-49-6	
Bismuth-214	EPA 901.1	**1.211 ± 0.331 (0.217)**	pCi/g	12/23/14 12:25	14733-03-0	
Lead-210	EPA 901.1	**-0.348 ± 12.097 (4.482) C:NA T:NA**	pCi/g	12/23/14 12:25	14255-04-0	
Lead-212	EPA 901.1	**1.023 ± 0.231 (0.173) C:NA T:NA**	pCi/g	12/23/14 12:25	15092-94-1	
Lead-214	EPA 901.1	**1.219 ± 0.293 (0.188)**	pCi/g	12/23/14 12:25	15067-28-4	
Potassium-40	EPA 901.1	**11.338 ± 2.605 (1.110) C:NA T:NA**	pCi/g	12/23/14 12:25	13966-00-2	
Protactinium-231	EPA 901.1	**0.039 ± 2.340 (4.324) C:NA T:NA**	pCi/g	12/23/14 12:25	14331-85-2	
Protactinium-234M	EPA 901.1	**3.057 ± 8.772 (16.110) C:NA T:NA**	pCi/g	12/23/14 12:25	15100-28-4	
Radium-226	EPA 901.1	**1.230 ± 0.257 (0.217) C:NA T:NA**	pCi/g	12/23/14 12:25	13982-63-3	
Radium-228	EPA 901.1	**1.336 ± 0.368 (0.320) C:NA T:NA**	pCi/g	12/23/14 12:25	15262-20-1	
Thallium-208	EPA 901.1	**0.470 ± 0.140 (0.090) C:NA T:NA**	pCi/g	12/23/14 12:25	14913-50-9	
Thorium-234	EPA 901.1	**2.771 ± 1.242 (1.619) C:NA T:NA**	pCi/g	12/23/14 12:25	15065-10-8	
Uranium-235	EPA 901.1	**0.109 ± 0.077 (0.120) C:NA T:NA**	pCi/g	12/23/14 12:25	15117-96-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

Sample: SBFT-2 (0.5) **Lab ID: 30135049004** Collected: 11/17/14 11:20 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Thorium-228	HSL-300	**1.03 ± 0.191 (0.062) C:NA T:56%**	pCi/g	12/15/14 14:57	14274-82-9	N2
Thorium-230	HSL-300	**1.11 ± 0.200 (0.016) C:NA T:56%**	pCi/g	12/15/14 14:57	14269-63-7	N2
Thorium-232	HSL-300	**0.964 ± 0.176 (0.016) C:NA T:56%**	pCi/g	12/15/14 14:57	7440-29-1	N2
U-233/234	HSL-300	**0.826 ± 0.133 (0.023) C:NA T:116%**	pCi/g	12/17/14 14:46		N2
U-235/236	HSL-300	**0.079 ± 0.028 (0.020) C:NA T:116%**	pCi/g	12/17/14 14:46		N2
Uranium-238	HSL-300	**0.817 ± 0.132 (0.016) C:NA T:116%**	pCi/g	12/17/14 14:46		N2

Sample: SBFT-2 (5-10) **Lab ID: 30135049005** Collected: 11/17/14 11:29 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**1.777 ± 0.496 (0.195) C:NA T:NA**	pCi/g	12/23/14 12:40	14331-83-0	
Bismuth-212	EPA 901.1	**2.474 ± 1.284 (1.220) C:NA T:NA**	pCi/g	12/23/14 12:40	14913-49-6	
Bismuth-214	EPA 901.1	**2.254 ± 0.440 (0.120)**	pCi/g	12/23/14 12:40	14733-03-0	
Lead-210	EPA 901.1	**2.520 ± 2.209 (3.510) C:NA T:NA**	pCi/g	12/23/14 12:40	14255-04-0	
Lead-212	EPA 901.1	**1.666 ± 0.337 (0.203) C:NA T:NA**	pCi/g	12/23/14 12:40	15092-94-1	
Lead-214	EPA 901.1	**2.506 ± 0.486 (0.226)**	pCi/g	12/23/14 12:40	15067-28-4	
Potassium-40	EPA 901.1	**7.981 ± 2.180 (1.681) C:NA T:NA**	pCi/g	12/23/14 12:40	13966-00-2	
Protactinium-231	EPA 901.1	**-0.582 ± 2.728 (4.832) C:NA T:NA**	pCi/g	12/23/14 12:40	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.573 ± 70.510 (17.490) C:NA T:NA**	pCi/g	12/23/14 12:40	15100-28-4	
Radium-226	EPA 901.1	**2.370 ± 0.388 (0.120) C:NA T:NA**	pCi/g	12/23/14 12:40	13982-63-3	
Radium-228	EPA 901.1	**1.777 ± 0.496 (0.195) C:NA T:NA**	pCi/g	12/23/14 12:40	15262-20-1	
Thallium-208	EPA 901.1	**0.628 ± 0.150 (0.052) C:NA T:NA**	pCi/g	12/23/14 12:40	14913-50-9	
Thorium-234	EPA 901.1	**2.949 ± 1.407 (2.287) C:NA T:NA**	pCi/g	12/23/14 12:40	15065-10-8	
Uranium-235	EPA 901.1	**0.307 ± 0.133 (0.139) C:NA T:NA**	pCi/g	12/23/14 12:40	15117-96-1	
Thorium-228	HSL-300	**1.54 ± 0.281 (0.077) C:NA T:46%**	pCi/g	12/15/14 14:57	14274-82-9	N2
Thorium-230	HSL-300	**2.31 ± 0.400 (0.036) C:NA T:46%**	pCi/g	12/15/14 14:57	14269-63-7	N2
Thorium-232	HSL-300	**1.48 ± 0.267 (0.029) C:NA T:46%**	pCi/g	12/15/14 14:57	7440-29-1	N2
U-233/234	HSL-300	**2.00 ± 0.309 (0.025) C:NA T:105%**	pCi/g	12/16/14 15:01		N2

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

Sample: SBFT-2 (5-10) **Lab ID: 30135049005** Collected: 11/17/14 11:29 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
U-235/236	HSL-300	**0.063 ± 0.028 (0.020) C:NA T:105%**	pCi/g	12/16/14 15:01		N2
Uranium-238	HSL-300	**1.90 ± 0.295 (0.028) C:NA T:105%**	pCi/g	12/16/14 15:01		N2

Sample: SBFT-2 (10-15) **Lab ID: 30135049006** Collected: 11/17/14 11:38 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**1.244 ± 0.381 (0.232) C:NA T:NA**	pCi/g	12/23/14 12:59	14331-83-0	
Bismuth-212	EPA 901.1	**0.788 ± 0.897 (1.484) C:NA T:NA**	pCi/g	12/23/14 12:59	14913-49-6	
Bismuth-214	EPA 901.1	**0.843 ± 0.274 (0.202)**	pCi/g	12/23/14 12:59	14733-03-0	
Lead-210	EPA 901.1	**-0.563 ± 4.043 (2.753) C:NA T:NA**	pCi/g	12/23/14 12:59	14255-04-0	
Lead-212	EPA 901.1	**0.965 ± 0.227 (0.160) C:NA T:NA**	pCi/g	12/23/14 12:59	15092-94-1	
Lead-214	EPA 901.1	**0.818 ± 0.233 (0.152)**	pCi/g	12/23/14 12:59	15067-28-4	
Potassium-40	EPA 901.1	**12.579 ± 2.935 (1.287) C:NA T:NA**	pCi/g	12/23/14 12:59	13966-00-2	
Protactinium-231	EPA 901.1	**0.049 ± 2.069 (3.948) C:NA T:NA**	pCi/g	12/23/14 12:59	14331-85-2	
Protactinium-234M	EPA 901.1	**0.934 ± 7.496 (15.210) C:NA T:NA**	pCi/g	12/23/14 12:59	15100-28-4	
Radium-226	EPA 901.1	**0.820 ± 0.230 (0.202) C:NA T:NA**	pCi/g	12/23/14 12:59	13982-63-3	
Radium-228	EPA 901.1	**1.244 ± 0.381 (0.232) C:NA T:NA**	pCi/g	12/23/14 12:59	15262-20-1	
Thallium-208	EPA 901.1	**0.450 ± 0.130 (0.062) C:NA T:NA**	pCi/g	12/23/14 12:59	14913-50-9	
Thorium-234	EPA 901.1	**2.570 ± 1.297 (1.717) C:NA T:NA**	pCi/g	12/23/14 12:59	15065-10-8	
Uranium-235	EPA 901.1	**0.177 ± 0.113 (0.122) C:NA T:NA**	pCi/g	12/23/14 12:59	15117-96-1	
Thorium-228	HSL-300	**0.912 ± 0.189 (0.106) C:NA T:53%**	pCi/g	12/15/14 14:58	14274-82-9	N2
Thorium-230	HSL-300	**0.790 ± 0.163 (0.070) C:NA T:53%**	pCi/g	12/15/14 14:58	14269-63-7	N2
Thorium-232	HSL-300	**0.827 ± 0.166 (0.051) C:NA T:53%**	pCi/g	12/15/14 14:58	7440-29-1	N2
U-233/234	HSL-300	**1.39 ± 0.221 (0.030) C:NA T:106%**	pCi/g	12/16/14 15:01		N2
U-235/236	HSL-300	**0.111 ± 0.038 (0.024) C:NA T:106%**	pCi/g	12/16/14 15:01		N2
Uranium-238	HSL-300	**1.51 ± 0.238 (0.018) C:NA T:106%**	pCi/g	12/16/14 15:01		N2

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

Sample: SBFT-3 (0-5) **Lab ID: 30135049007** Collected: 11/17/14 12:00 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.885 ± 0.276 (0.206) C:NA T:NA**	pCi/g	12/23/14 13:14	14331-83-0	
Bismuth-212	EPA 901.1	**0.703 ± 0.882 (1.487) C:NA T:NA**	pCi/g	12/23/14 13:14	14913-49-6	
Bismuth-214	EPA 901.1	**0.820 ± 0.230 (0.127)**	pCi/g	12/23/14 13:14	14733-03-0	
Lead-210	EPA 901.1	**1.076 ± 1.458 (2.457) C:NA T:NA**	pCi/g	12/23/14 13:14	14255-04-0	
Lead-212	EPA 901.1	**0.810 ± 0.207 (0.230) C:NA T:NA**	pCi/g	12/23/14 13:14	15092-94-1	
Lead-214	EPA 901.1	**0.668 ± 0.209 (0.160)**	pCi/g	12/23/14 13:14	15067-28-4	
Potassium-40	EPA 901.1	**6.626 ± 1.959 (1.506) C:NA T:NA**	pCi/g	12/23/14 13:14	13966-00-2	
Protactinium-231	EPA 901.1	**-0.070 ± 1.915 (3.606) C:NA T:NA**	pCi/g	12/23/14 13:14	14331-85-2	
Protactinium-234M	EPA 901.1	**2.201 ± 6.126 (11.890) C:NA T:NA**	pCi/g	12/23/14 13:14	15100-28-4	
Radium-226	EPA 901.1	**0.729 ± 0.205 (0.127) C:NA T:NA**	pCi/g	12/23/14 13:14	13982-63-3	
Radium-228	EPA 901.1	**0.885 ± 0.276 (0.206) C:NA T:NA**	pCi/g	12/23/14 13:14	15262-20-1	
Thallium-208	EPA 901.1	**0.194 ± 0.089 (0.081) C:NA T:NA**	pCi/g	12/23/14 13:14	14913-50-9	
Thorium-234	EPA 901.1	**0.522 ± 0.587 (1.944) C:NA T:NA**	pCi/g	12/23/14 13:14	15065-10-8	
Uranium-235	EPA 901.1	**0.159 ± 0.092 (0.120) C:NA T:NA**	pCi/g	12/23/14 13:14	15117-96-1	
Thorium-228	HSL-300	**0.520 ± 0.115 (0.062) C:NA T:68%**	pCi/g	12/15/14 14:58	14274-82-9	N2
Thorium-230	HSL-300	**0.627 ± 0.128 (0.037) C:NA T:68%**	pCi/g	12/15/14 14:58	14269-63-7	N2
Thorium-232	HSL-300	**0.514 ± 0.108 (0.026) C:NA T:68%**	pCi/g	12/15/14 14:58	7440-29-1	N2
U-233/234	HSL-300	**0.480 ± 0.092 (0.032) C:NA T:112%**	pCi/g	12/16/14 15:02		N2
U-235/236	HSL-300	**0.026 ± 0.020 (0.024) C:NA T:112%**	pCi/g	12/16/14 15:02		N2
Uranium-238	HSL-300	**0.426 ± 0.084 (0.030) C:NA T:112%**	pCi/g	12/16/14 15:02		N2

Sample: SBFT-3 (5-10) **Lab ID: 30135049008** Collected: 11/17/14 12:11 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.896 ± 0.278 (0.287) C:NA T:NA**	pCi/g	12/23/14 13:30	14331-83-0	
Bismuth-212	EPA 901.1	**0.357 ± 0.873 (1.572) C:NA T:NA**	pCi/g	12/23/14 13:30	14913-49-6	
Bismuth-214	EPA 901.1	**0.670 ± 0.183 (0.101)**	pCi/g	12/23/14 13:30	14733-03-0	
Lead-210	EPA 901.1	**-0.134 ± 7.999 (2.389) C:NA T:NA**	pCi/g	12/23/14 13:30	14255-04-0	
Lead-212	EPA 901.1	**0.674 ± 0.209 (0.186) C:NA T:NA**	pCi/g	12/23/14 13:30	15092-94-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

Sample: SBFT-3 (5-10) **Lab ID: 30135049008** Collected: 11/17/14 12:11 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Lead-214	EPA 901.1	**0.854 ± 0.232 (0.164)**	pCi/g	12/23/14 13:30	15067-28-4	
Potassium-40	EPA 901.1	**5.008 ± 1.517 (1.198)** **C:NA T:NA**	pCi/g	12/23/14 13:30	13966-00-2	
Protactinium-231	EPA 901.1	**0.601 ± 1.919 (3.397)** **C:NA T:NA**	pCi/g	12/23/14 13:30	14331-85-2	
Protactinium-234M	EPA 901.1	**0.206 ± 5.258 (10.890)** **C:NA T:NA**	pCi/g	12/23/14 13:30	15100-28-4	
Radium-226	EPA 901.1	**0.718 ± 0.193 (0.101)** **C:NA T:NA**	pCi/g	12/23/14 13:30	13982-63-3	
Radium-228	EPA 901.1	**0.896 ± 0.278 (0.287)** **C:NA T:NA**	pCi/g	12/23/14 13:30	15262-20-1	
Thallium-208	EPA 901.1	**0.253 ± 0.086 (0.063)** **C:NA T:NA**	pCi/g	12/23/14 13:30	14913-50-9	
Thorium-234	EPA 901.1	**1.409 ± 0.823 (1.434)** **C:NA T:NA**	pCi/g	12/23/14 13:30	15065-10-8	
Uranium-235	EPA 901.1	**0.067 ± 0.059 (0.097)** **C:NA T:NA**	pCi/g	12/23/14 13:30	15117-96-1	
Thorium-228	HSL-300	**0.868 ± 0.171 (0.074)** **C:NA T:73%**	pCi/g	12/15/14 14:58	14274-82-9	N2
Thorium-230	HSL-300	**0.914 ± 0.174 (0.043)** **C:NA T:73%**	pCi/g	12/15/14 14:58	14269-63-7	N2
Thorium-232	HSL-300	**0.703 ± 0.139 (0.032)** **C:NA T:73%**	pCi/g	12/15/14 14:58	7440-29-1	N2
U-233/234	HSL-300	**0.839 ± 0.146 (0.031)** **C:NA T:109%**	pCi/g	12/16/14 15:02		N2
U-235/236	HSL-300	**0.046 ± 0.026 (0.026)** **C:NA T:109%**	pCi/g	12/16/14 15:02		N2
Uranium-238	HSL-300	**0.715 ± 0.127 (0.020)** **C:NA T:109%**	pCi/g	12/16/14 15:02		N2

Sample: SBFT-4 (0-5) **Lab ID: 30135049009** Collected: 11/17/14 12:35 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.149 ± 0.139 (0.367)** **C:NA T:NA**	pCi/g	12/23/14 13:46	14331-83-0	
Bismuth-212	EPA 901.1	**-0.115 ± 4.613 (0.660)** **C:NA T:NA**	pCi/g	12/23/14 13:46	14913-49-6	
Bismuth-214	EPA 901.1	**0.207 ± 0.100 (0.104)**	pCi/g	12/23/14 13:46	14733-03-0	
Lead-210	EPA 901.1	**0.098 ± 0.991 (1.862)** **C:NA T:NA**	pCi/g	12/23/14 13:46	14255-04-0	
Lead-212	EPA 901.1	**0.215 ± 0.081 (0.074)** **C:NA T:NA**	pCi/g	12/23/14 13:46	15092-94-1	
Lead-214	EPA 901.1	**0.284 ± 0.129 (0.119)**	pCi/g	12/23/14 13:46	15067-28-4	
Potassium-40	EPA 901.1	**4.928 ± 1.456 (0.929)** **C:NA T:NA**	pCi/g	12/23/14 13:46	13966-00-2	
Protactinium-231	EPA 901.1	**-0.101 ± 1.588 (2.976)** **C:NA T:NA**	pCi/g	12/23/14 13:46	14331-85-2	
Protactinium-234M	EPA 901.1	**-2.359 ± 12.736 (13.990)** **C:NA T:NA**	pCi/g	12/23/14 13:46	15100-28-4	
Radium-226	EPA 901.1	**0.242 ± 0.083 (0.104)** **C:NA T:NA**	pCi/g	12/23/14 13:46	13982-63-3	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

Sample: SBFT-4 (0-5) **Lab ID: 30135049009** Collected: 11/17/14 12:35 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radium-228	EPA 901.1	**0.149 ± 0.139 (0.367)** **C:NA T:NA**	pCi/g	12/23/14 13:46	15262-20-1	
Thallium-208	EPA 901.1	**0.064 ± 0.069 (0.089)** **C:NA T:NA**	pCi/g	12/23/14 13:46	14913-50-9	
Thorium-234	EPA 901.1	**0.098 ± 0.628 (1.149)** **C:NA T:NA**	pCi/g	12/23/14 13:46	15065-10-8	
Uranium-235	EPA 901.1	**0.014 ± 0.048 (0.089)** **C:NA T:NA**	pCi/g	12/23/14 13:46	15117-96-1	
Thorium-228	HSL-300	**0.230 ± 0.065 (0.054)** **C:NA T:81%**	pCi/g	12/15/14 14:58	14274-82-9	N2
Thorium-230	HSL-300	**0.145 ± 0.046 (0.039)** **C:NA T:81%**	pCi/g	12/15/14 14:58	14269-63-7	N2
Thorium-232	HSL-300	**0.230 ± 0.058 (0.028)** **C:NA T:81%**	pCi/g	12/15/14 14:58	7440-29-1	N2
U-233/234	HSL-300	**0.174 ± 0.043 (0.026)** **C:NA T:101%**	pCi/g	12/17/14 14:46		N2
U-235/236	HSL-300	**0.004 ± 0.010 (0.020)** **C:NA T:101%**	pCi/g	12/17/14 14:46		N2
Uranium-238	HSL-300	**0.166 ± 0.040 (0.012)** **C:NA T:101%**	pCi/g	12/17/14 14:46		N2

Sample: SBFT-5 (0-5) **Lab ID: 30135049010** Collected: 11/17/14 13:03 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.430 ± 0.182 (0.322)** **C:NA T:NA**	pCi/g	12/23/14 14:02	14331-83-0	
Bismuth-212	EPA 901.1	**0.375 ± 0.612 (1.112)** **C:NA T:NA**	pCi/g	12/23/14 14:02	14913-49-6	
Bismuth-214	EPA 901.1	**0.197 ± 0.140 (0.196)**	pCi/g	12/23/14 14:02	14733-03-0	
Lead-210	EPA 901.1	**0.103 ± 1.295 (2.375)** **C:NA T:NA**	pCi/g	12/23/14 14:02	14255-04-0	
Lead-212	EPA 901.1	**0.531 ± 0.159 (0.133)** **C:NA T:NA**	pCi/g	12/23/14 14:02	15092-94-1	
Lead-214	EPA 901.1	**0.480 ± 0.168 (0.141)**	pCi/g	12/23/14 14:02	15067-28-4	
Potassium-40	EPA 901.1	**5.604 ± 1.612 (0.991)** **C:NA T:NA**	pCi/g	12/23/14 14:02	13966-00-2	
Protactinium-231	EPA 901.1	**-0.047 ± 1.464 (2.803)** **C:NA T:NA**	pCi/g	12/23/14 14:02	14331-85-2	
Protactinium-234M	EPA 901.1	**2.661 ± 6.817 (12.620)** **C:NA T:NA**	pCi/g	12/23/14 14:02	15100-28-4	
Radium-226	EPA 901.1	**0.324 ± 0.113 (0.196)** **C:NA T:NA**	pCi/g	12/23/14 14:02	13982-63-3	
Radium-228	EPA 901.1	**0.430 ± 0.182 (0.322)** **C:NA T:NA**	pCi/g	12/23/14 14:02	15262-20-1	
Thallium-208	EPA 901.1	**0.070 ± 0.068 (0.107)** **C:NA T:NA**	pCi/g	12/23/14 14:02	14913-50-9	
Thorium-234	EPA 901.1	**0.532 ± 0.491 (1.358)** **C:NA T:NA**	pCi/g	12/23/14 14:02	15065-10-8	
Uranium-235	EPA 901.1	**0.046 ± 0.075 (0.102)** **C:NA T:NA**	pCi/g	12/23/14 14:02	15117-96-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

Sample: SBFT-5 (0-5) **Lab ID: 30135049010** Collected: 11/17/14 13:03 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Thorium-228	HSL-300	**0.369 ± 0.186 (0.235) C:NA T:18%**	pCi/g	12/15/14 14:59	14274-82-9	N2
Thorium-230	HSL-300	**0.188 ± 0.133 (0.184) C:NA T:18%**	pCi/g	12/15/14 14:59	14269-63-7	N2
Thorium-232	HSL-300	**0.371 ± 0.128 (0.025) C:NA T:18%**	pCi/g	12/15/14 14:59	7440-29-1	N2
U-233/234	HSL-300	**0.274 ± 0.058 (0.026) C:NA T:95%**	pCi/g	12/17/14 14:46		N2
U-235/236	HSL-300	**0.031 ± 0.018 (0.016) C:NA T:95%**	pCi/g	12/17/14 14:46		N2
Uranium-238	HSL-300	**0.293 ± 0.060 (0.016) C:NA T:95%**	pCi/g	12/17/14 14:46		N2

Sample: SBFT-5 (5-10) **Lab ID: 30135049011** Collected: 11/17/14 13:10 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.927 ± 0.322 (0.233) C:NA T:NA**	pCi/g	12/23/14 14:18	14331-83-0	
Bismuth-212	EPA 901.1	**0.795 ± 1.122 (1.919) C:NA T:NA**	pCi/g	12/23/14 14:18	14913-49-6	
Bismuth-214	EPA 901.1	**0.497 ± 0.224 (0.274)**	pCi/g	12/23/14 14:18	14733-03-0	
Lead-210	EPA 901.1	**0.266 ± 1.695 (3.080) C:NA T:NA**	pCi/g	12/23/14 14:18	14255-04-0	
Lead-212	EPA 901.1	**0.785 ± 0.237 (0.214) C:NA T:NA**	pCi/g	12/23/14 14:18	15092-94-1	
Lead-214	EPA 901.1	**0.632 ± 0.211 (0.161)**	pCi/g	12/23/14 14:18	15067-28-4	
Potassium-40	EPA 901.1	**8.779 ± 2.345 (1.292) C:NA T:NA**	pCi/g	12/23/14 14:18	13966-00-2	
Protactinium-231	EPA 901.1	**0.745 ± 1.792 (3.207) C:NA T:NA**	pCi/g	12/23/14 14:18	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.885 ± 35.386 (26.150) C:NA T:NA**	pCi/g	12/23/14 14:18	15100-28-4	
Radium-226	EPA 901.1	**0.485 ± 0.143 (0.274) C:NA T:NA**	pCi/g	12/23/14 14:18	13982-63-3	
Radium-228	EPA 901.1	**0.927 ± 0.322 (0.233) C:NA T:NA**	pCi/g	12/23/14 14:18	15262-20-1	
Thallium-208	EPA 901.1	**0.102 ± 0.087 (0.134) C:NA T:NA**	pCi/g	12/23/14 14:18	14913-50-9	
Thorium-234	EPA 901.1	**0.818 ± 0.921 (1.841) C:NA T:NA**	pCi/g	12/23/14 14:18	15065-10-8	
Uranium-235	EPA 901.1	**0.062 ± 0.076 (0.129) C:NA T:NA**	pCi/g	12/23/14 14:18	15117-96-1	
Thorium-228	HSL-300	**0.966 ± 0.189 (0.070) C:NA T:62%**	pCi/g	12/15/14 14:59	14274-82-9	N2
Thorium-230	HSL-300	**0.579 ± 0.123 (0.046) C:NA T:62%**	pCi/g	12/15/14 14:59	14269-63-7	N2
Thorium-232	HSL-300	**0.774 ± 0.153 (0.028) C:NA T:62%**	pCi/g	12/15/14 14:59	7440-29-1	N2
U-233/234	HSL-300	**0.438 ± 0.079 (0.017) C:NA T:111%**	pCi/g	12/17/14 15:01		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

Sample: SBFT-5 (5-10) **Lab ID: 30135049011** Collected: 11/17/14 13:10 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
U-235/236	HSL-300	**0.029 ± 0.015 (0.005) C:NA T:111%**	pCi/g	12/17/14 15:01		N2
Uranium-238	HSL-300	**0.471 ± 0.084 (0.016) C:NA T:111%**	pCi/g	12/17/14 15:01		N2

Sample: SBFT-5 (10-15) **Lab ID: 30135049012** Collected: 11/17/14 13:17 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**2.450 ± 0.660 (0.249) C:NA T:NA**	pCi/g	12/23/14 14:35	14331-83-0	
Bismuth-212	EPA 901.1	**1.433 ± 1.393 (2.224) C:NA T:NA**	pCi/g	12/23/14 14:35	14913-49-6	
Bismuth-214	EPA 901.1	**1.410 ± 0.352 (0.210)**	pCi/g	12/23/14 14:35	14733-03-0	
Lead-210	EPA 901.1	**2.567 ± 2.251 (3.582) C:NA T:NA**	pCi/g	12/23/14 14:35	14255-04-0	
Lead-212	EPA 901.1	**1.927 ± 0.375 (0.224) C:NA T:NA**	pCi/g	12/23/14 14:35	15092-94-1	
Lead-214	EPA 901.1	**1.564 ± 0.395 (0.258)**	pCi/g	12/23/14 14:35	15067-28-4	
Potassium-40	EPA 901.1	**19.275 ± 3.916 (1.426) C:NA T:NA**	pCi/g	12/23/14 14:35	13966-00-2	
Protactinium-231	EPA 901.1	**0.483 ± 2.647 (4.786) C:NA T:NA**	pCi/g	12/23/14 14:35	14331-85-2	
Protactinium-234M	EPA 901.1	**-2.986 ± 28.908 (23.890) C:NA T:NA**	pCi/g	12/23/14 14:35	15100-28-4	
Radium-226	EPA 901.1	**1.478 ± 0.361 (0.210) C:NA T:NA**	pCi/g	12/23/14 14:35	13982-63-3	
Radium-228	EPA 901.1	**2.450 ± 0.660 (0.249) C:NA T:NA**	pCi/g	12/23/14 14:35	15262-20-1	
Thallium-208	EPA 901.1	**0.665 ± 0.164 (0.068) C:NA T:NA**	pCi/g	12/23/14 14:35	14913-50-9	
Thorium-234	EPA 901.1	**0.982 ± 1.563 (2.626) C:NA T:NA**	pCi/g	12/23/14 14:35	15065-10-8	
Uranium-235	EPA 901.1	**0.198 ± 0.138 (0.152) C:NA T:NA**	pCi/g	12/23/14 14:35	15117-96-1	
Thorium-228	HSL-300	**1.59 ± 0.344 (0.161) C:NA T:24%**	pCi/g	12/15/14 15:00	14274-82-9	N2
Thorium-230	HSL-300	**1.08 ± 0.263 (0.167) C:NA T:24%**	pCi/g	12/15/14 15:00	14269-63-7	N2
Thorium-232	HSL-300	**1.79 ± 0.366 (0.099) C:NA T:24%**	pCi/g	12/15/14 15:00	7440-29-1	N2
U-233/234	HSL-300	**0.789 ± 0.132 (0.025) C:NA T:107%**	pCi/g	12/17/14 15:01		N2
U-235/236	HSL-300	**0.055 ± 0.024 (0.020) C:NA T:107%**	pCi/g	12/17/14 15:01		N2
Uranium-238	HSL-300	**0.814 ± 0.135 (0.012) C:NA T:107%**	pCi/g	12/17/14 15:01		N2

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

Sample: SBFT-5 (15-20) **Lab ID: 30135049013** Collected: 11/17/14 13:25 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**2.966 ± 0.615 (0.242) C:NA T:NA**	pCi/g	12/23/14 14:57	14331-83-0	
Bismuth-212	EPA 901.1	**1.964 ± 1.403 (2.058) C:NA T:NA**	pCi/g	12/23/14 14:57	14913-49-6	
Bismuth-214	EPA 901.1	**1.376 ± 0.382 (0.281)**	pCi/g	12/23/14 14:57	14733-03-0	
Lead-210	EPA 901.1	**0.251 ± 2.728 (4.781) C:NA T:NA**	pCi/g	12/23/14 14:57	14255-04-0	
Lead-212	EPA 901.1	**2.277 ± 0.428 (0.221) C:NA T:NA**	pCi/g	12/23/14 14:57	15092-94-1	
Lead-214	EPA 901.1	**1.651 ± 0.386 (0.251)**	pCi/g	12/23/14 14:57	15067-28-4	
Potassium-40	EPA 901.1	**25.686 ± 4.784 (1.386) C:NA T:NA**	pCi/g	12/23/14 14:57	13966-00-2	
Protactinium-231	EPA 901.1	**-1.043 ± 3.342 (5.826) C:NA T:NA**	pCi/g	12/23/14 14:57	14331-85-2	
Protactinium-234M	EPA 901.1	**0.578 ± 11.597 (22.040) C:NA T:NA**	pCi/g	12/23/14 14:57	15100-28-4	
Radium-226	EPA 901.1	**1.528 ± 0.354 (0.281) C:NA T:NA**	pCi/g	12/23/14 14:57	13982-63-3	
Radium-228	EPA 901.1	**2.966 ± 0.615 (0.242) C:NA T:NA**	pCi/g	12/23/14 14:57	15262-20-1	
Thallium-208	EPA 901.1	**0.760 ± 0.186 (0.094) C:NA T:NA**	pCi/g	12/23/14 14:57	14913-50-9	
Thorium-234	EPA 901.1	**1.065 ± 1.769 (2.964) C:NA T:NA**	pCi/g	12/23/14 14:57	15065-10-8	
Uranium-235	EPA 901.1	**0.300 ± 0.144 (0.157) C:NA T:NA**	pCi/g	12/23/14 14:57	15117-96-1	
Thorium-228	HSL-300	**2.10 ± 0.522 (0.288) C:NA T:10%**	pCi/g	12/15/14 15:00	14274-82-9	N2
Thorium-230	HSL-300	**1.34 ± 0.372 (0.171) C:NA T:10%**	pCi/g	12/15/14 15:00	14269-63-7	N2
Thorium-232	HSL-300	**2.47 ± 0.562 (0.134) C:NA T:10%**	pCi/g	12/15/14 15:00	7440-29-1	N2
U-233/234	HSL-300	**1.18 ± 0.195 (0.044) C:NA T:101%**	pCi/g	12/18/14 12:36		N2
U-235/236	HSL-300	**0.050 ± 0.031 (0.039) C:NA T:101%**	pCi/g	12/18/14 12:36		N2
Uranium-238	HSL-300	**1.13 ± 0.186 (0.034) C:NA T:101%**	pCi/g	12/18/14 12:36		N2

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Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

QC Batch: RADC/22459 Analysis Method: HSL-300
QC Batch Method: HSL-300 Analysis Description: HSL300(AS) Actinides
Associated Lab Samples: 30135048001, 30135049002, 30135049003, 30135049004, 30135049005, 30135049006, 30135049007, 30135049008, 30135049009, 30135049010, 30135049011, 30135049012, 30135049013

METHOD BLANK: 825438 Matrix: Solid
Associated Lab Samples: 30135048001, 30135049002, 30135049003, 30135049004, 30135049005, 30135049006, 30135049007, 30135049008, 30135049009, 30135049010, 30135049011, 30135049012, 30135049013

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Thorium-228	0.021 ± 0.034 (0.054) C:NA T:82%	pCi/g	12/15/14 14:57	N2
Thorium-230	-0.002 ± 0.012 (0.024) C:NA T:82%	pCi/g	12/15/14 14:57	N2
Thorium-232	-0.005 ± 0.008 (0.019) C:NA T:82%	pCi/g	12/15/14 14:57	N2
U-233/234	0.027 ± 0.015 (0.017) C:NA T:112%	pCi/g	12/16/14 14:55	N2
U-235/236	0.010 ± 0.009 (0.005) C:NA T:112%	pCi/g	12/16/14 14:55	N2
Uranium-238	0.011 ± 0.011 (0.016) C:NA T:112%	pCi/g	12/16/14 14:55	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

QC Batch:	RADC/22481	Analysis Method:	EPA 901.1
QC Batch Method:	EPA 901.1	Analysis Description:	901.1 Gamma Spec Ingrowth

Associated Lab Samples: 30135048001, 30135049002, 30135049003, 30135049004, 30135049005, 30135049006, 30135049007, 30135049008, 30135049009, 30135049010, 30135049011, 30135049012, 30135049013

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: 1411B85 Gannett & Fleming
Pace Project No.: 30135049

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2 The lab does not hold TNI accreditation for this parameter.

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Pace Analytical

CHAIN OF CUSTODY RECORD

Omega COCID 2186 | PAGE: 2 | OF: 3

ADDRESS
PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040
FAX: (631) 420-8436
Website: www.pacelabs.com

SUB CONTRATOR: **PACE-Pennsylvania** COMPANY: **Pace Analytical Service, Inc.**
ADDRESS: **1638 Roseytown Road Suites 2,3,&4**
CITY, STATE, ZIP: **Greensburg, PA 15601**
PHONE: **(724) 850-5600** FAX: **(724) 850-5601**
ACCOUNT #: EMAIL:

SPECIAL INSTRUCTIONS / COMMENTS:
Please analyze for Uranium, Thorium, and Gamma Spec. If you have any questions, please contact Jennifer Aracri at ext. 1211. Note: fractions D and E share the same 8 oz jar. Thanks!!

30135049

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description.
10	1411B85-005E	SBFT-2 (5-10)	8-ozJAR	Soil	11/17/2014 11:29:00 AM	1	Thorium 005
	SUBCONTRACT (SUB)						
11	1411B85-006D	SBFT-2 (10-15)	8-ozJAR	Soil	11/17/2014 11:38:00 AM	1	Uranium, Gamma Spec 006
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
12	1411B85-006E	SBFT-2 (10-15)	8-ozJAR	Soil	11/17/2014 11:38:00 AM	1	Thorium
	SUBCONTRACT (SUB)						
13	1411B85-007D	SBFT-3 (0-5)	8-ozJAR	Soil	11/17/2014 12:00:00 PM	1	Uranium, Gamma Spec 007
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
14	1411B85-007E	SBFT-3 (0-5)	8-ozJAR	Soil	11/17/2014 12:00:00 PM	1	Thorium
	SUBCONTRACT (SUB)						
15	1411B85-008D	SBFT-3 (5-10)	8-ozJAR	Soil	11/17/2014 12:11:00 PM	1	Uranium, Gamma Spec 008
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
16	1411B85-008E	SBFT-3 (5-10)	8-ozJAR	Soil	11/17/2014 12:11:00 PM	1	Thorium
	SUBCONTRACT (SUB)						
17	1411B85-009D	SBFT-4 (0-5)	8-ozJAR	Soil	11/17/2014 12:35:00 PM	1	Uranium, Gamma Spec 009
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
18	1411B85-009E	SBFT-4 (0-5)	8-ozJAR	Soil	11/17/2014 12:35:00 PM	1	Thorium
	SUBCONTRACT (SUB)						

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[illegible]	11-21-14	1800	Alyna R Muchaney	11/22/14	1115
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples 2.5 °C Attempt to Cool ?
Comments:

Pace Analytical

CHAIN OF CUSTODY RECORD

Omega COCID 2186	PAGE: 3	OF: 3

ADDRESS
PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040
FAX: (631) 420-8436
Website: www.pacelabs.com

SUB CONTRATOR: **PACE-Pennsylvania** COMPANY: **Pace Analytical Service, Inc.**
ADDRESS: **1638 Roseytown Road Suites 2,3,&4**
CITY, STATE, ZIP: **Greensburg, PA 15601**
PHONE: **(724) 850-5600** FAX: **(724) 850-5601**
ACCOUNT #: EMAIL:

SPECIAL INSTRUCTIONS / COMMENTS:
Please analyze for Uranium, Thorium, and Gamma Spec. If you have any questions, please contact Jennifer Aracri at ext. 1211.
Note: fractions D and E share the same 8 oz jar. Thanks!!

30135049

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description.
19	1411B85-010D	SBFT-5 (0-5)	8-ozJAR	Soil	11/17/2014 1:03:00 PM	1	Uranium, Gamma Spec 010
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
20	1411B85-010E	SBFT-5 (0-5)	8-ozJAR	Soil	11/17/2014 1:03:00 PM	1	Thorium
	SUBCONTRACT (SUB)						
21	1411B85-011D	SBFT-5 (5-10)	8-ozJAR	Soil	11/17/2014 1:10:00 PM	1	Uranium, Gamma Spec 011
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
22	1411B85-011E	SBFT-5 (5-10)	8-ozJAR	Soil	11/17/2014 1:10:00 PM	1	Thorium
	SUBCONTRACT (SUB)						
23	1411B85-012D	SBFT-5 (10-15)	8-ozJAR	Soil	11/17/2014 1:17:00 PM	1	Uranium, Gamma Spec 012
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
24	1411B85-012E	SBFT-5 (10-15)	8-ozJAR	Soil	11/17/2014 1:17:00 PM	1	Thorium
	SUBCONTRACT (SUB)						
25	1411B85-013D	SBFT-5 (15-20)	8-ozJAR	Soil	11/17/2014 1:25:00 PM	1	Uranium, Gamma Spec 013
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
26	1411B85-013E	SBFT-5 (15-20)	8-ozJAR	Soil	11/17/2014 1:25:00 PM	1	Thorium
	SUBCONTRACT (SUB)						

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[illegible]	11-21-14	1800	Alma K. Muchaney	11/22/14	1115
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐
Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples 2.5 °C Attempt to Cool ?
Comments:

Sample Condition Upon Receipt

Pace Analytical

Client Name: PACE L.I

Project # 60135049

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 7719 5452 4865

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no Biological Tissue is Frozen: Yes No

Packing Material: Bubble Wrap ✓ Bubble Bags ✓ None ___ Other _____

Thermometer Used 8 Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temp.: Observed Temp.: 2.6 °C Correction Factor: -0.1 °C Final Temp: 2.5 °C

Date and Initials of person examining contents: ARM 11/22/14

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☑No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☐Yes ☑No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SL		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☑No	Initial when completed ARM / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 11/24/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical

30135049

Project Number:

Client Name: Pace L.I.

11/22/14
AKM

Item No.	Matrix Code	Glass Jar (120 / 250 / 500 / 1L)	Soil kit (2 SB, 1M, soil jar)	Chemistry (250 / 500 / 1L)	Organics (1L)	Nutrient (250 / 500)	Phenolics (250 ml)	TOC (40 ml / 250 ml)	TOX (250 ml)	Total Metals	Dissolved Metals preserved Y N	O & G (1L)	TPH (1L)	VOA (40 ml 30 ml)	Cyanide (250 ml)	Sulfide (500 ml)	Bacteria (120 ml)	Wipes / swipe/ smear/ filter	Radchem Nalgene (125 / 250 / 500 / 1L)	Radchem Nalgene (1/2 gal. / 1 gal.L)	Cubitainer (500 ml / 4L)	Ziploc	Other	Other
001	~~AKSL~~	1																						
↓ 013	↓ SL	↓ 1																						

Pace Analytical™

CHAIN OF CUSTODY RECORD

Omega COCID 2186	PAGE: 1	OF: 3

ADDRESS
PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040
FAX: (631) 420-8436
Website: www.pacelabs.com

ASR-0552

SUB CONTRATOR:	PACE-Pennsylvania	COMPANY:	Pace Analytical Service, Inc.
ADDRESS:	1638 Roseytown Road Suites 2,3,&4		
CITY, STATE, ZIP:	Greensburg, PA 15601		
PHONE:	(724) 850-5600	FAX:	(724) 850-5601
ACCOUNT #:		EMAIL:	

SPECIAL INSTRUCTIONS / COMMENTS:

Please analyze for Uranium, Thorium, and Gamma Spec. If you have any questions, please contact Jennifer Aracri at ext. 1211. Note: fractions D and E share the same 8 oz jar. Thanks!!

30135049

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description	
1	1411B85-001D	SBFT-1 (0-5)	8-ozJAR	Soil	11/17/2014 10:30:00 AM	1	Uranium, Gamma Spec	001
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)							
2	1411B85-001E	SBFT-1 (0-5)	8-ozJAR	Soil	11/17/2014 10:30:00 AM	1	Thorium	↓
	SUBCONTRACT (SUB)							
3	1411B85-002D	SBFT-1 (5-10)	8-ozJAR	Soil	11/17/2014 10:45:00 AM	1	Uranium, Gamma Spec	002
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)							
4	1411B85-002E	SBFT-1 (5-10)	8-ozJAR	Soil	11/17/2014 10:45:00 AM	1	Thorium	↓
	SUBCONTRACT (SUB)							
5	1411B85-003D	SBFT-1 (10-15)	8-ozJAR	Soil	11/17/2014 10:55:00 AM	1	Uranium, Gamma Spec	003
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)							
6	1411B85-003E	SBFT-1 (10-15)	8-ozJAR	Soil	11/17/2014 10:55:00 AM	1	Thorium	↓
	SUBCONTRACT (SUB)							
7	1411B85-004D	SBFT-2 (0-5)	8-ozJAR	Soil	11/17/2014 11:20:00 AM	1	Uranium, Gamma Spec	004
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)							
8	1411B85-004E	SBFT-2 (0-5)	8-ozJAR	Soil	11/17/2014 11:20:00 AM	1	Thorium	↓
	SUBCONTRACT (SUB)							
9	1411B85-005D	SBFT-2 (5-10)	8-ozJAR	Soil	11/17/2014 11:29:00 AM	1	Uranium, Gamma Spec	005
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)							

Relinquished By: [signature]	Date: 11-21-14	Time: 1800	Received By: Allyna R. Muchoney	Date: 11/22/14	Time: 1115
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:

☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples 2.5 °C Attempt to Cool ? _____

Comments: _____

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/17/2014 10:30:00 AM
Received : 11/17/2014 5:30:00 PM
Collected By G&F99

Lab No. : 1411B85-001
Client Sample ID: SBFT-1 (0-5)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/22/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/16/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 12/24/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/17/2014 10:45:00 AM
Received : 11/17/2014 5:30:00 PM
Collected By G&F99

Lab No. : 1411B85-002
Client Sample ID: SBFT-1 (5-10)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/22/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/16/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 12/24/2014

Pace Analytical™
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/17/2014 10:55:00 AM
Received : 11/17/2014 5:30:00 PM
Collected By G&F99

Lab No. : 1411B85-003
Client Sample ID: SBFT-1 (10-15)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/23/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/16/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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D.F. = Dilution Factor D = Results for Dilution
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/17/2014 11:20:00 AM
Received : 11/17/2014 5:30:00 PM
Collected By G&F99

Lab No. : 1411B85-004
Client Sample ID: SBFT-2 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/23/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/17/2014 11:29:00 AM
Received : 11/17/2014 5:30:00 PM
Collected By G&F99

Lab No. : 1411B85-005
Client Sample ID: SBFT-2 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/23/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/16/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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r = Reporting limit > MDL and < LOQ, Value estimated.
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/17/2014 11:38:00 AM
Received : 11/17/2014 5:30:00 PM
Collected By G&F99

Lab No. : 1411B85-006
Client Sample ID: SBFT-2 (10-15)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/23/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/16/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/17/2014 12:00:00 PM
Received : 11/17/2014 5:30:00 PM
Collected By G&F99

Lab No. : 1411B85-007
Client Sample ID: SBFT-3 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/23/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/16/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/17/2014 12:11:00 PM
Received : 11/17/2014 5:30:00 PM
Collected By G&F99

Lab No. : 1411B85-008
Client Sample ID: SBFT-3 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/23/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/16/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/17/2014 12:35:00 PM
Received : 11/17/2014 5:30:00 PM
Collected By G&F99

Lab No. : 1411B85-009
Client Sample ID: SBFT-4 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/23/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/17/2014 1:03:00 PM
Received : 11/17/2014 5:30:00 PM
Collected By G&F99

Lab No. : 1411B85-010
Client Sample ID: SBFT-5 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/23/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
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NYSDOH ID#10478 www.pacelabs.com

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/17/2014 1:10:00 PM
Received : 11/17/2014 5:30:00 PM
Collected By G&F99

Lab No. : 1411B85-011
Client Sample ID: SBFT-5 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/23/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/17/2014 1:17:00 PM
Received : 11/17/2014 5:30:00 PM
Collected By G&F99

Lab No. : 1411B85-012
Client Sample ID: SBFT-5 (10-15)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/23/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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NYSDOH ID#10478 www.pacelabs.com

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/17/2014 1:25:00 PM
Received : 11/17/2014 5:30:00 PM
Collected By G&F99

Lab No. : 1411B85-013
Client Sample ID: SBFT-5 (15-20)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/23/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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Date Reported : 12/24/2014

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF** Date and Time Received: **11/17/2014 5:30:00 PM**

Work Order Number: **1411B85** RcptNo: **1** Received by **MelissaWatson**

Completed by: Reviewed by:

Completed Date: 11/24/2014 12:52:21 PM Reviewed Date: 11/24/2014 8:13:22 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	3.2 º
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF008 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1411B85

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

December 31, 2014

Ms. Jennifer Aracri
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747

RE: Project: 1411C55 Gannett & Fleming
Pace Project No.: 30135047

Dear Ms. Aracri:
Enclosed are the analytical results for sample(s) received by the laboratory on November 22, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

This report has been reissued on December 31, 2014. Samples IDs were changed to the client sample ID as per sample request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carin A. Ferris

Carin Ferris for
Jacquelyn Collins
jacquelyn.collins@pacelabs.com
Project Manager

Enclosures

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without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: 1411C55 Gannett & Fleming
Pace Project No.: 30135047

Pennsylvania Certification IDs
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ACLASS DOD-ELAP Accreditation #: ADE-1544
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/TNI Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
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Louisiana DEQ/TNI Certification #: 4086
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Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188
Utah/TNI Certification #: PA014572014-4
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q

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SAMPLE SUMMARY

Project: 1411C55 Gannett & Fleming
Pace Project No.: 30135047

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30135046001	**SBFT-6 (0-5)**	Solid	11/18/14 08:45	11/22/14 11:15
30135047002	**SBFT-6 (5-10)**	Solid	11/18/14 08:56	11/22/14 11:15
30135047003	**SBFT-6 (10-15)**	Solid	11/18/14 09:05	11/22/14 11:15
30135047004	**SBFT-7 (0-5)**	Solid	11/18/14 09:23	11/22/14 11:15
30135047005	**SBFT-7 (5-10)**	Solid	11/18/14 09:35	11/22/14 11:15
30135047006	**SBFT-8 (0-5)**	Solid	11/18/14 10:31	11/22/14 11:15
30135047007	**SBFT-8 (5-10)**	Solid	11/18/14 10:40	11/22/14 11:15

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SAMPLE ANALYTE COUNT

Project: 1411C55 Gannett & Fleming
Pace Project No.: 30135047

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30135046001	**SBFT-6 (0-5)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135047002	**SBFT-6 (5-10)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135047003	**SBFT-6 (10-15)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135047004	**SBFT-7 (0-5)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135047005	**SBFT-7 (5-10)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135047006	**SBFT-8 (0-5)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30135047007	**SBFT-8 (5-10)**	EPA 901.1	MAH	14
		HSL-300	LAL	6

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C55 Gannett & Fleming
Pace Project No.: 30135047

Sample: SBFT-6 (0-5) **Lab ID: 30135046001** Collected: 11/18/14 08:45 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**1.518 ± 0.400 (0.299) C:NA T:NA**	pCi/g	12/20/14 15:31	14331-83-0	
Bismuth-212	EPA 901.1	**0.967 ± 1.198 (1.958) C:NA T:NA**	pCi/g	12/20/14 15:31	14913-49-6	
Bismuth-214	EPA 901.1	**0.722 ± 0.262 (0.270)**	pCi/g	12/20/14 15:31	14733-03-0	
Lead-210	EPA 901.1	**-0.127 ± 5.084 (4.282) C:NA T:NA**	pCi/g	12/20/14 15:31	14255-04-0	
Lead-212	EPA 901.1	**1.457 ± 0.357 (0.244) C:NA T:NA**	pCi/g	12/20/14 15:31	15092-94-1	
Lead-214	EPA 901.1	**1.385 ± 0.356 (0.216)**	pCi/g	12/20/14 15:31	15067-28-4	
Potassium-40	EPA 901.1	**9.968 ± 2.618 (1.296) C:NA T:NA**	pCi/g	12/20/14 15:31	13966-00-2	
Protactinium-231	EPA 901.1	**-1.127 ± 3.596 (6.293) C:NA T:NA**	pCi/g	12/20/14 15:31	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.250 ± 10.002 (33.920) C:NA T:NA**	pCi/g	12/20/14 15:31	15100-28-4	
Radium-226	EPA 901.1	**0.778 ± 0.283 (0.270) C:NA T:NA**	pCi/g	12/20/14 15:31	13982-63-3	
Radium-228	EPA 901.1	**1.518 ± 0.400 (0.299) C:NA T:NA**	pCi/g	12/20/14 15:31	15262-20-1	
Thallium-208	EPA 901.1	**0.533 ± 0.178 (0.147) C:NA T:NA**	pCi/g	12/20/14 15:31	14913-50-9	
Thorium-234	EPA 901.1	**2.593 ± 1.230 (1.784) C:NA T:NA**	pCi/g	12/20/14 15:31	15065-10-8	
Uranium-235	EPA 901.1	**0.216 ± 0.133 (0.146) C:NA T:NA**	pCi/g	12/20/14 15:31	15117-96-1	
Thorium-228	HSL-300	**1.12 ± 0.207 (0.049) C:NA T:52%**	pCi/g	12/15/14 14:57	14274-82-9	N2
Thorium-230	HSL-300	**0.814 ± 0.157 (0.034) C:NA T:52%**	pCi/g	12/15/14 14:57	14269-63-7	N2
Thorium-232	HSL-300	**1.04 ± 0.193 (0.025) C:NA T:52%**	pCi/g	12/15/14 14:57	7440-29-1	N2
U-233/234	HSL-300	**0.752 ± 0.129 (0.028) C:NA T:95%**	pCi/g	12/16/14 14:55		N2
U-235/236	HSL-300	**0.055 ± 0.026 (0.022) C:NA T:95%**	pCi/g	12/16/14 14:55		N2
Uranium-238	HSL-300	**0.776 ± 0.132 (0.014) C:NA T:95%**	pCi/g	12/16/14 14:55		N2

Sample: SBFT-6 (5-10) **Lab ID: 30135047002** Collected: 11/18/14 08:56 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.919 ± 0.313 (0.503) C:NA T:NA**	pCi/g	12/20/14 15:47	14331-83-0	
Bismuth-212	EPA 901.1	**0.181 ± 1.152 (2.164) C:NA T:NA**	pCi/g	12/20/14 15:47	14913-49-6	
Bismuth-214	EPA 901.1	**0.578 ± 0.266 (0.282)**	pCi/g	12/20/14 15:47	14733-03-0	
Lead-210	EPA 901.1	**0.486 ± 1.868 (3.302) C:NA T:NA**	pCi/g	12/20/14 15:47	14255-04-0	
Lead-212	EPA 901.1	**0.760 ± 0.236 (0.208) C:NA T:NA**	pCi/g	12/20/14 15:47	15092-94-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C55 Gannett & Fleming
Pace Project No.: 30135047

Sample: SBFT-6 (5-10) **Lab ID: 30135047002** Collected: 11/18/14 08:56 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Lead-214	EPA 901.1	**0.852 ± 0.248 (0.177)**	pCi/g	12/20/14 15:47	15067-28-4	
Potassium-40	EPA 901.1	**7.659 ± 0.184 (1.225)** **C:NA T:NA**	pCi/g	12/20/14 15:47	13966-00-2	
Protactinium-231	EPA 901.1	**0.000 ± 2.069 (3.986)** **C:NA T:NA**	pCi/g	12/20/14 15:47	14331-85-2	
Protactinium-234M	EPA 901.1	**6.670 ± 9.876 (16.610)** **C:NA T:NA**	pCi/g	12/20/14 15:47	15100-28-4	
Radium-226	EPA 901.1	**0.716 ± 0.208 (0.282)** **C:NA T:NA**	pCi/g	12/20/14 15:47	13982-63-3	
Radium-228	EPA 901.1	**0.919 ± 0.313 (0.503)** **C:NA T:NA**	pCi/g	12/20/14 15:47	15262-20-1	
Thallium-208	EPA 901.1	**0.220 ± 0.089 (0.076)** **C:NA T:NA**	pCi/g	12/20/14 15:47	14913-50-9	
Thorium-234	EPA 901.1	**1.355 ± 0.930 (1.870)** **C:NA T:NA**	pCi/g	12/20/14 15:47	15065-10-8	
Uranium-235	EPA 901.1	**0.212 ± 0.101 (0.108)** **C:NA T:NA**	pCi/g	12/20/14 15:47	15117-96-1	
Thorium-228	HSL-300	**0.938 ± 0.170 (0.041)** **C:NA T:74%**	pCi/g	12/15/14 14:57	14274-82-9	N2
Thorium-230	HSL-300	**0.601 ± 0.115 (0.020)** **C:NA T:74%**	pCi/g	12/15/14 14:57	14269-63-7	N2
Thorium-232	HSL-300	**0.898 ± 0.162 (0.005)** **C:NA T:74%**	pCi/g	12/15/14 14:57	7440-29-1	N2
U-233/234	HSL-300	**0.546 ± 0.092 (0.014)** **C:NA T:109%**	pCi/g	12/16/14 14:55		N2
U-235/236	HSL-300	**0.023 ± 0.014 (0.013)** **C:NA T:109%**	pCi/g	12/16/14 14:55		N2
Uranium-238	HSL-300	**0.518 ± 0.088 (0.014)** **C:NA T:109%**	pCi/g	12/16/14 14:55		N2

Sample: SBFT-6 (10-15) **Lab ID: 30135047003** Collected: 11/18/14 09:05 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.965 ± 0.322 (0.213)** **C:NA T:NA**	pCi/g	12/20/14 16:03	14331-83-0	
Bismuth-212	EPA 901.1	**0.603 ± 0.809 (2.178)** **C:NA T:NA**	pCi/g	12/20/14 16:03	14913-49-6	
Bismuth-214	EPA 901.1	**0.581 ± 0.208 (0.180)**	pCi/g	12/20/14 16:03	14733-03-0	
Lead-210	EPA 901.1	**0.981 ± 1.565 (2.632)** **C:NA T:NA**	pCi/g	12/20/14 16:03	14255-04-0	
Lead-212	EPA 901.1	**0.695 ± 0.190 (0.144)** **C:NA T:NA**	pCi/g	12/20/14 16:03	15092-94-1	
Lead-214	EPA 901.1	**0.819 ± 0.208 (0.115)**	pCi/g	12/20/14 16:03	15067-28-4	
Potassium-40	EPA 901.1	**8.510 ± 2.088 (0.923)** **C:NA T:NA**	pCi/g	12/20/14 16:03	13966-00-2	
Protactinium-231	EPA 901.1	**-0.427 ± 2.265 (4.064)** **C:NA T:NA**	pCi/g	12/20/14 16:03	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.178 ± 7.120 (20.160)** **C:NA T:NA**	pCi/g	12/20/14 16:03	15100-28-4	
Radium-226	EPA 901.1	**0.717 ± 0.181 (0.180)** **C:NA T:NA**	pCi/g	12/20/14 16:03	13982-63-3	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C55 Gannett & Fleming
Pace Project No.: 30135047

Sample: SBFT-6 (10-15) **Lab ID: 30135047003** Collected: 11/18/14 09:05 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radium-228	EPA 901.1	**0.965 ± 0.322 (0.213) C:NA T:NA**	pCi/g	12/20/14 16:03	15262-20-1	
Thallium-208	EPA 901.1	**0.143 ± 0.095 (0.112) C:NA T:NA**	pCi/g	12/20/14 16:03	14913-50-9	
Thorium-234	EPA 901.1	**1.251 ± 0.860 (1.613) C:NA T:NA**	pCi/g	12/20/14 16:03	15065-10-8	
Uranium-235	EPA 901.1	**0.158 ± 0.087 (0.096) C:NA T:NA**	pCi/g	12/20/14 16:03	15117-96-1	
Thorium-228	HSL-300	**0.852 ± 0.162 (0.054) C:NA T:62%**	pCi/g	12/15/14 14:57	14274-82-9	N2
Thorium-230	HSL-300	**0.753 ± 0.143 (0.029) C:NA T:62%**	pCi/g	12/15/14 14:57	14269-63-7	N2
Thorium-232	HSL-300	**0.711 ± 0.136 (0.017) C:NA T:62%**	pCi/g	12/15/14 14:57	7440-29-1	N2
U-233/234	HSL-300	**0.648 ± 0.111 (0.023) C:NA T:103%**	pCi/g	12/16/14 14:55		N2
U-235/236	HSL-300	**0.041 ± 0.020 (0.016) C:NA T:103%**	pCi/g	12/16/14 14:55		N2
Uranium-238	HSL-300	**0.673 ± 0.114 (0.020) C:NA T:103%**	pCi/g	12/16/14 14:55		N2

Sample: SBFT-7 (0-5) **Lab ID: 30135047004** Collected: 11/18/14 09:23 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.108 ± 0.119 (0.395) C:NA T:NA**	pCi/g	12/20/14 16:19	14331-83-0	
Bismuth-212	EPA 901.1	**0.414 ± 0.658 (1.143) C:NA T:NA**	pCi/g	12/20/14 16:19	14913-49-6	
Bismuth-214	EPA 901.1	**0.292 ± 0.131 (0.133)**	pCi/g	12/20/14 16:19	14733-03-0	
Lead-210	EPA 901.1	**0.203 ± 1.178 (2.164) C:NA T:NA**	pCi/g	12/20/14 16:19	14255-04-0	
Lead-212	EPA 901.1	**0.463 ± 0.148 (0.114) C:NA T:NA**	pCi/g	12/20/14 16:19	15092-94-1	
Lead-214	EPA 901.1	**0.404 ± 0.137 (0.098)**	pCi/g	12/20/14 16:19	15067-28-4	
Potassium-40	EPA 901.1	**3.274 ± 1.275 (1.102) C:NA T:NA**	pCi/g	12/20/14 16:19	13966-00-2	
Protactinium-231	EPA 901.1	**-0.593 ± 2.500 (4.459) C:NA T:NA**	pCi/g	12/20/14 16:19	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.445 ± 16.558 (13.070) C:NA T:NA**	pCi/g	12/20/14 16:19	15100-28-4	
Radium-226	EPA 901.1	**0.372 ± 0.100 (0.133) C:NA T:NA**	pCi/g	12/20/14 16:19	13982-63-3	
Radium-228	EPA 901.1	**0.108 ± 0.119 (0.395) C:NA T:NA**	pCi/g	12/20/14 16:19	15262-20-1	
Thallium-208	EPA 901.1	**0.122 ± 0.089 (0.113) C:NA T:NA**	pCi/g	12/20/14 16:19	14913-50-9	
Thorium-234	EPA 901.1	**-0.142 ± 3.613 (1.587) C:NA T:NA**	pCi/g	12/20/14 16:19	15065-10-8	
Uranium-235	EPA 901.1	**0.036 ± 0.054 (0.096) C:NA T:NA**	pCi/g	12/20/14 16:19	15117-96-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C55 Gannett & Fleming
Pace Project No.: 30135047

Sample: SBFT-7 (0-5) **Lab ID: 30135047004** Collected: 11/18/14 09:23 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Thorium-228	HSL-300	**0.323 ± 0.080 (0.066) C:NA T:74%**	pCi/g	12/15/14 14:57	14274-82-9	N2
Thorium-230	HSL-300	**0.185 ± 0.047 (0.023) C:NA T:74%**	pCi/g	12/15/14 14:57	14269-63-7	N2
Thorium-232	HSL-300	**0.281 ± 0.062 (0.014) C:NA T:74%**	pCi/g	12/15/14 14:57	7440-29-1	N2
U-233/234	HSL-300	**0.168 ± 0.048 (0.040) C:NA T:107%**	pCi/g	12/16/14 15:00		N2
U-235/236	HSL-300	**0.005 ± 0.019 (0.037) C:NA T:107%**	pCi/g	12/16/14 15:00		N2
Uranium-238	HSL-300	**0.170 ± 0.046 (0.032) C:NA T:107%**	pCi/g	12/16/14 15:00		N2

Sample: SBFT-7 (5-10) **Lab ID: 30135047005** Collected: 11/18/14 09:35 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.776 ± 0.261 (0.322) C:NA T:NA**	pCi/g	12/22/14 09:37	14331-83-0	
Bismuth-212	EPA 901.1	**-0.131 ± 5.257 (1.977) C:NA T:NA**	pCi/g	12/22/14 09:37	14913-49-6	
Bismuth-214	EPA 901.1	**0.364 ± 0.182 (0.238)**	pCi/g	12/22/14 09:37	14733-03-0	
Lead-210	EPA 901.1	**1.348 ± 1.584 (2.612) C:NA T:NA**	pCi/g	12/22/14 09:37	14255-04-0	
Lead-212	EPA 901.1	**0.675 ± 0.176 (0.132) C:NA T:NA**	pCi/g	12/22/14 09:37	15092-94-1	
Lead-214	EPA 901.1	**0.652 ± 0.207 (0.157)**	pCi/g	12/22/14 09:37	15067-28-4	
Potassium-40	EPA 901.1	**5.999 ± 1.726 (1.061) C:NA T:NA**	pCi/g	12/22/14 09:37	13966-00-2	
Protactinium-231	EPA 901.1	**-0.214 ± 2.194 (4.010) C:NA T:NA**	pCi/g	12/22/14 09:37	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.474 ± 29.630 (13.170) C:NA T:NA**	pCi/g	12/22/14 09:37	15100-28-4	
Radium-226	EPA 901.1	**0.514 ± 0.150 (0.238) C:NA T:NA**	pCi/g	12/22/14 09:37	13982-63-3	
Radium-228	EPA 901.1	**0.776 ± 0.261 (0.322) C:NA T:NA**	pCi/g	12/22/14 09:37	15262-20-1	
Thallium-208	EPA 901.1	**0.204 ± 0.076 (0.051) C:NA T:NA**	pCi/g	12/22/14 09:37	14913-50-9	
Thorium-234	EPA 901.1	**1.116 ± 0.810 (1.323) C:NA T:NA**	pCi/g	12/22/14 09:37	15065-10-8	
Uranium-235	EPA 901.1	**0.111 ± 0.066 (0.085) C:NA T:NA**	pCi/g	12/22/14 09:37	15117-96-1	
Thorium-228	HSL-300	**0.531 ± 0.106 (0.045) C:NA T:71%**	pCi/g	12/15/14 14:57	14274-82-9	N2
Thorium-230	HSL-300	**0.361 ± 0.076 (0.025) C:NA T:71%**	pCi/g	12/15/14 14:57	14269-63-7	N2
Thorium-232	HSL-300	**0.507 ± 0.098 (0.004) C:NA T:71%**	pCi/g	12/15/14 14:57	7440-29-1	N2
U-233/234	HSL-300	**0.364 ± 0.073 (0.024) C:NA T:114%**	pCi/g	12/16/14 15:00		N2

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C55 Gannett & Fleming
Pace Project No.: 30135047

Sample: SBFT-7 (5-10) **Lab ID: 30135047005** Collected: 11/18/14 09:35 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
U-235/236	HSL-300	**0.026 ± 0.021 (0.029) C:NA T:114%**	pCi/g	12/16/14 15:00		N2
Uranium-238	HSL-300	**0.357 ± 0.072 (0.024) C:NA T:114%**	pCi/g	12/16/14 15:00		N2

Sample: SBFT-8 (0-5) **Lab ID: 30135047006** Collected: 11/18/14 10:31 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**1.347 ± 0.407 (0.180) C:NA T:NA**	pCi/g	12/22/14 10:00	14331-83-0	
Bismuth-212	EPA 901.1	**0.595 ± 0.786 (1.337) C:NA T:NA**	pCi/g	12/22/14 10:00	14913-49-6	
Bismuth-214	EPA 901.1	**0.817 ± 0.261 (0.195)**	pCi/g	12/22/14 10:00	14733-03-0	
Lead-210	EPA 901.1	**1.301 ± 1.626 (2.693) C:NA T:NA**	pCi/g	12/22/14 10:00	14255-04-0	
Lead-212	EPA 901.1	**1.043 ± 0.224 (0.154) C:NA T:NA**	pCi/g	12/22/14 10:00	15092-94-1	
Lead-214	EPA 901.1	**1.210 ± 0.260 (0.090)**	pCi/g	12/22/14 10:00	15067-28-4	
Potassium-40	EPA 901.1	**10.566 ± 2.400 (1.000) C:NA T:NA**	pCi/g	12/22/14 10:00	13966-00-2	
Protactinium-231	EPA 901.1	**2.596 ± 2.442 (3.799) C:NA T:NA**	pCi/g	12/22/14 10:00	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.685 ± 27.395 (20.250) C:NA T:NA**	pCi/g	12/22/14 10:00	15100-28-4	
Radium-226	EPA 901.1	**0.973 ± 0.207 (0.195) C:NA T:NA**	pCi/g	12/22/14 10:00	13982-63-3	
Radium-228	EPA 901.1	**1.347 ± 0.407 (0.180) C:NA T:NA**	pCi/g	12/22/14 10:00	15262-20-1	
Thallium-208	EPA 901.1	**0.308 ± 0.095 (0.048) C:NA T:NA**	pCi/g	12/22/14 10:00	14913-50-9	
Thorium-234	EPA 901.1	**0.876 ± 0.985 (1.908) C:NA T:NA**	pCi/g	12/22/14 10:00	15065-10-8	
Uranium-235	EPA 901.1	**0.199 ± 0.091 (0.097) C:NA T:NA**	pCi/g	12/22/14 10:00	15117-96-1	
Thorium-228	HSL-300	**1.18 ± 0.220 (0.068) C:NA T:49%**	pCi/g	12/15/14 14:57	14274-82-9	N2
Thorium-230	HSL-300	**0.870 ± 0.168 (0.042) C:NA T:49%**	pCi/g	12/15/14 14:57	14269-63-7	N2
Thorium-232	HSL-300	**1.16 ± 0.213 (0.007) C:NA T:49%**	pCi/g	12/15/14 14:57	7440-29-1	N2
U-233/234	HSL-300	**0.667 ± 0.130 (0.043) C:NA T:79%**	pCi/g	12/16/14 15:00		N2
U-235/236	HSL-300	**0.033 ± 0.025 (0.027) C:NA T:79%**	pCi/g	12/16/14 15:00		N2
Uranium-238	HSL-300	**0.770 ± 0.143 (0.021) C:NA T:79%**	pCi/g	12/16/14 15:00		N2

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C55 Gannett & Fleming
Pace Project No.: 30135047

Sample: SBFT-8 (5-10) **Lab ID: 30135047007** Collected: 11/18/14 10:40 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.942 ± 0.246 (0.328)** **C:NA T:NA**	pCi/g	12/22/14 10:16	14331-83-0	
Bismuth-212	EPA 901.1	**0.156 ± 0.901 (1.700)** **C:NA T:NA**	pCi/g	12/22/14 10:16	14913-49-6	
Bismuth-214	EPA 901.1	**0.862 ± 0.224 (0.110)**	pCi/g	12/22/14 10:16	14733-03-0	
Lead-210	EPA 901.1	**-0.584 ± 3.411 (2.962)** **C:NA T:NA**	pCi/g	12/22/14 10:16	14255-04-0	
Lead-212	EPA 901.1	**0.742 ± 0.193 (0.161)** **C:NA T:NA**	pCi/g	12/22/14 10:16	15092-94-1	
Lead-214	EPA 901.1	**0.956 ± 0.243 (0.147)**	pCi/g	12/22/14 10:16	15067-28-4	
Potassium-40	EPA 901.1	**10.688 ± 2.447 (1.297)** **C:NA T:NA**	pCi/g	12/22/14 10:16	13966-00-2	
Protactinium-231	EPA 901.1	**1.666 ± 1.917 (4.006)** **C:NA T:NA**	pCi/g	12/22/14 10:16	14331-85-2	
Protactinium-234M	EPA 901.1	**2.446 ± 7.551 (13.990)** **C:NA T:NA**	pCi/g	12/22/14 10:16	15100-28-4	
Radium-226	EPA 901.1	**0.928 ± 0.234 (0.110)** **C:NA T:NA**	pCi/g	12/22/14 10:16	13982-63-3	
Radium-228	EPA 901.1	**0.942 ± 0.246 (0.328)** **C:NA T:NA**	pCi/g	12/22/14 10:16	15262-20-1	
Thallium-208	EPA 901.1	**0.266 ± 0.093 (0.070)** **C:NA T:NA**	pCi/g	12/22/14 10:16	14913-50-9	
Thorium-234	EPA 901.1	**2.281 ± 0.983 (1.563)** **C:NA T:NA**	pCi/g	12/22/14 10:16	15065-10-8	
Uranium-235	EPA 901.1	**0.195 ± 0.111 (0.109)** **C:NA T:NA**	pCi/g	12/22/14 10:16	15117-96-1	
Thorium-228	HSL-300	**0.783 ± 0.151 (0.051)** **C:NA T:59%**	pCi/g	12/15/14 14:57	14274-82-9	N2
Thorium-230	HSL-300	**0.782 ± 0.148 (0.025)** **C:NA T:59%**	pCi/g	12/15/14 14:57	14269-63-7	N2
Thorium-232	HSL-300	**0.766 ± 0.145 (0.006)** **C:NA T:59%**	pCi/g	12/15/14 14:57	7440-29-1	N2
U-233/234	HSL-300	**0.638 ± 0.118 (0.039)** **C:NA T:95%**	pCi/g	12/16/14 15:00		N2
U-235/236	HSL-300	**0.032 ± 0.023 (0.027)** **C:NA T:95%**	pCi/g	12/16/14 15:00		N2
Uranium-238	HSL-300	**0.710 ± 0.128 (0.027)** **C:NA T:95%**	pCi/g	12/16/14 15:00		N2

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 1411C55 Gannett & Fleming
Pace Project No.: 30135047

QC Batch: RADC/22459 Analysis Method: HSL-300
QC Batch Method: HSL-300 Analysis Description: HSL300(AS) Actinides
Associated Lab Samples: 30135046001, 30135047002, 30135047003, 30135047004, 30135047005, 30135047006, 30135047007

METHOD BLANK: 825438 Matrix: Solid
Associated Lab Samples: 30135046001, 30135047002, 30135047003, 30135047004, 30135047005, 30135047006, 30135047007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Thorium-228	0.021 ± 0.034 (0.054) C:NA T:82%	pCi/g	12/15/14 14:57	N2
Thorium-230	-0.002 ± 0.012 (0.024) C:NA T:82%	pCi/g	12/15/14 14:57	N2
Thorium-232	-0.005 ± 0.008 (0.019) C:NA T:82%	pCi/g	12/15/14 14:57	N2
U-233/234	0.027 ± 0.015 (0.017) C:NA T:112%	pCi/g	12/16/14 14:55	N2
U-235/236	0.010 ± 0.009 (0.005) C:NA T:112%	pCi/g	12/16/14 14:55	N2
Uranium-238	0.011 ± 0.011 (0.016) C:NA T:112%	pCi/g	12/16/14 14:55	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 1411C55 Gannett & Fleming
Pace Project No.: 30135047

QC Batch:	RADC/22481	Analysis Method:	EPA 901.1
QC Batch Method:	EPA 901.1	Analysis Description:	901.1 Gamma Spec Ingrowth

Associated Lab Samples: 30135047005, 30135047006, 30135047007

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 1411C55 Gannett & Fleming
Pace Project No.: 30135047

QC Batch:	RADC/22453	Analysis Method:	EPA 901.1
QC Batch Method:	EPA 901.1	Analysis Description:	901.1 Gamma Spec Ingrowth

Associated Lab Samples: 30135046001, 30135047002, 30135047003, 30135047004

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Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: 1411C55 Gannett & Fleming
Pace Project No.: 30135047

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2 The lab does not hold TNI accreditation for this parameter.

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Pace Analytical™

CHAIN OF CUSTODY RECORD

Omega COCID 2185 | PAGE: 1 | OF: 2

ADDRESS
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575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040
FAX: (631) 420-8436
Website: www.pacelabs.com

ASR-0553

SUB CONTRATOR:	PACE-Pennsylvania	COMPANY:	Pace Analytical Service, Inc.
ADDRESS:	1638 Roseytown Road Suites 2,3,&4		
CITY, STATE, ZIP:	Greensburg, PA 15601		
PHONE:	(724) 850-5600	FAX:	(724) 850-5601
ACCOUNT #:		EMAIL:	

SPECIAL INSTRUCTIONS / COMMENTS:

Please analyze for Uranium, Thorium, and Gamma Spec. If you have any questions, please contact Jennifer Aracri at ext. 1211. Note: fractions D and E share the same 8 oz jar. Thanks!!

30135047

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
1	1411C55-001D	SBFT-6 (0-5)	8-ozJAR	Soil	11/18/2014 8:45:00 AM	1	Uranium, Gamma Spec 001
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
2	1411C55-001E	SBFT-6 (0-5)	8-ozJAR	Soil	11/18/2014 8:45:00 AM	1	Thorium
	SUBCONTRACT (SUB)						
3	1411C55-002D	SBFT-6 (5-10)	8-ozJAR	Soil	11/18/2014 8:56:00 AM	1	Uranium, Gamma Spec 002
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
4	1411C55-002E	SBFT-6 (5-10)	8-ozJAR	Soil	11/18/2014 8:56:00 AM	1	Thorium
	SUBCONTRACT (SUB)						
5	1411C55-003D	SBFT-6 (10-15)	8-ozJAR	Soil	11/18/2014 9:05:00 AM	1	Uranium, Gamma Spec 003
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
6	1411C55-003E	SBFT-6 (10-15)	8-ozJAR	Soil	11/18/2014 9:05:00 AM	1	Thorium
	SUBCONTRACT (SUB)						
7	1411C55-004D	SBFT-7 (0-5)	8-ozJAR	Soil	11/18/2014 9:23:00 AM	1	Uranium, Gamma Spec 004
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
8	1411C55-004E	SBFT-7 (0-5)	8-ozJAR	Soil	11/18/2014 9:23:00 AM	1	Thorium
	SUBCONTRACT (SUB)						
9	1411C55-005D	SBFT-7 (5-10)	8-ozJAR	Soil	11/18/2014 9:35:00 AM	1	Uranium, Gamma Spec 005
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						

Relinquished By: [signature]	Date: 11-21-14	Time: 1800	Received By: Alma R. Muchoney	Date: 11/22/14	Time: 1115
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:

☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples 2.5 °C Attempt to Cool ? _____

Comments: _____

CHAIN OF CUSTODY RECORD

Omega COCID 2185 | PAGE: 2 | OF: 2

ADDRESS
PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040
FAX: (631) 420-8436
Website: www.pacelabs.com

SUB CONTRATOR: **PACE-Pennsylvania** COMPANY: **Pace Analytical Service, Inc.**
ADDRESS: **1638 Roseytown Road Suites 2,3,&4**
CITY, STATE, ZIP: **Greensburg, PA 15601**
PHONE: **(724) 850-5600** FAX: **(724) 850-5601**
ACCOUNT #: EMAIL:

SPECIAL INSTRUCTIONS / COMMENTS:
Please analyze for Uranium, Thorium, and Gamma Spec. If you have any questions, please contact Jennifer Aracri at ext. 1211.
Note: fractions D and E share the same 8 oz jar. Thanks!!

30135047

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
10	1411C55-005E	SBFT-7 (5-10)	8-ozJAR	Soil	11/18/2014 9:35:00 AM	1	Thorium 005
	SUBCONTRACT (SUB)						
11	1411C55-006D	SBFT-8 (0-5)	8-ozJAR	Soil	11/18/2014 10:31:00 AM	1	Uranium, Gamma Spec 006
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
12	1411C55-006E	SBFT-8 (0-5)	8-ozJAR	Soil	11/18/2014 10:31:00 AM	1	Thorium
	SUBCONTRACT (SUB)						
13	1411C55-007D	SBFT-8 (5-10)	8-ozJAR	Soil	11/18/2014 10:40:00 AM	1	Uranium, Gamma Spec 007
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
14	1411C55-007E	SBFT-8 (5-10)	8-ozJAR	Soil	11/18/2014 10:40:00 AM	1	Thorium
	SUBCONTRACT (SUB)						

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	11-21-14	1800	Alyna R. Muchorey	11/21/14	1115
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ **RUSH** Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples 2.5 °C Attempt to Cool ? _____
Comments: _____

Sample Condition Upon Receipt

Pace Analytical

Client Name: Pace L.I.

Project # 30135047

ARM

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 7719 5452 4805

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no **Biological Tissue is Frozen:** Yes No

Packing Material: Bubble Wrap ✓ Bubble Bags ✓ None ____ Other _____

Thermometer Used 8 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temp.: Observed Temp.: 2.6 °C **Correction Factor:** -0.1 °C **Final Temp:** 2.5 °C

Date and Initials of person examining contents: ARM 11/22/14

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☑No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☐Yes ☑No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SL		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☑No	Initial when completed ARM / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Carmen Santo **Date:** 11/24/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical

30135047

Project Number: _____

Client Name: Pace L.I.

Item No.	Matrix Code	Glass Jar (120 / 250 / 500 / 1L)	Soil kit (2 SB, 1M, soil jar)	Chemistry (250 / 500 / 1L)	Organics (1L)	Nutrient (250 / 500)	Phenolics (250 ml)	TOC (40 ml / 250 ml)	TOX (250 ml)	Total Metals	Dissolved Metals preserved Y N	O & G (1L)	TPH (1L)	VOA (40 ml 30 ml)	Cyanide (250 ml)	Sulfide (500 ml)	Bacteria (120 ml)	Wipes / swipe/ smear/ filter	Radchem Nalgene (125 / 250 / 500 / 1L)	Radchem Nalgene (1/2 gal. / 1 gal.L)	Cubitainer (500 ml / 4L)	Ziploc	Other	Other
001	SL	1																						
007	SL	1																						

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 8:45:00 AM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C55-001
Client Sample ID: SBFT-6 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/20/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/16/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 12/22/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 8:56:00 AM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C55-002
Client Sample ID: SBFT-6 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/20/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/16/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 9:05:00 AM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C55-003
Client Sample ID: SBFT-6 (10-15)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/20/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/16/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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c = Calibration acceptability criteria exceeded for this analyte
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J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 9:23:00 AM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C55-004
Client Sample ID: SBFT-7 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/20/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/16/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 9:35:00 AM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C55-005
Client Sample ID: SBFT-7 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/22/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/16/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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LABORATORY RESULTS

Results for the samples and analytes requested

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 10:31:00 AM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C55-006
Client Sample ID: SBFT-8 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/22/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/16/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 10:40:00 AM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C55-007
Client Sample ID: SBFT-8 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/15/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/22/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/16/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
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r = Reporting limit > MDL and < LOQ, Value estimated.
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N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 12/22/2014

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF** Date and Time Received: **11/18/2014 5:00:00 PM**

Work Order Number: **1411C55** RcptNo: **1** Received by **MelissaWatson**

Completed by: Reviewed by:

Completed Date: 11/24/2014 12:55:03 PM Reviewed Date: 11/24/2014 8:22:45 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	3.4 º
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1411C55

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

December 31, 2014

Ms. Jennifer Aracri
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747

RE: Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

Dear Ms. Aracri:
Enclosed are the analytical results for sample(s) received by the laboratory on November 22, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

This report has been reissued on December 31, 2014. Samples IDs were changed to the client sample ID as per sample request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
Project Manager

Enclosures

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

Pennsylvania Certification IDs
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ACLASS DOD-ELAP Accreditation #: ADE-1544
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/TNI Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana DHH/TNI Certification #: LA140008
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: PA00091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188
Utah/TNI Certification #: PA014572014-4
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30135051001	**SBFT-9 (0-5)**	Solid	11/18/14 11:50	11/22/14 11:15
30135051002	**SBFT-9 (5-10)**	Solid	11/18/14 12:00	11/22/14 11:15
30135051003	**SBFT-10 (0-5)**	Solid	11/18/14 12:14	11/22/14 11:15
30135051004	**SBFT-10 (5-10)**	Solid	11/18/14 12:27	11/22/14 11:15
30135051005	**SBFT-11 (0-5)**	Solid	11/18/14 12:40	11/22/14 11:15
30135051006	**SBFT-11 (5-10)**	Solid	11/18/14 12:51	11/22/14 11:15
30135051007	**SBFT-11 (10-15)**	Solid	11/18/14 13:02	11/22/14 11:15
30135051008	**SBFT-11 (15-20)**	Solid	11/18/14 13:09	11/22/14 11:15
30135051009	**SBFT-11 (20-25)**	Solid	11/18/14 13:18	11/22/14 11:15
30135051010	**SBFT-12 (0-5)**	Solid	11/18/14 14:00	11/22/14 11:15
30135051011	**SBFT-13 (0-5)**	Solid	11/18/14 13:35	11/22/14 11:15

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Greensburg, PA 15601
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SAMPLE ANALYTE COUNT

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30135051001	**SBFT-9 (0-5)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135051002	**SBFT-9 (5-10)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135051003	**SBFT-10 (0-5)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135051004	**SBFT-10 (5-10)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135051005	**SBFT-11 (0-5)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135051006	**SBFT-11 (5-10)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135051007	**SBFT-11 (10-15)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135051008	**SBFT-11 (15-20)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135051009	**SBFT-11 (20-25)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135051010	**SBFT-12 (0-5)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135051011	**SBFT-13 (0-5)**	EPA 901.1	MAH	14
		HSL-300	MBT	6

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

Sample: SBFT-9 (0-5) **Lab ID: 30135051001** Collected: 11/18/14 11:50 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.883 ± 0.321 (0.225) C:NA T:NA**	pCi/g	12/20/14 12:34	14331-83-0	
Bismuth-212	EPA 901.1	**1.134 ± 1.017 (1.538) C:NA T:NA**	pCi/g	12/20/14 12:34	14913-49-6	
Bismuth-214	EPA 901.1	**0.685 ± 0.224 (0.171)**	pCi/g	12/20/14 12:34	14733-03-0	
Lead-210	EPA 901.1	**1.624 ± 1.457 (2.277) C:NA T:NA**	pCi/g	12/20/14 12:34	14255-04-0	
Lead-212	EPA 901.1	**0.891 ± 0.197 (0.120) C:NA T:NA**	pCi/g	12/20/14 12:34	15092-94-1	
Lead-214	EPA 901.1	**0.487 ± 0.168 (0.141)**	pCi/g	12/20/14 12:34	15067-28-4	
Potassium-40	EPA 901.1	**5.699 ± 1.740 (1.323) C:NA T:NA**	pCi/g	12/20/14 12:34	13966-00-2	
Protactinium-231	EPA 901.1	**-0.728 ± 2.455 (4.332) C:NA T:NA**	pCi/g	12/20/14 12:34	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.189 ± 7.544 (21.360) C:NA T:NA**	pCi/g	12/20/14 12:34	15100-28-4	
Radium-226	EPA 901.1	**0.659 ± 0.216 (0.171) C:NA T:NA**	pCi/g	12/20/14 12:34	13982-63-3	
Radium-228	EPA 901.1	**0.883 ± 0.321 (0.225) C:NA T:NA**	pCi/g	12/20/14 12:34	15262-20-1	
Thallium-208	EPA 901.1	**0.289 ± 0.093 (0.060) C:NA T:NA**	pCi/g	12/20/14 12:34	14913-50-9	
Thorium-234	EPA 901.1	**0.525 ± 0.452 (2.020) C:NA T:NA**	pCi/g	12/20/14 12:34	15065-10-8	
Uranium-235	EPA 901.1	**0.063 ± 0.058 (0.096) C:NA T:NA**	pCi/g	12/20/14 12:34	15117-96-1	
Thorium-228	HSL-300	**1.16 ± 0.215 (0.065) C:NA T:51%**	pCi/g	12/19/14 14:24	14274-82-9	N2
Thorium-230	HSL-300	**0.668 ± 0.132 (0.029) C:NA T:51%**	pCi/g	12/19/14 14:24	14269-63-7	N2
Thorium-232	HSL-300	**0.997 ± 0.184 (0.006) C:NA T:51%**	pCi/g	12/19/14 14:24	7440-29-1	N2
U-233/234	HSL-300	**0.691 ± 0.138 (0.061) C:NA T:53%**	pCi/g	12/18/14 20:03		N2
U-235/236	HSL-300	**0.012 ± 0.018 (0.029) C:NA T:53%**	pCi/g	12/18/14 20:03		N2
Uranium-238	HSL-300	**0.699 ± 0.136 (0.028) C:NA T:53%**	pCi/g	12/18/14 20:03		N2

Sample: SBFT-9 (5-10) **Lab ID: 30135051002** Collected: 11/18/14 12:00 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.652 ± 0.260 (0.388) C:NA T:NA**	pCi/g	12/20/14 12:50	14331-83-0	
Bismuth-212	EPA 901.1	**0.468 ± 0.741 (1.278) C:NA T:NA**	pCi/g	12/20/14 12:50	14913-49-6	
Bismuth-214	EPA 901.1	**0.791 ± 0.222 (0.129)**	pCi/g	12/20/14 12:50	14733-03-0	
Lead-210	EPA 901.1	**1.507 ± 1.474 (2.340) C:NA T:NA**	pCi/g	12/20/14 12:50	14255-04-0	
Lead-212	EPA 901.1	**0.877 ± 0.202 (0.151) C:NA T:NA**	pCi/g	12/20/14 12:50	15092-94-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

Sample: SBFT-9 (5-10) **Lab ID: 30135051002** Collected: 11/18/14 12:00 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Lead-214	EPA 901.1	**0.684 ± 0.216 (0.171)**	pCi/g	12/20/14 12:50	15067-28-4	
Potassium-40	EPA 901.1	**7.965 ± 2.144 (1.474)** **C:NA T:NA**	pCi/g	12/20/14 12:50	13966-00-2	
Protactinium-231	EPA 901.1	**-0.585 ± 2.667 (4.736)** **C:NA T:NA**	pCi/g	12/20/14 12:50	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.193 ± 7.709 (6.653)** **C:NA T:NA**	pCi/g	12/20/14 12:50	15100-28-4	
Radium-226	EPA 901.1	**0.743 ± 0.188 (0.129)** **C:NA T:NA**	pCi/g	12/20/14 12:50	13982-63-3	
Radium-228	EPA 901.1	**0.652 ± 0.260 (0.388)** **C:NA T:NA**	pCi/g	12/20/14 12:50	15262-20-1	
Thallium-208	EPA 901.1	**0.267 ± 0.090 (0.062)** **C:NA T:NA**	pCi/g	12/20/14 12:50	14913-50-9	
Thorium-234	EPA 901.1	**0.890 ± 0.976 (1.611)** **C:NA T:NA**	pCi/g	12/20/14 12:50	15065-10-8	
Uranium-235	EPA 901.1	**0.057 ± 0.069 (0.117)** **C:NA T:NA**	pCi/g	12/20/14 12:50	15117-96-1	
Thorium-228	HSL-300	**0.976 ± 0.181 (0.061)** **C:NA T:51%**	pCi/g	12/19/14 14:24	14274-82-9	N2
Thorium-230	HSL-300	**0.609 ± 0.117 (0.016)** **C:NA T:51%**	pCi/g	12/19/14 14:24	14269-63-7	N2
Thorium-232	HSL-300	**0.818 ± 0.151 (0.016)** **C:NA T:51%**	pCi/g	12/19/14 14:24	7440-29-1	N2
U-233/234	HSL-300	**0.630 ± 0.125 (0.039)** **C:NA T:54%**	pCi/g	12/18/14 20:03		N2
U-235/236	HSL-300	**0.040 ± 0.028 (0.031)** **C:NA T:54%**	pCi/g	12/18/14 20:03		N2
Uranium-238	HSL-300	**0.599 ± 0.121 (0.041)** **C:NA T:54%**	pCi/g	12/18/14 20:03		N2

Sample: SBFT-10 (0-5) **Lab ID: 30135051003** Collected: 11/18/14 12:14 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.591 ± 0.290 (0.519)** **C:NA T:NA**	pCi/g	12/20/14 13:06	14331-83-0	
Bismuth-212	EPA 901.1	**-0.046 ± 1.823 (0.733)** **C:NA T:NA**	pCi/g	12/20/14 13:06	14913-49-6	
Bismuth-214	EPA 901.1	**0.859 ± 0.240 (0.138)**	pCi/g	12/20/14 13:06	14733-03-0	
Lead-210	EPA 901.1	**0.772 ± 1.524 (2.621)** **C:NA T:NA**	pCi/g	12/20/14 13:06	14255-04-0	
Lead-212	EPA 901.1	**0.837 ± 0.224 (0.174)** **C:NA T:NA**	pCi/g	12/20/14 13:06	15092-94-1	
Lead-214	EPA 901.1	**0.857 ± 0.249 (0.183)**	pCi/g	12/20/14 13:06	15067-28-4	
Potassium-40	EPA 901.1	**8.233 ± 2.307 (1.823)** **C:NA T:NA**	pCi/g	12/20/14 13:06	13966-00-2	
Protactinium-231	EPA 901.1	**1.606 ± 2.182 (3.594)** **C:NA T:NA**	pCi/g	12/20/14 13:06	14331-85-2	
Protactinium-234M	EPA 901.1	**-2.297 ± 12.203 (18.870)** **C:NA T:NA**	pCi/g	12/20/14 13:06	15100-28-4	
Radium-226	EPA 901.1	**0.906 ± 0.234 (0.138)** **C:NA T:NA**	pCi/g	12/20/14 13:06	13982-63-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

Sample: SBFT-10 (0-5) **Lab ID: 30135051003** Collected: 11/18/14 12:14 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radium-228	EPA 901.1	**0.591 ± 0.290 (0.519) C:NA T:NA**	pCi/g	12/20/14 13:06	15262-20-1	
Thallium-208	EPA 901.1	**0.319 ± 0.115 (0.092) C:NA T:NA**	pCi/g	12/20/14 13:06	14913-50-9	
Thorium-234	EPA 901.1	**0.611 ± 1.150 (1.971) C:NA T:NA**	pCi/g	12/20/14 13:06	15065-10-8	
Uranium-235	EPA 901.1	**0.165 ± 0.095 (0.104) C:NA T:NA**	pCi/g	12/20/14 13:06	15117-96-1	
Thorium-228	HSL-300	**1.05 ± 0.194 (0.059) C:NA T:57%**	pCi/g	12/19/14 14:24	14274-82-9	N2
Thorium-230	HSL-300	**0.579 ± 0.114 (0.027) C:NA T:57%**	pCi/g	12/19/14 14:24	14269-63-7	N2
Thorium-232	HSL-300	**0.902 ± 0.166 (0.021) C:NA T:57%**	pCi/g	12/19/14 14:24	7440-29-1	N2
U-233/234	HSL-300	**0.658 ± 0.120 (0.035) C:NA T:78%**	pCi/g	12/19/14 14:22		N2
U-235/236	HSL-300	**0.042 ± 0.025 (0.027) C:NA T:78%**	pCi/g	12/19/14 14:22		N2
Uranium-238	HSL-300	**0.605 ± 0.112 (0.030) C:NA T:78%**	pCi/g	12/19/14 14:22		N2

Sample: SBFT-10 (5-10) **Lab ID: 30135051004** Collected: 11/18/14 12:27 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.460 ± 0.292 (0.513) C:NA T:NA**	pCi/g	12/20/14 13:22	14331-83-0	
Bismuth-212	EPA 901.1	**0.149 ± 1.097 (2.085) C:NA T:NA**	pCi/g	12/20/14 13:22	14913-49-6	
Bismuth-214	EPA 901.1	**0.526 ± 0.190 (0.160)**	pCi/g	12/20/14 13:22	14733-03-0	
Lead-210	EPA 901.1	**-0.149 ± 17.239 (3.203) C:NA T:NA**	pCi/g	12/20/14 13:22	14255-04-0	
Lead-212	EPA 901.1	**0.815 ± 0.202 (0.159) C:NA T:NA**	pCi/g	12/20/14 13:22	15092-94-1	
Lead-214	EPA 901.1	**0.521 ± 0.212 (0.193)**	pCi/g	12/20/14 13:22	15067-28-4	
Potassium-40	EPA 901.1	**-0.326 ± 13.045 (5.319) C:NA T:NA**	pCi/g	12/20/14 13:22	13966-00-2	
Protactinium-231	EPA 901.1	**1.349 ± 2.396 (4.095) C:NA T:NA**	pCi/g	12/20/14 13:22	14331-85-2	
Protactinium-234M	EPA 901.1	**2.399 ± 5.842 (11.160) C:NA T:NA**	pCi/g	12/20/14 13:22	15100-28-4	
Radium-226	EPA 901.1	**0.521 ± 0.188 (0.160) C:NA T:NA**	pCi/g	12/20/14 13:22	13982-63-3	
Radium-228	EPA 901.1	**0.460 ± 0.292 (0.513) C:NA T:NA**	pCi/g	12/20/14 13:22	15262-20-1	
Thallium-208	EPA 901.1	**0.198 ± 0.097 (0.113) C:NA T:NA**	pCi/g	12/20/14 13:22	14913-50-9	
Thorium-234	EPA 901.1	**0.876 ± 0.783 (1.846) C:NA T:NA**	pCi/g	12/20/14 13:22	15065-10-8	
Uranium-235	EPA 901.1	**0.139 ± 0.112 (0.131) C:NA T:NA**	pCi/g	12/20/14 13:22	15117-96-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

Sample: SBFT-10 (5-10) **Lab ID: 30135051004** Collected: 11/18/14 12:27 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Thorium-228	HSL-300	**0.706 ± 0.145 (0.081) C:NA T:64%**	pCi/g	12/19/14 14:27	14274-82-9	N2
Thorium-230	HSL-300	**0.589 ± 0.121 (0.054) C:NA T:64%**	pCi/g	12/19/14 14:27	14269-63-7	N2
Thorium-232	HSL-300	**0.643 ± 0.128 (0.039) C:NA T:64%**	pCi/g	12/19/14 14:27	7440-29-1	N2
U-233/234	HSL-300	**0.574 ± 0.111 (0.043) C:NA T:69%**	pCi/g	12/19/14 14:22		N2
U-235/236	HSL-300	**0.026 ± 0.022 (0.029) C:NA T:69%**	pCi/g	12/19/14 14:22		N2
Uranium-238	HSL-300	**0.623 ± 0.116 (0.006) C:NA T:69%**	pCi/g	12/19/14 14:22		N2

Sample: SBFT-11 (0-5) **Lab ID: 30135051005** Collected: 11/18/14 12:40 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.523 ± 0.234 (0.482) C:NA T:NA**	pCi/g	12/20/14 13:38	14331-83-0	
Bismuth-212	EPA 901.1	**0.009 ± 0.828 (1.607) C:NA T:NA**	pCi/g	12/20/14 13:38	14913-49-6	
Bismuth-214	EPA 901.1	**0.300 ± 0.169 (0.216)**	pCi/g	12/20/14 13:38	14733-03-0	
Lead-210	EPA 901.1	**0.142 ± 1.368 (2.467) C:NA T:NA**	pCi/g	12/20/14 13:38	14255-04-0	
Lead-212	EPA 901.1	**0.797 ± 0.187 (0.157) C:NA T:NA**	pCi/g	12/20/14 13:38	15092-94-1	
Lead-214	EPA 901.1	**0.468 ± 0.168 (0.184)**	pCi/g	12/20/14 13:38	15067-28-4	
Potassium-40	EPA 901.1	**7.871 ± 1.985 (0.920) C:NA T:NA**	pCi/g	12/20/14 13:38	13966-00-2	
Protactinium-231	EPA 901.1	**-1.035 ± 2.539 (4.390) C:NA T:NA**	pCi/g	12/20/14 13:38	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.178 ± 7.101 (14.940) C:NA T:NA**	pCi/g	12/20/14 13:38	15100-28-4	
Radium-226	EPA 901.1	**0.450 ± 0.142 (0.216) C:NA T:NA**	pCi/g	12/20/14 13:38	13982-63-3	
Radium-228	EPA 901.1	**0.523 ± 0.234 (0.482) C:NA T:NA**	pCi/g	12/20/14 13:38	15262-20-1	
Thallium-208	EPA 901.1	**0.192 ± 0.085 (0.076) C:NA T:NA**	pCi/g	12/20/14 13:38	14913-50-9	
Thorium-234	EPA 901.1	**1.125 ± 0.806 (1.560) C:NA T:NA**	pCi/g	12/20/14 13:38	15065-10-8	
Uranium-235	EPA 901.1	**0.083 ± 0.067 (0.107) C:NA T:NA**	pCi/g	12/20/14 13:38	15117-96-1	
Thorium-228	HSL-300	**0.515 ± 0.111 (0.057) C:NA T:67%**	pCi/g	12/19/14 14:27	14274-82-9	N2
Thorium-230	HSL-300	**0.315 ± 0.074 (0.034) C:NA T:67%**	pCi/g	12/19/14 14:27	14269-63-7	N2
Thorium-232	HSL-300	**0.418 ± 0.090 (0.023) C:NA T:67%**	pCi/g	12/19/14 14:27	7440-29-1	N2
U-233/234	HSL-300	**0.599 ± 0.116 (0.042) C:NA T:63%**	pCi/g	12/19/14 14:22		N2

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

Sample: SBFT-11 (0-5) **Lab ID: 30135051005** Collected: 11/18/14 12:40 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
U-235/236	HSL-300	**0.037 ± 0.024 (0.024) C:NA T:63%**	pCi/g	12/19/14 14:22		N2
Uranium-238	HSL-300	**0.553 ± 0.109 (0.031) C:NA T:63%**	pCi/g	12/19/14 14:22		N2

Sample: SBFT-11 (5-10) **Lab ID: 30135051006** Collected: 11/18/14 12:51 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**1.369 ± 0.350 (0.225) C:NA T:NA**	pCi/g	12/20/14 13:55	14331-83-0	
Bismuth-212	EPA 901.1	**0.695 ± 0.961 (1.603) C:NA T:NA**	pCi/g	12/20/14 13:55	14913-49-6	
Bismuth-214	EPA 901.1	**0.954 ± 0.247 (0.126)**	pCi/g	12/20/14 13:55	14733-03-0	
Lead-210	EPA 901.1	**-0.158 ± 5.854 (2.637) C:NA T:NA**	pCi/g	12/20/14 13:55	14255-04-0	
Lead-212	EPA 901.1	**1.099 ± 0.235 (0.154) C:NA T:NA**	pCi/g	12/20/14 13:55	15092-94-1	
Lead-214	EPA 901.1	**0.802 ± 0.225 (0.167)**	pCi/g	12/20/14 13:55	15067-28-4	
Potassium-40	EPA 901.1	**7.754 ± 2.120 (1.571) C:NA T:NA**	pCi/g	12/20/14 13:55	13966-00-2	
Protactinium-231	EPA 901.1	**1.188 ± 2.310 (3.957) C:NA T:NA**	pCi/g	12/20/14 13:55	14331-85-2	
Protactinium-234M	EPA 901.1	**-2.249 ± 11.115 (17.340) C:NA T:NA**	pCi/g	12/20/14 13:55	15100-28-4	
Radium-226	EPA 901.1	**0.924 ± 0.183 (0.126) C:NA T:NA**	pCi/g	12/20/14 13:55	13982-63-3	
Radium-228	EPA 901.1	**1.369 ± 0.350 (0.225) C:NA T:NA**	pCi/g	12/20/14 13:55	15262-20-1	
Thallium-208	EPA 901.1	**0.326 ± 0.101 (0.060) C:NA T:NA**	pCi/g	12/20/14 13:55	14913-50-9	
Thorium-234	EPA 901.1	**1.280 ± 0.761 (1.889) C:NA T:NA**	pCi/g	12/20/14 13:55	15065-10-8	
Uranium-235	EPA 901.1	**0.052 ± 0.065 (0.110) C:NA T:NA**	pCi/g	12/20/14 13:55	15117-96-1	
Thorium-228	HSL-300	**1.32 ± 0.254 (0.104) C:NA T:45%**	pCi/g	12/19/14 14:27	14274-82-9	N2
Thorium-230	HSL-300	**0.803 ± 0.165 (0.060) C:NA T:45%**	pCi/g	12/19/14 14:27	14269-63-7	N2
Thorium-232	HSL-300	**1.12 ± 0.213 (0.045) C:NA T:45%**	pCi/g	12/19/14 14:27	7440-29-1	N2
U-233/234	HSL-300	**0.443 ± 0.089 (0.041) C:NA T:77%**	pCi/g	12/19/14 14:22		N2
U-235/236	HSL-300	**0.032 ± 0.020 (0.020) C:NA T:77%**	pCi/g	12/19/14 14:22		N2
Uranium-238	HSL-300	**0.456 ± 0.088 (0.019) C:NA T:77%**	pCi/g	12/19/14 14:22		N2

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

Sample: SBFT-11 (10-15) **Lab ID: 30135051007** Collected: 11/18/14 13:02 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.755 ± 0.303 (0.222) C:NA T:NA**	pCi/g	12/20/14 14:11	14331-83-0	
Bismuth-212	EPA 901.1	**0.406 ± 0.847 (1.502) C:NA T:NA**	pCi/g	12/20/14 14:11	14913-49-6	
Bismuth-214	EPA 901.1	**1.138 ± 0.274 (0.124)**	pCi/g	12/20/14 14:11	14733-03-0	
Lead-210	EPA 901.1	**0.091 ± 1.353 (2.464) C:NA T:NA**	pCi/g	12/20/14 14:11	14255-04-0	
Lead-212	EPA 901.1	**0.645 ± 0.170 (0.150) C:NA T:NA**	pCi/g	12/20/14 14:11	15092-94-1	
Lead-214	EPA 901.1	**0.788 ± 0.222 (0.159)**	pCi/g	12/20/14 14:11	15067-28-4	
Potassium-40	EPA 901.1	**13.188 ± 2.857 (1.239) C:NA T:NA**	pCi/g	12/20/14 14:11	13966-00-2	
Protactinium-231	EPA 901.1	**-0.360 ± 2.233 (4.042) C:NA T:NA**	pCi/g	12/20/14 14:11	14331-85-2	
Protactinium-234M	EPA 901.1	**0.110 ± 8.340 (16.120) C:NA T:NA**	pCi/g	12/20/14 14:11	15100-28-4	
Radium-226	EPA 901.1	**1.050 ± 0.253 (0.124) C:NA T:NA**	pCi/g	12/20/14 14:11	13982-63-3	
Radium-228	EPA 901.1	**0.755 ± 0.303 (0.222) C:NA T:NA**	pCi/g	12/20/14 14:11	15262-20-1	
Thallium-208	EPA 901.1	**0.253 ± 0.097 (0.082) C:NA T:NA**	pCi/g	12/20/14 14:11	14913-50-9	
Thorium-234	EPA 901.1	**1.374 ± 1.078 (1.987) C:NA T:NA**	pCi/g	12/20/14 14:11	15065-10-8	
Uranium-235	EPA 901.1	**0.183 ± 0.098 (0.102) C:NA T:NA**	pCi/g	12/20/14 14:11	15117-96-1	
Thorium-228	HSL-300	**0.555 ± 0.133 (0.089) C:NA T:46%**	pCi/g	12/19/14 14:28	14274-82-9	N2
Thorium-230	HSL-300	**0.890 ± 0.180 (0.064) C:NA T:46%**	pCi/g	12/19/14 14:28	14269-63-7	N2
Thorium-232	HSL-300	**0.486 ± 0.112 (0.045) C:NA T:46%**	pCi/g	12/19/14 14:28	7440-29-1	N2
U-233/234	HSL-300	**0.919 ± 0.165 (0.036) C:NA T:60%**	pCi/g	12/19/14 14:22		N2
U-235/236	HSL-300	**0.070 ± 0.035 (0.029) C:NA T:60%**	pCi/g	12/19/14 14:22		N2
Uranium-238	HSL-300	**0.820 ± 0.150 (0.038) C:NA T:60%**	pCi/g	12/19/14 14:22		N2

Sample: SBFT-11 (15-20) **Lab ID: 30135051008** Collected: 11/18/14 13:09 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.712 ± 0.311 (0.447) C:NA T:NA**	pCi/g	12/20/14 14:27	14331-83-0	
Bismuth-212	EPA 901.1	**0.473 ± 0.946 (1.645) C:NA T:NA**	pCi/g	12/20/14 14:27	14913-49-6	
Bismuth-214	EPA 901.1	**1.128 ± 0.265 (0.110)**	pCi/g	12/20/14 14:27	14733-03-0	
Lead-210	EPA 901.1	**1.225 ± 1.685 (2.791) C:NA T:NA**	pCi/g	12/20/14 14:27	14255-04-0	
Lead-212	EPA 901.1	**0.799 ± 0.189 (0.156) C:NA T:NA**	pCi/g	12/20/14 14:27	15092-94-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

Sample: SBFT-11 (15-20) **Lab ID: 30135051008** Collected: 11/18/14 13:09 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Lead-214	EPA 901.1	**1.291 ± 0.292 (0.158)**	pCi/g	12/20/14 14:27	15067-28-4	
Potassium-40	EPA 901.1	**10.656 ± 2.354 (0.854)** **C:NA T:NA**	pCi/g	12/20/14 14:27	13966-00-2	
Protactinium-231	EPA 901.1	**0.193 ± 1.944 (3.556)** **C:NA T:NA**	pCi/g	12/20/14 14:27	14331-85-2	
Protactinium-234M	EPA 901.1	**3.550 ± 7.420 (13.070)** **C:NA T:NA**	pCi/g	12/20/14 14:27	15100-28-4	
Radium-226	EPA 901.1	**1.207 ± 0.260 (0.110)** **C:NA T:NA**	pCi/g	12/20/14 14:27	13982-63-3	
Radium-228	EPA 901.1	**0.712 ± 0.311 (0.447)** **C:NA T:NA**	pCi/g	12/20/14 14:27	15262-20-1	
Thallium-208	EPA 901.1	**0.298 ± 0.097 (0.072)** **C:NA T:NA**	pCi/g	12/20/14 14:27	14913-50-9	
Thorium-234	EPA 901.1	**3.044 ± 1.258 (1.573)** **C:NA T:NA**	pCi/g	12/20/14 14:27	15065-10-8	
Uranium-235	EPA 901.1	**0.098 ± 0.079 (0.108)** **C:NA T:NA**	pCi/g	12/20/14 14:27	15117-96-1	
Thorium-228	HSL-300	**0.955 ± 0.189 (0.078)** **C:NA T:49%**	pCi/g	12/19/14 14:28	14274-82-9	N2
Thorium-230	HSL-300	**1.46 ± 0.266 (0.061)** **C:NA T:49%**	pCi/g	12/19/14 14:28	14269-63-7	N2
Thorium-232	HSL-300	**1.07 ± 0.201 (0.008)** **C:NA T:49%**	pCi/g	12/19/14 14:28	7440-29-1	N2
U-233/234	HSL-300	**1.10 ± 0.171 (0.023)** **C:NA T:111%**	pCi/g	12/19/14 14:22		N2
U-235/236	HSL-300	**0.069 ± 0.025 (0.013)** **C:NA T:111%**	pCi/g	12/19/14 14:22		N2
Uranium-238	HSL-300	**1.05 ± 0.164 (0.022)** **C:NA T:111%**	pCi/g	12/19/14 14:22		N2

Sample: SBFT-11 (20-25) **Lab ID: 30135051009** Collected: 11/18/14 13:18 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**1.638 ± 0.411 (0.268)** **C:NA T:NA**	pCi/g	12/20/14 14:43	14331-83-0	
Bismuth-212	EPA 901.1	**1.855 ± 1.115 (1.131)** **C:NA T:NA**	pCi/g	12/20/14 14:43	14913-49-6	
Bismuth-214	EPA 901.1	**1.293 ± 0.318 (0.150)**	pCi/g	12/20/14 14:43	14733-03-0	
Lead-210	EPA 901.1	**1.845 ± 2.087 (3.393)** **C:NA T:NA**	pCi/g	12/20/14 14:43	14255-04-0	
Lead-212	EPA 901.1	**1.513 ± 0.351 (0.242)** **C:NA T:NA**	pCi/g	12/20/14 14:43	15092-94-1	
Lead-214	EPA 901.1	**1.210 ± 0.305 (0.192)**	pCi/g	12/20/14 14:43	15067-28-4	
Potassium-40	EPA 901.1	**17.816 ± 3.687 (1.160)** **C:NA T:NA**	pCi/g	12/20/14 14:43	13966-00-2	
Protactinium-231	EPA 901.1	**-0.590 ± 3.071 (5.475)** **C:NA T:NA**	pCi/g	12/20/14 14:43	14331-85-2	
Protactinium-234M	EPA 901.1	**4.315 ± 10.017 (17.840)** **C:NA T:NA**	pCi/g	12/20/14 14:43	15100-28-4	
Radium-226	EPA 901.1	**1.284 ± 0.285 (0.150)** **C:NA T:NA**	pCi/g	12/20/14 14:43	13982-63-3	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

Sample: SBFT-11 (20-25) **Lab ID: 30135051009** Collected: 11/18/14 13:18 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radium-228	EPA 901.1	**1.638 ± 0.411 (0.268) C:NA T:NA**	pCi/g	12/20/14 14:43	15262-20-1	
Thallium-208	EPA 901.1	**0.481 ± 0.151 (0.116) C:NA T:NA**	pCi/g	12/20/14 14:43	14913-50-9	
Thorium-234	EPA 901.1	**2.305 ± 1.558 (2.267) C:NA T:NA**	pCi/g	12/20/14 14:43	15065-10-8	
Uranium-235	EPA 901.1	**0.259 ± 0.127 (0.136) C:NA T:NA**	pCi/g	12/20/14 14:43	15117-96-1	
Thorium-228	HSL-300	**1.57 ± 0.301 (0.108) C:NA T:36%**	pCi/g	12/19/14 14:28	14274-82-9	N2
Thorium-230	HSL-300	**1.08 ± 0.218 (0.071) C:NA T:36%**	pCi/g	12/19/14 14:28	14269-63-7	N2
Thorium-232	HSL-300	**1.40 ± 0.267 (0.043) C:NA T:36%**	pCi/g	12/19/14 14:28	7440-29-1	N2
U-233/234	HSL-300	**0.828 ± 0.133 (0.022) C:NA T:113%**	pCi/g	12/19/14 14:22		N2
U-235/236	HSL-300	**0.049 ± 0.022 (0.020) C:NA T:113%**	pCi/g	12/19/14 14:22		N2
Uranium-238	HSL-300	**0.772 ± 0.125 (0.015) C:NA T:113%**	pCi/g	12/19/14 14:22		N2

Sample: SBFT-12 (0-5) **Lab ID: 30135051010** Collected: 11/18/14 14:00 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.810 ± 0.279 (0.375) C:NA T:NA**	pCi/g	12/20/14 14:59	14331-83-0	
Bismuth-212	EPA 901.1	**0.897 ± 1.057 (1.715) C:NA T:NA**	pCi/g	12/20/14 14:59	14913-49-6	
Bismuth-214	EPA 901.1	**0.856 ± 0.224 (0.118)**	pCi/g	12/20/14 14:59	14733-03-0	
Lead-210	EPA 901.1	**1.645 ± 1.433 (2.233) C:NA T:NA**	pCi/g	12/20/14 14:59	14255-04-0	
Lead-212	EPA 901.1	**0.855 ± 0.210 (0.159) C:NA T:NA**	pCi/g	12/20/14 14:59	15092-94-1	
Lead-214	EPA 901.1	**0.932 ± 0.227 (0.118)**	pCi/g	12/20/14 14:59	15067-28-4	
Potassium-40	EPA 901.1	**8.282 ± 2.097 (1.273) C:NA T:NA**	pCi/g	12/20/14 14:59	13966-00-2	
Protactinium-231	EPA 901.1	**0.000 ± 2.768 (4.990) C:NA T:NA**	pCi/g	12/20/14 14:59	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.421 ± 13.885 (11.690) C:NA T:NA**	pCi/g	12/20/14 14:59	15100-28-4	
Radium-226	EPA 901.1	**0.872 ± 0.211 (0.118) C:NA T:NA**	pCi/g	12/20/14 14:59	13982-63-3	
Radium-228	EPA 901.1	**0.810 ± 0.279 (0.375) C:NA T:NA**	pCi/g	12/20/14 14:59	15262-20-1	
Thallium-208	EPA 901.1	**0.324 ± 0.097 (0.056) C:NA T:NA**	pCi/g	12/20/14 14:59	14913-50-9	
Thorium-234	EPA 901.1	**1.300 ± 0.745 (1.826) C:NA T:NA**	pCi/g	12/20/14 14:59	15065-10-8	
Uranium-235	EPA 901.1	**0.160 ± 0.077 (0.084) C:NA T:NA**	pCi/g	12/20/14 14:59	15117-96-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

Sample: SBFT-12 (0-5) **Lab ID: 30135051010** Collected: 11/18/14 14:00 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Thorium-228	HSL-300	**0.957 ± 0.190 (0.069) C:NA T:53%**	pCi/g	12/19/14 14:28	14274-82-9	N2
Thorium-230	HSL-300	**0.755 ± 0.158 (0.072) C:NA T:53%**	pCi/g	12/19/14 14:28	14269-63-7	N2
Thorium-232	HSL-300	**0.907 ± 0.178 (0.042) C:NA T:53%**	pCi/g	12/19/14 14:28	7440-29-1	N2
U-233/234	HSL-300	**0.675 ± 0.124 (0.036) C:NA T:72%**	pCi/g	12/19/14 14:22		N2
U-235/236	HSL-300	**0.045 ± 0.026 (0.028) C:NA T:72%**	pCi/g	12/19/14 14:22		N2
Uranium-238	HSL-300	**0.659 ± 0.120 (0.017) C:NA T:72%**	pCi/g	12/19/14 14:22		N2

Sample: SBFT-13 (0-5) **Lab ID: 30135051011** Collected: 11/18/14 13:35 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.887 ± 0.382 (0.468) C:NA T:NA**	pCi/g	12/20/14 15:15	14331-83-0	
Bismuth-212	EPA 901.1	**1.341 ± 1.440 (2.300) C:NA T:NA**	pCi/g	12/20/14 15:15	14913-49-6	
Bismuth-214	EPA 901.1	**0.785 ± 0.249 (0.189)**	pCi/g	12/20/14 15:15	14733-03-0	
Lead-210	EPA 901.1	**-0.226 ± 5.435 (3.245) C:NA T:NA**	pCi/g	12/20/14 15:15	14255-04-0	
Lead-212	EPA 901.1	**1.076 ± 0.271 (0.197) C:NA T:NA**	pCi/g	12/20/14 15:15	15092-94-1	
Lead-214	EPA 901.1	**1.201 ± 0.313 (0.193)**	pCi/g	12/20/14 15:15	15067-28-4	
Potassium-40	EPA 901.1	**-0.306 ± 12.258 (5.593) C:NA T:NA**	pCi/g	12/20/14 15:15	13966-00-2	
Protactinium-231	EPA 901.1	**0.366 ± 2.643 (4.809) C:NA T:NA**	pCi/g	12/20/14 15:15	14331-85-2	
Protactinium-234M	EPA 901.1	**4.329 ± 7.279 (12.650) C:NA T:NA**	pCi/g	12/20/14 15:15	15100-28-4	
Radium-226	EPA 901.1	**0.778 ± 0.247 (0.189) C:NA T:NA**	pCi/g	12/20/14 15:15	13982-63-3	
Radium-228	EPA 901.1	**0.887 ± 0.382 (0.468) C:NA T:NA**	pCi/g	12/20/14 15:15	15262-20-1	
Thallium-208	EPA 901.1	**0.358 ± 0.114 (0.072) C:NA T:NA**	pCi/g	12/20/14 15:15	14913-50-9	
Thorium-234	EPA 901.1	**1.049 ± 1.128 (2.251) C:NA T:NA**	pCi/g	12/20/14 15:15	15065-10-8	
Uranium-235	EPA 901.1	**0.094 ± 0.106 (0.151) C:NA T:NA**	pCi/g	12/20/14 15:15	15117-96-1	
Thorium-228	HSL-300	**1.20 ± 0.225 (0.051) C:NA T:54%**	pCi/g	12/19/14 14:29	14274-82-9	N2
Thorium-230	HSL-300	**0.846 ± 0.165 (0.030) C:NA T:54%**	pCi/g	12/19/14 14:29	14269-63-7	N2
Thorium-232	HSL-300	**1.18 ± 0.219 (0.023) C:NA T:54%**	pCi/g	12/19/14 14:29	7440-29-1	N2
U-233/234	HSL-300	**0.552 ± 0.096 (0.022) C:NA T:110%**	pCi/g	12/19/14 14:22		N2

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

Sample: SBFT-13 (0-5) **Lab ID: 30135051011** Collected: 11/18/14 13:35 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
U-235/236	HSL-300	**0.037 ± 0.018 (0.014)** **C:NA T:110%**	pCi/g	12/19/14 14:22		N2
Uranium-238	HSL-300	**0.517 ± 0.090 (0.014)** **C:NA T:110%**	pCi/g	12/19/14 14:22		N2

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

QC Batch: RADC/22461 Analysis Method: HSL-300
QC Batch Method: HSL-300 Analysis Description: HSL300(AS) Actinides
Associated Lab Samples: 30135051001, 30135051002, 30135051003, 30135051004, 30135051005, 30135051006, 30135051007, 30135051008, 30135051009, 30135051010, 30135051011

METHOD BLANK: 825440 Matrix: Solid
Associated Lab Samples: 30135051001, 30135051002, 30135051003, 30135051004, 30135051005, 30135051006, 30135051007, 30135051008, 30135051009, 30135051010, 30135051011

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Thorium-228	0.051 ± 0.026 (0.033) C:NA T:92%	pCi/g	12/19/14 14:24	N2
Thorium-230	0.004 ± 0.007 (0.010) C:NA T:92%	pCi/g	12/19/14 14:24	N2
Thorium-232	0.001 ± 0.006 (0.003) C:NA T:92%	pCi/g	12/19/14 14:24	N2
U-233/234	0.011 ± 0.016 (0.027) C:NA T:102%	pCi/g	12/18/14 20:03	N2
U-235/236	0.011 ± 0.011 (0.016) C:NA T:102%	pCi/g	12/18/14 20:03	N2
Uranium-238	0.003 ± 0.010 (0.020) C:NA T:102%	pCi/g	12/18/14 20:03	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

QC Batch:	RADC/22453	Analysis Method:	EPA 901.1
QC Batch Method:	EPA 901.1	Analysis Description:	901.1 Gamma Spec Ingrowth

Associated Lab Samples: 30135051001, 30135051002, 30135051003, 30135051004, 30135051005, 30135051006, 30135051007, 30135051008, 30135051009, 30135051010, 30135051011

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: 1411C56 Gannett & Fleming
Pace Project No.: 30135051

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2 The lab does not hold TNI accreditation for this parameter.

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CHAIN OF CUSTODY RECORD

Omega COCID 2187 | PAGE: 1 | OF: 3

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ASR-0554

SUB CONTRATOR:	PACE-Pennsylvania	COMPANY:	Pace Analytical Service, Inc.
ADDRESS:	1638 Roseytown Road Suites 2,3,&4		
CITY, STATE, ZIP:	Greensburg, PA 15601		
PHONE:	(724) 850-5600	FAX:	(724) 850-5601
ACCOUNT #:		EMAIL:	

SPECIAL INSTRUCTIONS / COMMENTS:

Please analyze for Uranium, Thorium, and Gamma Spec. If you have any questions, please contact Jennifer Aracri at ext. 1211. Note: fractions D and E share the same 8 oz jar. Thanks!!

30135051

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description.
1	1411C56-001D	SBFT-9 (0-5)	8-ozJAR	Soil	11/18/2014 11:50:00 AM	1	Uranium, Gamma Spec 001
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
2	1411C56-001E	SBFT-9 (0-5)	8-ozJAR	Soil	11/18/2014 11:50:00 AM	1	Thorium
	SUBCONTRACT (SUB)						
3	1411C56-002D	SBFT-9 (5-10)	8-ozJAR	Soil	11/18/2014 12:00:00 PM	1	Uranium, Gamma Spec 002
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
4	1411C56-002E	SBFT-9 (5-10)	8-ozJAR	Soil	11/18/2014 12:00:00 PM	1	Thorium
	SUBCONTRACT (SUB)						
5	1411C56-003D	SBFT-10 (0-5)	8-ozJAR	Soil	11/18/2014 12:14:00 PM	1	Uranium, Gamma Spec 003
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
6	1411C56-003E	SBFT-10 (0-5)	8-ozJAR	Soil	11/18/2014 12:14:00 PM	1	Thorium
	SUBCONTRACT (SUB)						
7	1411C56-004D	SBFT-10 (5-10)	8-ozJAR	Soil	11/18/2014 12:27:00 PM	1	Uranium, Gamma Spec 004
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
8	1411C56-004E	SBFT-10 (5-10)	8-ozJAR	Soil	11/18/2014 12:27:00 PM	1	Thorium
	SUBCONTRACT (SUB)						
9	1411C56-005D	SBFT-11 (0-5)	8-ozJAR	Soil	11/18/2014 12:40:00 PM	1	Uranium, Gamma Spec 005
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						

Relinquished By: [signature]	Date: 11-21-14	Time: 1800	Received By: Alyna R. Muchoney	Date: 11/22/14	Time: 1115
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:

☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples 2.2 °C Attempt to Cool ? _____

Comments: _____

Pace Analytical

CHAIN OF CUSTODY RECORD

Omega COCID 2187 | PAGE: 2 | OF: 3

ADDRESS
PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040
FAX: (631) 420-8436
Website: www.pacelabs.com

SUB CONTRATOR: **PACE-Pennsylvania** COMPANY: **Pace Analytical Service, Inc.**
ADDRESS: **1638 Roseytown Road Suites 2,3,&4**
CITY, STATE, ZIP: **Greensburg, PA 15601**
PHONE: **(724) 850-5600** FAX: **(724) 850-5601**
ACCOUNT #: EMAIL:

SPECIAL INSTRUCTIONS / COMMENTS:
Please analyze for Uranium, Thorium, and Gamma Spec. If you have any questions, please contact Jennifer Aracri at ext. 1211. Note: fractions D and E share the same 8 oz jar. Thanks!!

30135051

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
10	1411C56-005E	SBFT-11 (0-5)	8-ozJAR	Soil	11/18/2014 12:40:00 PM	1	Thorium 005
	SUBCONTRACT (SUB)						
11	1411C56-006D	SBFT-11 (5-10)	8-ozJAR	Soil	11/18/2014 12:51:00 PM	1	Uranium, Gamma Spec 006
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
12	1411C56-006E	SBFT-11 (5-10)	8-ozJAR	Soil	11/18/2014 12:51:00 PM	1	Thorium
	SUBCONTRACT (SUB)						
13	1411C56-007D	SBFT-11 (10-15)	8-ozJAR	Soil	11/18/2014 1:02:00 PM	1	Uranium, Gamma Spec 007
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
14	1411C56-007E	SBFT-11 (10-15)	8-ozJAR	Soil	11/18/2014 1:02:00 PM	1	Thorium
	SUBCONTRACT (SUB)						
15	1411C56-008D	SBFT-11 (15-20)	8-ozJAR	Soil	11/18/2014 1:09:00 PM	1	Uranium, Gamma Spec 008
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
16	1411C56-008E	SBFT-11 (15-20)	8-ozJAR	Soil	11/18/2014 1:09:00 PM	1	Thorium
	SUBCONTRACT (SUB)						
17	1411C56-009D	SBFT-11 (20-25)	8-ozJAR	Soil	11/18/2014 1:18:00 PM	1	Uranium, Gamma Spec 009
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
18	1411C56-009E	SBFT-11 (20-25)	8-ozJAR	Soil	11/18/2014 1:18:00 PM	1	Thorium
	SUBCONTRACT (SUB)						

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	11-21-14	1800	Alyna K Muchong	11/22/14	~~1115~~ 1115
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples 2.2 °C Attempt to Cool ?
Comments:

CHAIN OF CUSTODY RECORD

Omega COCID 2187	PAGE: 3	OF: 3

ADDRESS
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575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040
FAX: (631) 420-8436
Website: www.pacelabs.com

SUB CONTRATOR:	PACE-Pennsylvania	COMPANY:	Pace Analytical Service, Inc.
ADDRESS:	1638 Roseytown Road Suites 2,3,&4		
CITY, STATE, ZIP:	Greensburg, PA 15601		
PHONE:	(724) 850-5600	FAX:	(724) 850-5601
ACCOUNT #:		EMAIL:	

SPECIAL INSTRUCTIONS / COMMENTS:

Please analyze for Uranium, Thorium, and Gamma Spec. If you have any questions, please contact Jennifer Aracri at ext. 1211. Note: fractions D and E share the same 8 oz jar. Thanks!!

30135051

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description.
19	1411C56-010D	SBFT-12 (0-5)	8-ozJAR	Soil	11/18/2014 2:00:00 PM	1	Uranium, Gamma Spec 010
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
20	1411C56-010E	SBFT-12 (0-5)	8-ozJAR	Soil	11/18/2014 2:00:00 PM	1	Thorium
	SUBCONTRACT (SUB)						
21	1411C56-011D	SBFT-13 (0-5)	8-ozJAR	Soil	11/18/2014 1:35:00 PM	1	Uranium, Gamma Spec 011
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
22	1411C56-011E	SBFT-13 (0-5)	8-ozJAR	Soil	11/18/2014 1:35:00 PM	1	Thorium
	SUBCONTRACT (SUB)						

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
M. Hall	11-21-14	1800	Alma R. Muchoney	11/22/14	1115
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:

☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples 2.2 °C Attempt to Cool ? _____

Comments: _____

Sample Condition Upon Receipt

Pace Analytical

Client Name: PACE L.I. Project # 30135051

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 7719 5452 4865

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no Biological Tissue is Frozen: Yes No

Packing Material: Bubble Wrap ✓ Bubble Bags ✓ None ____ Other _____

Thermometer Used 8 Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temp.: Observed Temp.: 2.3 °C Correction Factor: -0.1 °C Final Temp: 2.2 °C

Date and Initials of person examining contents: VRM 11/22/14

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☑No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☐Yes ☑No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SL		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☑No	Initial when completed VRM / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Carrie Sears **Date:** 11/24/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical

page 2

Project Number: 30135051

Client Name: PACE L.I.

										10 ← 8		Item No.
										2 ← 2		Matrix Code
										— ← —		Glass Jar (120 / 250 / 500 / 1L)
												Soil kit (2 SB, 1M, soil jar)
												Chemistry (250 / 500 / 1L)
												Organics (1L)
												Nutrient (250 / 500)
												Phenolics (250 ml)
												TOC (40 ml / 250 ml)
												TOX (250 ml)
												Total Metals
												Dissolved Metals preserved Y N
												O & G (1L)
												TPH (1L)
												VOA (40 ml 30 ml)
												Cyanide (250 ml)
												Sulfide (500 ml)
												Bacteria (120 ml)
												Wipes / swipe/ smear/ filter
												Radchem Nalgene (125 / 250 / 500 / 1L)
												Radchem Nalgene (1/2 gal. / 1 gal.L)
												Cubitainer (500 ml / 4L)
												Ziploc
												Other
												Other

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 11:50:00 AM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C56-001
Client Sample ID: SBFT-9 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/20/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 12/22/2014

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NYSDOH ID#10478 www.pacelabs.com

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina

Collected : 11/18/2014 12:00:00 PM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C56-002
Client Sample ID: SBFT-9 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/20/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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LABORATORY RESULTS

Results for the samples and analytes requested

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 12:14:00 PM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C56-003
Client Sample ID: SBFT-10 (0-5)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/20/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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D.F. = Dilution Factor D = Results for Dilution
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 12:27:00 PM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C56-004
Client Sample ID: SBFT-10 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/20/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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Client Services Manager

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 12:40:00 PM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C56-005
Client Sample ID: SBFT-11 (0-5)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/20/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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D.F. = Dilution Factor D = Results for Dilution
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r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
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Client Services Manager

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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 12:51:00 PM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C56-006
Client Sample ID: SBFT-11 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/20/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
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Client Services Manager

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 1:02:00 PM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C56-007
Client Sample ID: SBFT-11 (10-15)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/20/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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S = Recovery exceeded control limits for this analyte
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Client Services Manager

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LABORATORY RESULTS

Results for the samples and analytes requested

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 1:09:00 PM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C56-008
Client Sample ID: SBFT-11 (15-20)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/20/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 12/22/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 1:18:00 PM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C56-009
Client Sample ID: SBFT-11 (20-25)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/20/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 12/22/2014

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 2:00:00 PM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C56-010
Client Sample ID: SBFT-12 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/20/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/18/2014 1:35:00 PM
Received : 11/18/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1411C56-011
Client Sample ID: SBFT-13 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/20/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/19/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 12/22/2014

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF** Date and Time Received: **11/18/2014 5:00:00 PM**

Work Order Number: **1411C56** RcptNo: **1** Received by **MelissaWatson**

Completed by: Reviewed by:

Completed Date: 11/24/2014 12:55:29 PM Reviewed Date: 11/24/2014 8:28:51 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	3.4 º
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF009 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1411C56

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

December 31, 2014

Ms. Jennifer Aracri
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747

RE: Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Dear Ms. Aracri:
Enclosed are the analytical results for sample(s) received by the laboratory on November 22, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

This report has been reissued on December 31, 2014. Samples IDs were changed to the client sample ID as per sample request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carin A. Ferris

Carin Ferris for
Jacquelyn Collins
jacquelyn.collins@pacelabs.com
Project Manager

Enclosures

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Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Pennsylvania Certification IDs
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ACLASS DOD-ELAP Accreditation #: ADE-1544
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/TNI Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana DHH/TNI Certification #: LA140008
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: PA00091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188
Utah/TNI Certification #: PA014572014-4
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30135050001	**SBFT-14 (0-5)**	Solid	11/19/14 10:08	11/22/14 11:15
30135050002	**SBFT-14 (5-10)**	Solid	11/19/14 10:20	11/22/14 11:15
30135050003	**SBFT-14 (10-15)**	Solid	11/19/14 10:32	11/22/14 11:15
30135050004	**SBFT-15 (0-5)**	Solid	11/19/14 12:20	11/22/14 11:15
30135050005	**SBFT-15 (5-10)**	Solid	11/19/14 12:19	11/22/14 11:15
30135050006	**SBFT-15 (10-15)**	Solid	11/19/14 12:27	11/22/14 11:15
30135050007	**SBFT-16 (0-5)**	Solid	11/19/14 12:45	11/22/14 11:15
30135050008	**SBFT-16 (5-10)**	Solid	11/19/14 12:54	11/22/14 11:15
30135050009	**SBFT-16 (10-15)**	Solid	11/19/14 13:07	11/22/14 11:15
30135050010	**SBFT-17 (0-5)**	Solid	11/19/14 10:50	11/22/14 11:15
30135050011	**SBFT-18 (0-5)**	Solid	11/19/14 11:16	11/22/14 11:15
30135050012	**SBFT-19 (0-5)**	Solid	11/19/14 11:29	11/22/14 11:15
30135050013	**SBFT-19 (5-10)**	Solid	11/19/14 11:36	11/22/14 11:15
30135050014	**SBOF-2 (0-5)**	Solid	11/19/14 08:21	11/22/14 11:15

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SAMPLE ANALYTE COUNT

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30135050001	**SBFT-14 (0-5)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135050002	**SBFT-14 (5-10)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135050003	**SBFT-14 (10-15)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135050004	**SBFT-15 (0-5)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135050005	**SBFT-15 (5-10)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135050006	**SBFT-15 (10-15)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135050007	**SBFT-16 (0-5)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135050008	**SBFT-16 (5-10)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135050009	**SBFT-16 (10-15)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135050010	**SBFT-17 (0-5)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135050011	**SBFT-18 (0-5)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135050012	**SBFT-19 (0-5)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135050013	**SBFT-19 (5-10)**	EPA 901.1	MAH	14
		HSL-300	MBT	6
30135050014	**SBOF-2 (0-5)**	EPA 901.1	MAH	14
		HSL-300	MBT	6

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Sample: SBFT-14 (0-5) **Lab ID: 30135050001** Collected: 11/19/14 10:08 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.869 ± 0.250 (0.410) C:NA T:NA**	pCi/g	12/24/14 09:34	14331-83-0	
Bismuth-212	EPA 901.1	**1.006 ± 0.953 (1.496) C:NA T:NA**	pCi/g	12/24/14 09:34	14913-49-6	
Bismuth-214	EPA 901.1	**0.817 ± 0.221 (0.115)**	pCi/g	12/24/14 09:34	14733-03-0	
Lead-210	EPA 901.1	**-0.211 ± 8.447 (3.490) C:NA T:NA**	pCi/g	12/24/14 09:34	14255-04-0	
Lead-212	EPA 901.1	**0.788 ± 0.219 (0.175) C:NA T:NA**	pCi/g	12/24/14 09:34	15092-94-1	
Lead-214	EPA 901.1	**0.591 ± 0.175 (0.120)**	pCi/g	12/24/14 09:34	15067-28-4	
Potassium-40	EPA 901.1	**11.377 ± 2.561 (1.147) C:NA T:NA**	pCi/g	12/24/14 09:34	13966-00-2	
Protactinium-231	EPA 901.1	**1.012 ± 1.991 (3.428) C:NA T:NA**	pCi/g	12/24/14 09:34	14331-85-2	
Protactinium-234M	EPA 901.1	**0.661 ± 6.791 (13.520) C:NA T:NA**	pCi/g	12/24/14 09:34	15100-28-4	
Radium-226	EPA 901.1	**0.821 ± 0.216 (0.115) C:NA T:NA**	pCi/g	12/24/14 09:34	13982-63-3	
Radium-228	EPA 901.1	**0.869 ± 0.250 (0.410) C:NA T:NA**	pCi/g	12/24/14 09:34	15262-20-1	
Thallium-208	EPA 901.1	**0.251 ± 0.101 (0.090) C:NA T:NA**	pCi/g	12/24/14 09:34	14913-50-9	
Thorium-234	EPA 901.1	**1.427 ± 0.733 (1.102) C:NA T:NA**	pCi/g	12/24/14 09:34	15065-10-8	
Uranium-235	EPA 901.1	**0.101 ± 0.071 (0.107) C:NA T:NA**	pCi/g	12/24/14 09:34	15117-96-1	
Thorium-228	HSL-300	**0.740 ± 0.159 (0.061) C:NA T:41%**	pCi/g	12/18/14 08:26	14274-82-9	N2
Thorium-230	HSL-300	**0.587 ± 0.131 (0.038) C:NA T:41%**	pCi/g	12/18/14 08:26	14269-63-7	N2
Thorium-232	HSL-300	**0.683 ± 0.147 (0.038) C:NA T:41%**	pCi/g	12/18/14 08:26	7440-29-1	N2
U-233/234	HSL-300	**0.591 ± 0.134 (0.078) C:NA T:55%**	pCi/g	12/17/14 15:13		N2
U-235/236	HSL-300	**0.015 ± 0.039 (0.072) C:NA T:55%**	pCi/g	12/17/14 15:13		N2
Uranium-238	HSL-300	**0.587 ± 0.131 (0.062) C:NA T:55%**	pCi/g	12/17/14 15:13		N2

Sample: SBFT-14 (5-10) **Lab ID: 30135050002** Collected: 11/19/14 10:20 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.738 ± 0.319 (0.383) C:NA T:NA**	pCi/g	12/24/14 08:40	14331-83-0	
Bismuth-212	EPA 901.1	**0.471 ± 1.023 (1.815) C:NA T:NA**	pCi/g	12/24/14 08:40	14913-49-6	
Bismuth-214	EPA 901.1	**0.823 ± 0.240 (0.160)**	pCi/g	12/24/14 08:40	14733-03-0	
Lead-210	EPA 901.1	**1.000 ± 1.982 (3.384) C:NA T:NA**	pCi/g	12/24/14 08:40	14255-04-0	
Lead-212	EPA 901.1	**1.038 ± 0.241 (0.179) C:NA T:NA**	pCi/g	12/24/14 08:40	15092-94-1	

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Greensburg, PA 15601
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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Sample: SBFT-14 (5-10) **Lab ID: 30135050002** Collected: 11/19/14 10:20 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Lead-214	EPA 901.1	**0.804 ± 0.205 (0.118)**	pCi/g	12/24/14 08:40	15067-28-4	
Potassium-40	EPA 901.1	**13.890 ± 2.840 (0.946)** **C:NA T:NA**	pCi/g	12/24/14 08:40	13966-00-2	
Protactinium-231	EPA 901.1	**-0.760 ± 2.639 (4.574)** **C:NA T:NA**	pCi/g	12/24/14 08:40	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.672 ± 26.873 (5.964)** **C:NA T:NA**	pCi/g	12/24/14 08:40	15100-28-4	
Radium-226	EPA 901.1	**0.854 ± 0.204 (0.160)** **C:NA T:NA**	pCi/g	12/24/14 08:40	13982-63-3	
Radium-228	EPA 901.1	**0.738 ± 0.319 (0.383)** **C:NA T:NA**	pCi/g	12/24/14 08:40	15262-20-1	
Thallium-208	EPA 901.1	**0.350 ± 0.124 (0.103)** **C:NA T:NA**	pCi/g	12/24/14 08:40	14913-50-9	
Thorium-234	EPA 901.1	**0.920 ± 1.469 (2.454)** **C:NA T:NA**	pCi/g	12/24/14 08:40	15065-10-8	
Uranium-235	EPA 901.1	**0.102 ± 0.086 (0.139)** **C:NA T:NA**	pCi/g	12/24/14 08:40	15117-96-1	
Thorium-228	HSL-300	**1.25 ± 0.226 (0.047)** **C:NA T:60%**	pCi/g	12/18/14 08:27	14274-82-9	N2
Thorium-230	HSL-300	**0.753 ± 0.146 (0.042)** **C:NA T:60%**	pCi/g	12/18/14 08:27	14269-63-7	N2
Thorium-232	HSL-300	**1.12 ± 0.203 (0.024)** **C:NA T:60%**	pCi/g	12/18/14 08:27	7440-29-1	N2
U-233/234	HSL-300	**0.615 ± 0.108 (0.023)** **C:NA T:117%**	pCi/g	12/17/14 15:13		N2
U-235/236	HSL-300	**0.034 ± 0.022 (0.028)** **C:NA T:117%**	pCi/g	12/17/14 15:13		N2
Uranium-238	HSL-300	**0.659 ± 0.114 (0.023)** **C:NA T:117%**	pCi/g	12/17/14 15:13		N2

Sample: SBFT-14 (10-15) **Lab ID: 30135050003** Collected: 11/19/14 10:32 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**2.214 ± 0.560 (0.281)** **C:NA T:NA**	pCi/g	12/24/14 08:57	14331-83-0	
Bismuth-212	EPA 901.1	**2.877 ± 1.516 (1.558)** **C:NA T:NA**	pCi/g	12/24/14 08:57	14913-49-6	
Bismuth-214	EPA 901.1	**1.431 ± 0.402 (0.291)**	pCi/g	12/24/14 08:57	14733-03-0	
Lead-210	EPA 901.1	**0.808 ± 2.720 (4.787)** **C:NA T:NA**	pCi/g	12/24/14 08:57	14255-04-0	
Lead-212	EPA 901.1	**2.032 ± 0.436 (0.285)** **C:NA T:NA**	pCi/g	12/24/14 08:57	15092-94-1	
Lead-214	EPA 901.1	**1.475 ± 0.415 (0.304)**	pCi/g	12/24/14 08:57	15067-28-4	
Potassium-40	EPA 901.1	**25.607 ± 5.008 (1.494)** **C:NA T:NA**	pCi/g	12/24/14 08:57	13966-00-2	
Protactinium-231	EPA 901.1	**-0.009 ± 0.341 (8.004)** **C:NA T:NA**	pCi/g	12/24/14 08:57	14331-85-2	
Protactinium-234M	EPA 901.1	**1.792 ± 12.754 (24.230)** **C:NA T:NA**	pCi/g	12/24/14 08:57	15100-28-4	
Radium-226	EPA 901.1	**1.474 ± 0.368 (0.291)** **C:NA T:NA**	pCi/g	12/24/14 08:57	13982-63-3	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Sample: SBFT-14 (10-15) **Lab ID: 30135050003** Collected: 11/19/14 10:32 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radium-228	EPA 901.1	**2.214 ± 0.560 (0.281) C:NA T:NA**	pCi/g	12/24/14 08:57	15262-20-1	
Thallium-208	EPA 901.1	**0.562 ± 0.191 (0.156) C:NA T:NA**	pCi/g	12/24/14 08:57	14913-50-9	
Thorium-234	EPA 901.1	**2.861 ± 1.671 (3.633) C:NA T:NA**	pCi/g	12/24/14 08:57	15065-10-8	
Uranium-235	EPA 901.1	**0.359 ± 0.139 (0.136) C:NA T:NA**	pCi/g	12/24/14 08:57	15117-96-1	
Thorium-228	HSL-300	**1.46 ± 0.310 (0.162) C:NA T:25%**	pCi/g	12/18/14 08:27	14274-82-9	N2
Thorium-230	HSL-300	**0.974 ± 0.220 (0.102) C:NA T:25%**	pCi/g	12/18/14 08:27	14269-63-7	N2
Thorium-232	HSL-300	**1.47 ± 0.301 (0.107) C:NA T:25%**	pCi/g	12/18/14 08:27	7440-29-1	N2
U-233/234	HSL-300	**0.982 ± 0.191 (0.059) C:NA T:54%**	pCi/g	12/17/14 15:14		N2
U-235/236	HSL-300	**0.041 ± 0.033 (0.038) C:NA T:54%**	pCi/g	12/17/14 15:14		N2
Uranium-238	HSL-300	**0.954 ± 0.185 (0.029) C:NA T:54%**	pCi/g	12/17/14 15:14		N2

Sample: SBFT-15 (0-5) **Lab ID: 30135050004** Collected: 11/19/14 12:20 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.730 ± 0.333 (0.331) C:NA T:NA**	pCi/g	12/24/14 09:51	14331-83-0	
Bismuth-212	EPA 901.1	**-0.140 ± 5.608 (2.493) C:NA T:NA**	pCi/g	12/24/14 09:51	14913-49-6	
Bismuth-214	EPA 901.1	**0.826 ± 0.252 (0.176)**	pCi/g	12/24/14 09:51	14733-03-0	
Lead-210	EPA 901.1	**0.003 ± 1.509 (2.784) C:NA T:NA**	pCi/g	12/24/14 09:51	14255-04-0	
Lead-212	EPA 901.1	**0.977 ± 0.249 (0.185) C:NA T:NA**	pCi/g	12/24/14 09:51	15092-94-1	
Lead-214	EPA 901.1	**0.794 ± 0.233 (0.182)**	pCi/g	12/24/14 09:51	15067-28-4	
Potassium-40	EPA 901.1	**12.042 ± 2.727 (1.130) C:NA T:NA**	pCi/g	12/24/14 09:51	13966-00-2	
Protactinium-231	EPA 901.1	**1.880 ± 2.372 (3.865) C:NA T:NA**	pCi/g	12/24/14 09:51	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.774 ± 30.963 (6.886) C:NA T:NA**	pCi/g	12/24/14 09:51	15100-28-4	
Radium-226	EPA 901.1	**0.869 ± 0.187 (0.176) C:NA T:NA**	pCi/g	12/24/14 09:51	13982-63-3	
Radium-228	EPA 901.1	**0.730 ± 0.333 (0.331) C:NA T:NA**	pCi/g	12/24/14 09:51	15262-20-1	
Thallium-208	EPA 901.1	**0.376 ± 0.111 (0.054) C:NA T:NA**	pCi/g	12/24/14 09:51	14913-50-9	
Thorium-234	EPA 901.1	**1.197 ± 1.045 (1.865) C:NA T:NA**	pCi/g	12/24/14 09:51	15065-10-8	
Uranium-235	EPA 901.1	**0.128 ± 0.083 (0.103) C:NA T:NA**	pCi/g	12/24/14 09:51	15117-96-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Sample: SBFT-15 (0-5) **Lab ID: 30135050004** Collected: 11/19/14 12:20 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Thorium-228	HSL-300	**0.980 ± 0.183 (0.041) C:NA T:68%**	pCi/g	12/18/14 08:27	14274-82-9	N2
Thorium-230	HSL-300	**0.569 ± 0.116 (0.037) C:NA T:68%**	pCi/g	12/18/14 08:27	14269-63-7	N2
Thorium-232	HSL-300	**0.909 ± 0.170 (0.024) C:NA T:68%**	pCi/g	12/18/14 08:27	7440-29-1	N2
U-233/234	HSL-300	**0.658 ± 0.119 (0.036) C:NA T:105%**	pCi/g	12/17/14 15:14		N2
U-235/236	HSL-300	**0.043 ± 0.024 (0.025) C:NA T:105%**	pCi/g	12/17/14 15:14		N2
Uranium-238	HSL-300	**0.687 ± 0.122 (0.025) C:NA T:105%**	pCi/g	12/17/14 15:14		N2

Sample: SBFT-15 (5-10) **Lab ID: 30135050005** Collected: 11/19/14 12:19 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.136 ± 0.206 (0.357) C:NA T:NA**	pCi/g	12/24/14 10:07	14331-83-0	
Bismuth-212	EPA 901.1	**0.160 ± 0.663 (1.311) C:NA T:NA**	pCi/g	12/24/14 10:07	14913-49-6	
Bismuth-214	EPA 901.1	**-0.036 ± 0.962 (0.186)**	pCi/g	12/24/14 10:07	14733-03-0	
Lead-210	EPA 901.1	**0.295 ± 0.885 (1.654) C:NA T:NA**	pCi/g	12/24/14 10:07	14255-04-0	
Lead-212	EPA 901.1	**0.131 ± 0.081 (0.118) C:NA T:NA**	pCi/g	12/24/14 10:07	15092-94-1	
Lead-214	EPA 901.1	**0.225 ± 0.139 (0.150)**	pCi/g	12/24/14 10:07	15067-28-4	
Potassium-40	EPA 901.1	**1.779 ± 1.014 (1.347) C:NA T:NA**	pCi/g	12/24/14 10:07	13966-00-2	
Protactinium-231	EPA 901.1	**0.001 ± 1.401 (2.745) C:NA T:NA**	pCi/g	12/24/14 10:07	14331-85-2	
Protactinium-234M	EPA 901.1	**-2.477 ± 12.405 (13.610) C:NA T:NA**	pCi/g	12/24/14 10:07	15100-28-4	
Radium-226	EPA 901.1	**0.011 ± 0.018 (0.186) C:NA T:NA**	pCi/g	12/24/14 10:07	13982-63-3	
Radium-228	EPA 901.1	**0.136 ± 0.206 (0.357) C:NA T:NA**	pCi/g	12/24/14 10:07	15262-20-1	
Thallium-208	EPA 901.1	**-0.009 ± 0.356 (0.048) C:NA T:NA**	pCi/g	12/24/14 10:07	14913-50-9	
Thorium-234	EPA 901.1	**0.382 ± 0.634 (1.102) C:NA T:NA**	pCi/g	12/24/14 10:07	15065-10-8	
Uranium-235	EPA 901.1	**0.024 ± 0.048 (0.087) C:NA T:NA**	pCi/g	12/24/14 10:07	15117-96-1	
Thorium-228	HSL-300	**0.561 ± 0.115 (0.056) C:NA T:54%**	pCi/g	12/18/14 11:58	14274-82-9	N2
Thorium-230	HSL-300	**0.328 ± 0.073 (0.031) C:NA T:54%**	pCi/g	12/18/14 11:58	14269-63-7	N2
Thorium-232	HSL-300	**0.456 ± 0.092 (0.005) C:NA T:54%**	pCi/g	12/18/14 11:58	7440-29-1	N2
U-233/234	HSL-300	**0.275 ± 0.070 (0.046) C:NA T:77%**	pCi/g	12/17/14 15:14		N2

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Sample: SBFT-15 (5-10) **Lab ID: 30135050005** Collected: 11/19/14 12:19 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
U-235/236	HSL-300	**0.007 ± 0.019 (0.037) C:NA T:77%**	pCi/g	12/17/14 15:14		N2
Uranium-238	HSL-300	**0.272 ± 0.066 (0.024) C:NA T:77%**	pCi/g	12/17/14 15:14		N2

Sample: SBFT-15 (10-15) **Lab ID: 30135050006** Collected: 11/19/14 12:27 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.093 ± 0.075 (0.174) C:NA T:NA**	pCi/g	12/24/14 10:24	14331-83-0	
Bismuth-212	EPA 901.1	**0.326 ± 0.613 (1.134) C:NA T:NA**	pCi/g	12/24/14 10:24	14913-49-6	
Bismuth-214	EPA 901.1	**0.246 ± 0.111 (0.108)**	pCi/g	12/24/14 10:24	14733-03-0	
Lead-210	EPA 901.1	**-0.107 ± 3.182 (1.864) C:NA T:NA**	pCi/g	12/24/14 10:24	14255-04-0	
Lead-212	EPA 901.1	**0.239 ± 0.100 (0.105) C:NA T:NA**	pCi/g	12/24/14 10:24	15092-94-1	
Lead-214	EPA 901.1	**0.097 ± 0.096 (0.158)**	pCi/g	12/24/14 10:24	15067-28-4	
Potassium-40	EPA 901.1	**1.948 ± 1.015 (1.276) C:NA T:NA**	pCi/g	12/24/14 10:24	13966-00-2	
Protactinium-231	EPA 901.1	**0.000 ± 0.008 (3.212) C:NA T:NA**	pCi/g	12/24/14 10:24	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.662 ± 26.471 (5.887) C:NA T:NA**	pCi/g	12/24/14 10:24	15100-28-4	
Radium-226	EPA 901.1	**0.268 ± 0.121 (0.108) C:NA T:NA**	pCi/g	12/24/14 10:24	13982-63-3	
Radium-228	EPA 901.1	**0.093 ± 0.075 (0.174) C:NA T:NA**	pCi/g	12/24/14 10:24	15262-20-1	
Thallium-208	EPA 901.1	**0.045 ± 0.065 (0.110) C:NA T:NA**	pCi/g	12/24/14 10:24	14913-50-9	
Thorium-234	EPA 901.1	**0.421 ± 0.641 (1.100) C:NA T:NA**	pCi/g	12/24/14 10:24	15065-10-8	
Uranium-235	EPA 901.1	**0.010 ± 0.019 (0.089) C:NA T:NA**	pCi/g	12/24/14 10:24	15117-96-1	
Thorium-228	HSL-300	**0.371 ± 0.079 (0.042) C:NA T:75%**	pCi/g	12/18/14 11:58	14274-82-9	N2
Thorium-230	HSL-300	**0.213 ± 0.051 (0.026) C:NA T:75%**	pCi/g	12/18/14 11:58	14269-63-7	N2
Thorium-232	HSL-300	**0.304 ± 0.064 (0.004) C:NA T:75%**	pCi/g	12/18/14 11:58	7440-29-1	N2
U-233/234	HSL-300	**0.231 ± 0.055 (0.028) C:NA T:112%**	pCi/g	12/17/14 15:14		N2
U-235/236	HSL-300	**0.021 ± 0.017 (0.019) C:NA T:112%**	pCi/g	12/17/14 15:14		N2
Uranium-238	HSL-300	**0.241 ± 0.055 (0.019) C:NA T:112%**	pCi/g	12/17/14 15:14		N2

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Sample: SBFT-16 (0-5) **Lab ID: 30135050007** Collected: 11/19/14 12:45 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.413 ± 0.250 (0.481) C:NA T:NA**	pCi/g	12/24/14 10:41	14331-83-0	
Bismuth-212	EPA 901.1	**1.170 ± 0.913 (1.343) C:NA T:NA**	pCi/g	12/24/14 10:41	14913-49-6	
Bismuth-214	EPA 901.1	**0.492 ± 0.172 (0.141)**	pCi/g	12/24/14 10:41	14733-03-0	
Lead-210	EPA 901.1	**0.630 ± 1.364 (2.376) C:NA T:NA**	pCi/g	12/24/14 10:41	14255-04-0	
Lead-212	EPA 901.1	**0.795 ± 0.188 (0.129) C:NA T:NA**	pCi/g	12/24/14 10:41	15092-94-1	
Lead-214	EPA 901.1	**0.553 ± 0.180 (0.141)**	pCi/g	12/24/14 10:41	15067-28-4	
Potassium-40	EPA 901.1	**10.386 ± 2.450 (1.560) C:NA T:NA**	pCi/g	12/24/14 10:41	13966-00-2	
Protactinium-231	EPA 901.1	**0.007 ± 2.082 (3.852) C:NA T:NA**	pCi/g	12/24/14 10:41	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.673 ± 26.906 (14.940) C:NA T:NA**	pCi/g	12/24/14 10:41	15100-28-4	
Radium-226	EPA 901.1	**0.510 ± 0.165 (0.141) C:NA T:NA**	pCi/g	12/24/14 10:41	13982-63-3	
Radium-228	EPA 901.1	**0.413 ± 0.250 (0.481) C:NA T:NA**	pCi/g	12/24/14 10:41	15262-20-1	
Thallium-208	EPA 901.1	**0.285 ± 0.095 (0.067) C:NA T:NA**	pCi/g	12/24/14 10:41	14913-50-9	
Thorium-234	EPA 901.1	**0.847 ± 0.527 (1.555) C:NA T:NA**	pCi/g	12/24/14 10:41	15065-10-8	
Uranium-235	EPA 901.1	**0.094 ± 0.082 (0.099) C:NA T:NA**	pCi/g	12/24/14 10:41	15117-96-1	
Thorium-228	HSL-300	**0.984 ± 0.178 (0.045) C:NA T:60%**	pCi/g	12/18/14 11:58	14274-82-9	N2
Thorium-230	HSL-300	**0.543 ± 0.105 (0.021) C:NA T:60%**	pCi/g	12/18/14 11:58	14269-63-7	N2
Thorium-232	HSL-300	**1.07 ± 0.189 (0.005) C:NA T:60%**	pCi/g	12/18/14 11:58	7440-29-1	N2
U-233/234	HSL-300	**0.343 ± 0.073 (0.036) C:NA T:110%**	pCi/g	12/17/14 15:15		N2
U-235/236	HSL-300	**0.013 ± 0.024 (0.042) C:NA T:110%**	pCi/g	12/17/14 15:15		N2
Uranium-238	HSL-300	**0.392 ± 0.079 (0.028) C:NA T:110%**	pCi/g	12/17/14 15:15		N2

Sample: SBFT-16 (5-10) **Lab ID: 30135050008** Collected: 11/19/14 12:54 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.173 ± 0.174 (0.333) C:NA T:NA**	pCi/g	12/24/14 11:00	14331-83-0	
Bismuth-212	EPA 901.1	**-0.052 ± 1.157 (1.025) C:NA T:NA**	pCi/g	12/24/14 11:00	14913-49-6	
Bismuth-214	EPA 901.1	**0.265 ± 0.112 (0.103)**	pCi/g	12/24/14 11:00	14733-03-0	
Lead-210	EPA 901.1	**0.597 ± 0.979 (1.705) C:NA T:NA**	pCi/g	12/24/14 11:00	14255-04-0	
Lead-212	EPA 901.1	**0.156 ± 0.087 (0.130) C:NA T:NA**	pCi/g	12/24/14 11:00	15092-94-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Sample: SBFT-16 (5-10) **Lab ID: 30135050008** Collected: 11/19/14 12:54 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Lead-214	EPA 901.1	**0.071 ± 0.093 (0.159)**	pCi/g	12/24/14 11:00	15067-28-4	
Potassium-40	EPA 901.1	**4.428 ± 1.497 (1.448)** **C:NA T:NA**	pCi/g	12/24/14 11:00	13966-00-2	
Protactinium-231	EPA 901.1	**-0.270 ± 1.435 (2.667)** **C:NA T:NA**	pCi/g	12/24/14 11:00	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.633 ± 25.332 (5.634)** **C:NA T:NA**	pCi/g	12/24/14 11:00	15100-28-4	
Radium-226	EPA 901.1	**0.306 ± 0.103 (0.103)** **C:NA T:NA**	pCi/g	12/24/14 11:00	13982-63-3	
Radium-228	EPA 901.1	**0.173 ± 0.174 (0.333)** **C:NA T:NA**	pCi/g	12/24/14 11:00	15262-20-1	
Thallium-208	EPA 901.1	**0.031 ± 0.047 (0.083)** **C:NA T:NA**	pCi/g	12/24/14 11:00	14913-50-9	
Thorium-234	EPA 901.1	**0.060 ± 0.637 (1.171)** **C:NA T:NA**	pCi/g	12/24/14 11:00	15065-10-8	
Uranium-235	EPA 901.1	**0.022 ± 0.044 (0.080)** **C:NA T:NA**	pCi/g	12/24/14 11:00	15117-96-1	
Thorium-228	HSL-300	**0.412 ± 0.092 (0.058)** **C:NA T:61%**	pCi/g	12/18/14 11:58	14274-82-9	N2
Thorium-230	HSL-300	**0.336 ± 0.073 (0.025)** **C:NA T:61%**	pCi/g	12/18/14 11:58	14269-63-7	N2
Thorium-232	HSL-300	**0.362 ± 0.076 (0.005)** **C:NA T:61%**	pCi/g	12/18/14 11:58	7440-29-1	N2
U-233/234	HSL-300	**0.286 ± 0.065 (0.025)** **C:NA T:97%**	pCi/g	12/17/14 15:15		N2
U-235/236	HSL-300	**0.018 ± 0.017 (0.022)** **C:NA T:97%**	pCi/g	12/17/14 15:15		N2
Uranium-238	HSL-300	**0.304 ± 0.068 (0.021)** **C:NA T:97%**	pCi/g	12/17/14 15:15		N2

Sample: SBFT-16 (10-15) **Lab ID: 30135050009** Collected: 11/19/14 13:07 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**-0.021 ± 0.822 (0.158)** **C:NA T:NA**	pCi/g	12/24/14 11:16	14331-83-0	
Bismuth-212	EPA 901.1	**-0.146 ± 3.580 (1.144)** **C:NA T:NA**	pCi/g	12/24/14 11:16	14913-49-6	
Bismuth-214	EPA 901.1	**0.084 ± 0.083 (0.138)**	pCi/g	12/24/14 11:16	14733-03-0	
Lead-210	EPA 901.1	**0.343 ± 0.794 (1.451)** **C:NA T:NA**	pCi/g	12/24/14 11:16	14255-04-0	
Lead-212	EPA 901.1	**0.071 ± 0.062 (0.101)** **C:NA T:NA**	pCi/g	12/24/14 11:16	15092-94-1	
Lead-214	EPA 901.1	**0.043 ± 0.078 (0.142)**	pCi/g	12/24/14 11:16	15067-28-4	
Potassium-40	EPA 901.1	**0.747 ± 0.609 (0.971)** **C:NA T:NA**	pCi/g	12/24/14 11:16	13966-00-2	
Protactinium-231	EPA 901.1	**0.026 ± 1.076 (2.141)** **C:NA T:NA**	pCi/g	12/24/14 11:16	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.424 ± 27.797 (10.380)** **C:NA T:NA**	pCi/g	12/24/14 11:16	15100-28-4	
Radium-226	EPA 901.1	**0.065 ± 0.065 (0.138)** **C:NA T:NA**	pCi/g	12/24/14 11:16	13982-63-3	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Sample: SBFT-16 (10-15) **Lab ID: 30135050009** Collected: 11/19/14 13:07 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radium-228	EPA 901.1	**-0.021 ± 0.822 (0.158) C:NA T:NA**	pCi/g	12/24/14 11:16	15262-20-1	
Thallium-208	EPA 901.1	**0.025 ± 0.044 (0.078) C:NA T:NA**	pCi/g	12/24/14 11:16	14913-50-9	
Thorium-234	EPA 901.1	**-0.072 ± 1.999 (0.989) C:NA T:NA**	pCi/g	12/24/14 11:16	15065-10-8	
Uranium-235	EPA 901.1	**-0.001 ± 0.038 (0.072) C:NA T:NA**	pCi/g	12/24/14 11:16	15117-96-1	
Thorium-228	HSL-300	**0.164 ± 0.044 (0.034) C:NA T:84%**	pCi/g	12/18/14 11:58	14274-82-9	N2
Thorium-230	HSL-300	**0.110 ± 0.029 (0.011) C:NA T:84%**	pCi/g	12/18/14 11:58	14269-63-7	N2
Thorium-232	HSL-300	**0.153 ± 0.036 (0.003) C:NA T:84%**	pCi/g	12/18/14 11:58	7440-29-1	N2
U-233/234	HSL-300	**0.135 ± 0.039 (0.025) C:NA T:101%**	pCi/g	12/17/14 15:15		N2
U-235/236	HSL-300	**0.013 ± 0.014 (0.020) C:NA T:101%**	pCi/g	12/17/14 15:15		N2
Uranium-238	HSL-300	**0.137 ± 0.040 (0.027) C:NA T:101%**	pCi/g	12/17/14 15:15		N2

Sample: SBFT-17 (0-5) **Lab ID: 30135050010** Collected: 11/19/14 10:50 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.886 ± 0.290 (0.511) C:NA T:NA**	pCi/g	12/24/14 11:52	14331-83-0	
Bismuth-212	EPA 901.1	**0.579 ± 1.101 (1.954) C:NA T:NA**	pCi/g	12/24/14 11:52	14913-49-6	
Bismuth-214	EPA 901.1	**0.697 ± 0.247 (0.194)**	pCi/g	12/24/14 11:52	14733-03-0	
Lead-210	EPA 901.1	**1.353 ± 1.500 (2.464) C:NA T:NA**	pCi/g	12/24/14 11:52	14255-04-0	
Lead-212	EPA 901.1	**1.121 ± 0.285 (0.200) C:NA T:NA**	pCi/g	12/24/14 11:52	15092-94-1	
Lead-214	EPA 901.1	**0.930 ± 0.251 (0.153)**	pCi/g	12/24/14 11:52	15067-28-4	
Potassium-40	EPA 901.1	**12.295 ± 2.842 (1.225) C:NA T:NA**	pCi/g	12/24/14 11:52	13966-00-2	
Protactinium-231	EPA 901.1	**-0.769 ± 2.883 (5.098) C:NA T:NA**	pCi/g	12/24/14 11:52	14331-85-2	
Protactinium-234M	EPA 901.1	**1.467 ± 10.228 (19.390) C:NA T:NA**	pCi/g	12/24/14 11:52	15100-28-4	
Radium-226	EPA 901.1	**0.810 ± 0.217 (0.194) C:NA T:NA**	pCi/g	12/24/14 11:52	13982-63-3	
Radium-228	EPA 901.1	**0.886 ± 0.290 (0.511) C:NA T:NA**	pCi/g	12/24/14 11:52	15262-20-1	
Thallium-208	EPA 901.1	**0.311 ± 0.103 (0.059) C:NA T:NA**	pCi/g	12/24/14 11:52	14913-50-9	
Thorium-234	EPA 901.1	**1.149 ± 1.089 (2.000) C:NA T:NA**	pCi/g	12/24/14 11:52	15065-10-8	
Uranium-235	EPA 901.1	**0.168 ± 0.075 (0.084) C:NA T:NA**	pCi/g	12/24/14 11:52	15117-96-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Sample: SBFT-17 (0-5) **Lab ID: 30135050010** Collected: 11/19/14 10:50 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Thorium-228	HSL-300	**0.783 ± 0.154 (0.062) C:NA T:51%**	pCi/g	12/18/14 11:58	14274-82-9	N2
Thorium-230	HSL-300	**0.651 ± 0.128 (0.028) C:NA T:51%**	pCi/g	12/18/14 11:58	14269-63-7	N2
Thorium-232	HSL-300	**0.759 ± 0.145 (0.006) C:NA T:51%**	pCi/g	12/18/14 11:58	7440-29-1	N2
U-233/234	HSL-300	**0.847 ± 0.143 (0.029) C:NA T:105%**	pCi/g	12/17/14 15:16		N2
U-235/236	HSL-300	**0.060 ± 0.027 (0.023) C:NA T:105%**	pCi/g	12/17/14 15:16		N2
Uranium-238	HSL-300	**0.780 ± 0.133 (0.018) C:NA T:105%**	pCi/g	12/17/14 15:16		N2

Sample: SBFT-18 (0-5) **Lab ID: 30135050011** Collected: 11/19/14 11:16 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.483 ± 0.245 (0.430) C:NA T:NA**	pCi/g	12/24/14 12:07	14331-83-0	
Bismuth-212	EPA 901.1	**0.718 ± 0.837 (1.391) C:NA T:NA**	pCi/g	12/24/14 12:07	14913-49-6	
Bismuth-214	EPA 901.1	**0.498 ± 0.174 (0.128)**	pCi/g	12/24/14 12:07	14733-03-0	
Lead-210	EPA 901.1	**0.195 ± 1.426 (2.614) C:NA T:NA**	pCi/g	12/24/14 12:07	14255-04-0	
Lead-212	EPA 901.1	**0.497 ± 0.169 (0.150) C:NA T:NA**	pCi/g	12/24/14 12:07	15092-94-1	
Lead-214	EPA 901.1	**0.629 ± 0.190 (0.133)**	pCi/g	12/24/14 12:07	15067-28-4	
Potassium-40	EPA 901.1	**4.592 ± 1.668 (1.660) C:NA T:NA**	pCi/g	12/24/14 12:07	13966-00-2	
Protactinium-231	EPA 901.1	**0.049 ± 1.913 (3.632) C:NA T:NA**	pCi/g	12/24/14 12:07	14331-85-2	
Protactinium-234M	EPA 901.1	**-2.437 ± 17.259 (17.110) C:NA T:NA**	pCi/g	12/24/14 12:07	15100-28-4	
Radium-226	EPA 901.1	**0.565 ± 0.132 (0.128) C:NA T:NA**	pCi/g	12/24/14 12:07	13982-63-3	
Radium-228	EPA 901.1	**0.483 ± 0.245 (0.430) C:NA T:NA**	pCi/g	12/24/14 12:07	15262-20-1	
Thallium-208	EPA 901.1	**0.304 ± 0.098 (0.055) C:NA T:NA**	pCi/g	12/24/14 12:07	14913-50-9	
Thorium-234	EPA 901.1	**0.486 ± 0.804 (1.694) C:NA T:NA**	pCi/g	12/24/14 12:07	15065-10-8	
Uranium-235	EPA 901.1	**0.092 ± 0.092 (0.115) C:NA T:NA**	pCi/g	12/24/14 12:07	15117-96-1	
Thorium-228	HSL-300	**0.641 ± 0.120 (0.043) C:NA T:68%**	pCi/g	12/18/14 11:58	14274-82-9	N2
Thorium-230	HSL-300	**0.450 ± 0.086 (0.011) C:NA T:68%**	pCi/g	12/18/14 11:58	14269-63-7	N2
Thorium-232	HSL-300	**0.562 ± 0.104 (0.011) C:NA T:68%**	pCi/g	12/18/14 11:58	7440-29-1	N2
U-233/234	HSL-300	**0.442 ± 0.086 (0.031) C:NA T:107%**	pCi/g	12/17/14 15:16		N2

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Sample: SBFT-18 (0-5) **Lab ID: 30135050011** Collected: 11/19/14 11:16 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
U-235/236	HSL-300	**0.023 ± 0.017 (0.019) C:NA T:107%**	pCi/g	12/17/14 15:16		N2
Uranium-238	HSL-300	**0.417 ± 0.082 (0.029) C:NA T:107%**	pCi/g	12/17/14 15:16		N2

Sample: SBFT-19 (0-5) **Lab ID: 30135050012** Collected: 11/19/14 11:29 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.691 ± 0.319 (0.594) C:NA T:NA**	pCi/g	12/24/14 12:27	14331-83-0	
Bismuth-212	EPA 901.1	**0.885 ± 1.029 (1.700) C:NA T:NA**	pCi/g	12/24/14 12:27	14913-49-6	
Bismuth-214	EPA 901.1	**0.941 ± 0.283 (0.195)**	pCi/g	12/24/14 12:27	14733-03-0	
Lead-210	EPA 901.1	**1.257 ± 1.683 (2.827) C:NA T:NA**	pCi/g	12/24/14 12:27	14255-04-0	
Lead-212	EPA 901.1	**0.821 ± 0.231 (0.197) C:NA T:NA**	pCi/g	12/24/14 12:27	15092-94-1	
Lead-214	EPA 901.1	**1.010 ± 0.262 (0.151)**	pCi/g	12/24/14 12:27	15067-28-4	
Potassium-40	EPA 901.1	**-0.386 ± 15.455 (5.458) C:NA T:NA**	pCi/g	12/24/14 12:27	13966-00-2	
Protactinium-231	EPA 901.1	**0.396 ± 2.595 (4.718) C:NA T:NA**	pCi/g	12/24/14 12:27	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.725 ± 99.856 (18.100) C:NA T:NA**	pCi/g	12/24/14 12:27	15100-28-4	
Radium-226	EPA 901.1	**0.958 ± 0.199 (0.195) C:NA T:NA**	pCi/g	12/24/14 12:27	13982-63-3	
Radium-228	EPA 901.1	**0.691 ± 0.319 (0.594) C:NA T:NA**	pCi/g	12/24/14 12:27	15262-20-1	
Thallium-208	EPA 901.1	**0.290 ± 0.121 (0.104) C:NA T:NA**	pCi/g	12/24/14 12:27	14913-50-9	
Thorium-234	EPA 901.1	**0.814 ± 0.959 (2.039) C:NA T:NA**	pCi/g	12/24/14 12:27	15065-10-8	
Uranium-235	EPA 901.1	**0.084 ± 0.077 (0.127) C:NA T:NA**	pCi/g	12/24/14 12:27	15117-96-1	
Thorium-228	HSL-300	**0.939 ± 0.179 (0.065) C:NA T:47%**	pCi/g	12/18/14 11:58	14274-82-9	N2
Thorium-230	HSL-300	**0.748 ± 0.144 (0.030) C:NA T:47%**	pCi/g	12/18/14 11:58	14269-63-7	N2
Thorium-232	HSL-300	**0.926 ± 0.172 (0.024) C:NA T:47%**	pCi/g	12/18/14 11:58	7440-29-1	N2
U-233/234	HSL-300	**0.637 ± 0.119 (0.040) C:NA T:89%**	pCi/g	12/18/14 08:24		N2
U-235/236	HSL-300	**0.024 ± 0.022 (0.032) C:NA T:89%**	pCi/g	12/18/14 08:24		N2
Uranium-238	HSL-300	**0.602 ± 0.112 (0.021) C:NA T:89%**	pCi/g	12/18/14 08:24		N2

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Sample: SBFT-19 (5-10) **Lab ID: 30135050013** Collected: 11/19/14 11:36 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.825 ± 0.375 (0.404)** **C:NA T:NA**	pCi/g	12/24/14 12:44	14331-83-0	
Bismuth-212	EPA 901.1	**0.433 ± 1.096 (1.984)** **C:NA T:NA**	pCi/g	12/24/14 12:44	14913-49-6	
Bismuth-214	EPA 901.1	**1.002 ± 0.278 (0.179)**	pCi/g	12/24/14 12:44	14733-03-0	
Lead-210	EPA 901.1	**1.599 ± 1.793 (2.938)** **C:NA T:NA**	pCi/g	12/24/14 12:44	14255-04-0	
Lead-212	EPA 901.1	**1.075 ± 0.249 (0.169)** **C:NA T:NA**	pCi/g	12/24/14 12:44	15092-94-1	
Lead-214	EPA 901.1	**1.050 ± 0.271 (0.178)**	pCi/g	12/24/14 12:44	15067-28-4	
Potassium-40	EPA 901.1	**9.143 ± 2.442 (1.857)** **C:NA T:NA**	pCi/g	12/24/14 12:44	13966-00-2	
Protactinium-231	EPA 901.1	**0.191 ± 2.585 (4.716)** **C:NA T:NA**	pCi/g	12/24/14 12:44	14331-85-2	
Protactinium-234M	EPA 901.1	**-2.887 ± 15.628 (17.040)** **C:NA T:NA**	pCi/g	12/24/14 12:44	15100-28-4	
Radium-226	EPA 901.1	**1.023 ± 0.262 (0.179)** **C:NA T:NA**	pCi/g	12/24/14 12:44	13982-63-3	
Radium-228	EPA 901.1	**0.825 ± 0.375 (0.404)** **C:NA T:NA**	pCi/g	12/24/14 12:44	15262-20-1	
Thallium-208	EPA 901.1	**0.409 ± 0.129 (0.086)** **C:NA T:NA**	pCi/g	12/24/14 12:44	14913-50-9	
Thorium-234	EPA 901.1	**2.882 ± 1.241 (1.473)** **C:NA T:NA**	pCi/g	12/24/14 12:44	15065-10-8	
Uranium-235	EPA 901.1	**0.106 ± 0.103 (0.128)** **C:NA T:NA**	pCi/g	12/24/14 12:44	15117-96-1	
Thorium-228	HSL-300	**1.12 ± 0.223 (0.090)** **C:NA T:42%**	pCi/g	12/18/14 12:22	14274-82-9	N2
Thorium-230	HSL-300	**0.916 ± 0.185 (0.053)** **C:NA T:42%**	pCi/g	12/18/14 12:22	14269-63-7	N2
Thorium-232	HSL-300	**1.07 ± 0.209 (0.037)** **C:NA T:42%**	pCi/g	12/18/14 12:22	7440-29-1	N2
U-233/234	HSL-300	**0.723 ± 0.139 (0.041)** **C:NA T:75%**	pCi/g	12/18/14 08:25		N2
U-235/236	HSL-300	**0.057 ± 0.032 (0.028)** **C:NA T:75%**	pCi/g	12/18/14 08:25		N2
Uranium-238	HSL-300	**0.714 ± 0.136 (0.027)** **C:NA T:75%**	pCi/g	12/18/14 08:25		N2

Sample: SBOF-2 (0-5) **Lab ID: 30135050014** Collected: 11/19/14 08:21 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.210 ± 0.241 (0.406)** **C:NA T:NA**	pCi/g	12/24/14 13:01	14331-83-0	
Bismuth-212	EPA 901.1	**-0.132 ± 5.300 (1.993)** **C:NA T:NA**	pCi/g	12/24/14 13:01	14913-49-6	
Bismuth-214	EPA 901.1	**0.497 ± 0.168 (0.119)**	pCi/g	12/24/14 13:01	14733-03-0	
Lead-210	EPA 901.1	**-0.219 ± 8.747 (3.443)** **C:NA T:NA**	pCi/g	12/24/14 13:01	14255-04-0	
Lead-212	EPA 901.1	**0.559 ± 0.155 (0.137)** **C:NA T:NA**	pCi/g	12/24/14 13:01	15092-94-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

Sample: SBOF-2 (0-5) **Lab ID: 30135050014** Collected: 11/19/14 08:21 Received: 11/22/14 11:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Lead-214	EPA 901.1	**0.533 ± 0.168 (0.124)**	pCi/g	12/24/14 13:01	15067-28-4	
Potassium-40	EPA 901.1	**8.007 ± 2.059 (1.068)** **C:NA T:NA**	pCi/g	12/24/14 13:01	13966-00-2	
Protactinium-231	EPA 901.1	**0.447 ± 1.900 (3.455)** **C:NA T:NA**	pCi/g	12/24/14 13:01	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.731 ± 29.255 (6.507)** **C:NA T:NA**	pCi/g	12/24/14 13:01	15100-28-4	
Radium-226	EPA 901.1	**0.513 ± 0.128 (0.119)** **C:NA T:NA**	pCi/g	12/24/14 13:01	13982-63-3	
Radium-228	EPA 901.1	**0.210 ± 0.241 (0.406)** **C:NA T:NA**	pCi/g	12/24/14 13:01	15262-20-1	
Thallium-208	EPA 901.1	**0.163 ± 0.078 (0.088)** **C:NA T:NA**	pCi/g	12/24/14 13:01	14913-50-9	
Thorium-234	EPA 901.1	**-0.887 ± 1.390 (1.683)** **C:NA T:NA**	pCi/g	12/24/14 13:01	15065-10-8	
Uranium-235	EPA 901.1	**0.093 ± 0.067 (0.091)** **C:NA T:NA**	pCi/g	12/24/14 13:01	15117-96-1	
Thorium-228	HSL-300	**0.478 ± 0.102 (0.058)** **C:NA T:81%**	pCi/g	12/18/14 12:22	14274-82-9	N2
Thorium-230	HSL-300	**0.323 ± 0.072 (0.033)** **C:NA T:81%**	pCi/g	12/18/14 12:22	14269-63-7	N2
Thorium-232	HSL-300	**0.371 ± 0.078 (0.025)** **C:NA T:81%**	pCi/g	12/18/14 12:22	7440-29-1	N2
U-233/234	HSL-300	**0.253 ± 0.058 (0.034)** **C:NA T:116%**	pCi/g	12/18/14 08:25		N2
U-235/236	HSL-300	**0.002 ± 0.020 (0.039)** **C:NA T:116%**	pCi/g	12/18/14 08:25		N2
Uranium-238	HSL-300	**0.312 ± 0.066 (0.027)** **C:NA T:116%**	pCi/g	12/18/14 08:25		N2

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Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

QC Batch:	RADC/22479	Analysis Method:	EPA 901.1
QC Batch Method:	EPA 901.1	Analysis Description:	901.1 Gamma Spec Ingrowth

Associated Lab Samples: 30135050002, 30135050003

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

QC Batch:	RADC/22482	Analysis Method:	EPA 901.1
QC Batch Method:	EPA 901.1	Analysis Description:	901.1 Gamma Spec Ingrowth

Associated Lab Samples: 30135050001, 30135050004, 30135050005, 30135050006, 30135050007, 30135050008, 30135050009, 30135050010, 30135050011, 30135050012, 30135050013, 30135050014

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

QC Batch: RADC/22460 Analysis Method: HSL-300
QC Batch Method: HSL-300 Analysis Description: HSL300(AS) Actinides
Associated Lab Samples: 30135050001, 30135050002, 30135050003, 30135050004, 30135050005, 30135050006, 30135050007, 30135050008, 30135050009, 30135050010, 30135050011, 30135050012, 30135050013

METHOD BLANK: 825439 Matrix: Solid
Associated Lab Samples: 30135050001, 30135050002, 30135050003, 30135050004, 30135050005, 30135050006, 30135050007, 30135050008, 30135050009, 30135050010, 30135050011, 30135050012, 30135050013, 30135050014

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Thorium-228	0.042 ± 0.025 (0.032) C:NA T:86%	pCi/g	12/18/14 08:26	N2
Thorium-230	0.006 ± 0.009 (0.015) C:NA T:86%	pCi/g	12/18/14 08:26	N2
Thorium-232	-0.002 ± 0.009 (0.019) C:NA T:86%	pCi/g	12/18/14 08:26	N2
U-233/234	0.022 ± 0.016 (0.022) C:NA T:111%	pCi/g	12/17/14 15:02	N2
U-235/236	-0.001 ± 0.009 (0.015) C:NA T:111%	pCi/g	12/17/14 15:02	N2
Uranium-238	0.012 ± 0.012 (0.019) C:NA T:111%	pCi/g	12/17/14 15:02	N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: 1411D65 Gannett & Fleming
Pace Project No.: 30135050

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2 The lab does not hold TNI accreditation for this parameter.

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Pace Analytical™

CHAIN OF CUSTODY RECORD

Omega COCID 2188 | PAGE: 1 | OF: 4

ADDRESS
PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040
FAX: (631) 420-8436
Website: www.pacelabs.com

ASR-0555

SUB CONTRATOR:	PACE-Pennsylvania	COMPANY:	Pace Analytical Service, Inc.
ADDRESS:	1638 Roseytown Road Suites 2,3,&4		
CITY, STATE, ZIP:	Greensburg, PA 15601		
PHONE:	(724) 850-5600	FAX:	(724) 850-5601
ACCOUNT #:		EMAIL:	

SPECIAL INSTRUCTIONS / COMMENTS:

Please analyze for Uranium, Thorium, and Gamma Spec. If you have any questions, please contact Jennifer Aracri at ext. 1211. Note: fractions D and E share the same 8 oz jar. Thanks!!

30135050

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description	
1	1411D65-001D	SBFT-14 (0-5)	8-ozJAR	Soil	11/19/2014 10:08:00 AM	1	Uranium, Gamma Spec	001
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)							
2	1411D65-001E	SBFT-14 (0-5)	8-ozJAR	Soil	11/19/2014 10:08:00 AM	1	Thorium	↓
	SUBCONTRACT (SUB)							
3	1411D65-002D	SBFT-14 (5-10)	8-ozJAR	Soil	11/19/2014 10:20:00 AM	1	Uranium, Gamma Spec	002
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)							
4	1411D65-002E	SBFT-14 (5-10)	8-ozJAR	Soil	11/19/2014 10:20:00 AM	1	Thorium	↓
	SUBCONTRACT (SUB)							
5	1411D65-003D	SBFT-14 (10-15)	8-ozJAR	Soil	11/19/2014 10:32:00 AM	1	Uranium, Gamma Spec	003
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)							
6	1411D65-003E	SBFT-14 (10-15)	8-ozJAR	Soil	11/19/2014 10:32:00 AM	1	Thorium	↓
	SUBCONTRACT (SUB)							
7	1411D65-004D	SBFT-15 (0-5)	8-ozJAR	Soil	11/19/2014 12:20:00 PM	1	Uranium, Gamma Spec	004
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)							
8	1411D65-004E	SBFT-15 (0-5)	8-ozJAR	Soil	11/19/2014 12:20:00 PM	1	Thorium	↓
	SUBCONTRACT (SUB)							
9	1411D65-005D	SBFT-15 (5-10)	8-ozJAR	Soil	11/19/2014 12:19:00 PM	1	Uranium, Gamma Spec	005
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)							

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	11-21-14	1800	Alyma R. Muchoney	11/22/14	1115
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:

☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples 2.2 °C Attempt to Cool ?

Comments

Pace Analytical™

CHAIN OF CUSTODY RECORD

Omega COCID 2188 | PAGE: 2 | OF: 4

ADDRESS
PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040
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Website: www.pacelabs.com

SUB CONTRATOR: **PACE-Pennsylvania** COMPANY: **Pace Analytical Service, Inc.**
ADDRESS: **1638 Roseytown Road Suites 2,3,&4**
CITY, STATE, ZIP: **Greensburg, PA 15601**
PHONE: **(724) 850-5600** FAX: **(724) 850-5601**
ACCOUNT #: EMAIL:

SPECIAL INSTRUCTIONS / COMMENTS:
Please analyze for Uranium, Thorium, and Gamma Spec. If you have any questions, please contact Jennifer Aracri at ext. 1211. Note: fractions D and E share the same 8 oz jar. Thanks!!

30135050

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
10	1411D65-005E	SBFT-15 (5-10)	8-ozJAR	Soil	11/19/2014 12:19:00 PM	1	Thorium ~~006~~ 005
	SUBCONTRACT (SUB)						
11	1411D65-006D	SBFT-15 (10-15)	8-ozJAR	Soil	11/19/2014 12:27:00 PM	1	Uranium, Gamma Spec ~~007~~ 006
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
12	1411D65-006E	SBFT-15 (10-15)	8-ozJAR	Soil	11/19/2014 12:27:00 PM	1	Thorium
	SUBCONTRACT (SUB)						
13	1411D65-007D	SBFT-16 (0-5)	8-ozJAR	Soil	11/19/2014 12:45:00 PM	1	Uranium, Gamma Spec ~~008~~ 007
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
14	1411D65-007E	SBFT-16 (0-5)	8-ozJAR	Soil	11/19/2014 12:45:00 PM	1	Thorium
	SUBCONTRACT (SUB)						
15	1411D65-008D	SBFT-16 (5-10)	8-ozJAR	Soil	11/19/2014 12:54:00 PM	1	Uranium, Gamma Spec ~~009~~ 008
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
16	1411D65-008E	SBFT-16 (5-10)	8-ozJAR	Soil	11/19/2014 12:54:00 PM	1	Thorium
	SUBCONTRACT (SUB)						
17	1411D65-009D	SBFT-16 (10-15)	8-ozJAR	Soil	11/19/2014 1:07:00 PM	1	Uranium, Gamma Spec ~~010~~ 009
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
18	1411D65-009E	SBFT-16 (10-15)	8-ozJAR	Soil	11/19/2014 1:07:00 PM	1	Thorium
	SUBCONTRACT (SUB)						

LEU 11/22/14

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	11-21-14	1800	Alyme R Muchoney	11/22/14	1115
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples 2.2 °C Attempt to Cool ?
Comments

CHAIN OF CUSTODY RECORD

Omega COCID 2188	PAGE: 3	OF: 4

ADDRESS
PACE ANALYTICAL
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Melville, NY 11747
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ADDRESS: **1638 Roseytown Road Suites 2,3,&4**
CITY, STATE, ZIP: **Greensburg, PA 15601**
PHONE: **(724) 850-5600** FAX: **(724) 850-5601**
ACCOUNT #: EMAIL:

SPECIAL INSTRUCTIONS / COMMENTS:
Please analyze for Uranium, Thorium, and Gamma Spec. If you have any questions, please contact Jennifer Aracri at ext. 1211.
Note: fractions D and E share the same 8 oz jar. Thanks!!

30135050

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
19	1411D65-010D	SBFT-17 (0-5)	8-ozJAR	Soil	11/19/2014 10:50:00 AM	1	Uranium, Gamma Spec 010
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
20	1411D65-010E	SBFT-17 (0-5)	8-ozJAR	Soil	11/19/2014 10:50:00 AM	1	Thorium
	SUBCONTRACT (SUB)						
21	1411D65-011D	SBFT-18 (0-5)	8-ozJAR	Soil	11/19/2014 11:16:00 AM	1	Uranium, Gamma Spec 011
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
22	1411D65-011E	SBFT-18 (0-5)	8-ozJAR	Soil	11/19/2014 11:16:00 AM	1	Thorium
	SUBCONTRACT (SUB)						
23	1411D65-012D	SBFT-19 (0-5)	8-ozJAR	Soil	11/19/2014 11:29:00 AM	1	Uranium, Gamma Spec 012
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
24	1411D65-012E	SBFT-19 (0-5)	8-ozJAR	Soil	11/19/2014 11:29:00 AM	1	Thorium
	SUBCONTRACT (SUB)						
25	1411D65-013D	SBFT-19 (5-10)	8-ozJAR	Soil	11/19/2014 11:36:00 AM	1	Uranium, Gamma Spec 013
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						
26	1411D65-013E	SBFT-19 (5-10)	8-ozJAR	Soil	11/19/2014 11:36:00 AM	1	Thorium
	SUBCONTRACT (SUB)						
27	1411D65-014D	SBOF-2 (0-5)	8-ozJAR	Soil	11/19/2014 8:21:00 AM	1	Uranium, Gamma Spec 014
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)						

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	11-21-14	1800	Alma R. Muchmey	11/22/14	1115
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples 2.2 °C Attempt to Cool ? _____
Comments: _____

Pace Analytical

CHAIN OF CUSTODY RECORD

Omega COCID 2188	PAGE: 4	OF: 4

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CITY, STATE, ZIP:	Greensburg, PA 15601		
PHONE:	(724) 850-5600	FAX:	(724) 850-5601
ACCOUNT #:		EMAIL:	

SPECIAL INSTRUCTIONS / COMMENTS:

Please analyze for Uranium, Thorium, and Gamma Spec. If you have any questions, please contact Jennifer Aracri at ext. 1211. Note: fractions D and E share the same 8 oz jar. Thanks!!

30135050

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
28	1411D65-014E	SBOF-2 (0-5)	8-ozJAR	Soil	11/19/2014 8:21:00 AM	1	Thorium
	SUBCONTRACT (SUB)						

Relinquished By:	Date: 11-21-14	Time: 1800	Received By: Alyma K Mahoney	Date: 11/22/14	Time: 1115
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:

☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples 2.2 °C Attempt to Cool ? _____

Comments: _____

Sample Condition Upon Receipt

Pace Analytical

Client Name: Pace L.I

Project # 30135050

ARM

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 771954524865

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no **Biological Tissue is Frozen:** Yes No

Packing Material: Bubble Wrap ✓ Bubble Bags ✓ None ___ Other _____

Thermometer Used 8 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temp.: Observed Temp.: 2.1 °C **Correction Factor:** -0.1 °C **Final Temp:** 2.2 °C

Date and Initials of person examining contents: ARM 11/22/14

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☑No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☐Yes ☑No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SL		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☑No	Initial when completed ARM / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Carmo Bonin **Date:** 11/24/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical

Project Number: 30135050

Client Name: PACE L.I.

Item No.	Matrix Code	Glass Jar (120 / 250 / 500 / 1L)	Soil kit (2 SB, 1M, soil jar)	Chemistry (250 / 500 / 1L)	Organics (1L)	Nutrient (250 / 500)	Phenolics (250 ml)	TOC (40 ml / 250 ml)	TOX (250 ml)	Total Metals	Dissolved Metals preserved Y N	O & G (1L)	TPH (1L)	VOA (40 ml 30 ml)	Cyanide (250 ml)	Sulfide (500 ml)	Bacteria (120 ml)	Wipes / swipe/ smear/ filter	Radchem Nalgene (125 / 250 / 500 / 1L)	Radchem Nalgene (1/2 gal. / 1 gal.L)	Cubitainer (500 ml / 4L)	Ziploc	Other	Other
001	SL	1																						
004	SL	1																						

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/19/2014 10:08:00 AM
Received : 11/19/2014 2:51:00 PM
Collected By G&F99

Lab No. : 1411D65-001
Client Sample ID: SBFT-14 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 12/26/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/19/2014 10:20:00 AM
Received : 11/19/2014 2:51:00 PM
Collected By G&F99

Lab No. : 1411D65-002
Client Sample ID: SBFT-14 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 12/26/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/19/2014 10:32:00 AM
Received : 11/19/2014 2:51:00 PM
Collected By G&F99

Lab No. : 1411D65-003
Client Sample ID: SBFT-14 (10-15)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/19/2014 12:20:00 PM
Received : 11/19/2014 2:51:00 PM
Collected By G&F99

Lab No. : 1411D65-004
Client Sample ID: SBFT-15 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/19/2014 12:19:00 PM
Received : 11/19/2014 2:51:00 PM
Collected By G&F99

Lab No. : 1411D65-005
Client Sample ID: SBFT-15 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/19/2014 12:27:00 PM
Received : 11/19/2014 2:51:00 PM
Collected By G&F99

Lab No. : 1411D65-006
Client Sample ID: SBFT-15 (10-15)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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D.F. = Dilution Factor D = Results for Dilution
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/19/2014 12:45:00 PM
Received : 11/19/2014 2:51:00 PM
Collected By G&F99

Lab No. : 1411D65-007
Client Sample ID: SBFT-16 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Client Services Manager

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LABORATORY RESULTS

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/19/2014 12:54:00 PM
Received : 11/19/2014 2:51:00 PM
Collected By G&F99

Lab No. : 1411D65-008
Client Sample ID: SBFT-16 (5-10)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/19/2014 1:07:00 PM
Received : 11/19/2014 2:51:00 PM
Collected By G&F99

Lab No. : 1411D65-009
Client Sample ID: SBFT-16 (10-15)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
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J = Estimated value - below calibration range
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/19/2014 10:50:00 AM
Received : 11/19/2014 2:51:00 PM
Collected By G&F99

Lab No. : 1411D65-010
Client Sample ID: SBFT-17 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
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J = Estimated value - below calibration range
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NYSDOH ID#10478 www.pacelabs.com

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/19/2014 11:16:00 AM
Received : 11/19/2014 2:51:00 PM
Collected By G&F99

Lab No. : 1411D65-011
Client Sample ID: SBFT-18 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/17/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
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LABORATORY RESULTS

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/19/2014 11:29:00 AM
Received : 11/19/2014 2:51:00 PM
Collected By G&F99

Lab No. : 1411D65-012
Client Sample ID: SBFT-19 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
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LABORATORY RESULTS

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/19/2014 11:36:00 AM
Received : 11/19/2014 2:51:00 PM
Collected By G&F99

Lab No. : 1411D65-013
Client Sample ID: SBFT-19 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 11/19/2014 8:21:00 AM
Received : 11/19/2014 2:51:00 PM
Collected By G&F99

Lab No. : 1411D65-014
Client Sample ID: SBOF-2 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	12/18/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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D.F. = Dilution Factor D = Results for Dilution
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Date Reported : 12/26/2014

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF** Date and Time Received: **11/19/2014 2:51:00 PM**

Work Order Number: **1411D65** RcptNo: **1** Received by **MelissaWatson**

Completed by: Reviewed by:

Completed Date: 11/19/2014 7:23:47 PM Reviewed Date: 11/24/2014 8:33:39 PM

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☐	No ☑		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	1.1 º
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

Sample SBOF-2 (0-5) was received in the cooler but was not listed on the paperwork.

CorrectiveAction:

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1411D65

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

575 Broad Hollow Road , Melville, NY 11747
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LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Peter Papamichael
Collected : 11/17/2014 11:29:00 AM
Received : 11/17/2014 5:30:00 PM
Collected By GNF

Lab No. : 1412J39-001
Client Sample ID: SBFT-2 (5-10)

Sample Information:
Type :
Origin:

Analytical Method: SW1311/6010C : Prep Method: SW3005A Prep Date: 1/2/2015 9:26:00 AM Analyst: JA

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Lead	0.468	H	1	mg/L	01/02/2015 7:53 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 1/6/2015

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797

Attn To : Peter Papamichael

Collected : 11/17/2014 1:03:00 PM
Received : 11/17/2014 5:30:00 PM
Collected By GNF

Lab No. : 1412J39-002
Client Sample ID: SBFT-5 (0-5)

Sample Information:
Type :

Origin:

Analytical Method: SW1311/6010C : Prep Method: SW3005A Prep Date: 1/2/2015 9:26:00 AM Analyst: JA

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Lead	1.22	H	1	mg/L	01/02/2015 7:59 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 1/6/2015

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Peter Papamichael
Collected : 11/17/2014 1:10:00 PM
Received : 11/17/2014 5:30:00 PM
Collected By GNF

Lab No. : 1412J39-003
Client Sample ID: SBFT-5 (5-10)

Sample Information:
Type :

Origin:

Analytical Method: SW1311/6010C : Prep Method: SW3005A Prep Date: 1/2/2015 9:26:00 AM Analyst: JA

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Chromium	< 1.00	H	1	mg/L	01/02/2015 8:06 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 1/6/2015

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040

Quality Control Report

PACE ANALYTICAL

10478

Analysis: **ICP METALS, TCLP Leached** **WorkOrder:** **1412J39**

Method: **1311_M** **Lab Batch ID:** **47858**

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 1412J76-009A

RunID: 67740 SeqNo 1473591 Units: mg/L

Analysis Date: 1/2/2015 8:48:49 PM Analyst: HT

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	Low Limit	High Limit	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chromium	0.004600	1.000	< 1.00	98.6	75	125								
Lead	0.1572	1.000	1.10	94.2	75	125								

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
PL	Permit Limit	RL	Reporting Detection Limit

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1412J39

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

ANALYTICAL DATA PACKAGE
ASP A PACKAGE

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GANNETT & FLEMING
SAMPLES RECEIVED: 10/21/14 & 10/23/14
SOIL SAMPLES
SDG NO.: GNF004

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- B. SEMIVOLATILES
- C. PESTICIDES/PCBs
- D. HERBICIDES
- E. METALS

Pace Long Island

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I. SDG NARRATIVE

Pace Long Island

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fax 631.420.8436

SDG NARRATIVE FOR VOLATILES ANALYSIS
SAMPLE(S) RECEIVED: 10/21/14 & 10/23/14
SDG#: GNF004

For Sample(s):

SBOF-1	SSBR-4 (0-5)	SSBR-6 (5-10)
SSBR-1 (1-5)	SSBR-4 (5-10)	SSBR-6 (10-15)
SSBR-1 (5-10)	SSBR-4 (10-15)	SSBR-6 (15-20)
SSBR-2 (0-5)	SSBR-5 (0-5)	SSBR-11 (0-5)
SSBR-2 (5-10)	SSBR-5 (5-10)	SSBR-11 (5-10)
SSBR-3 (0-5)	SSBR-5 (10-15)	SSBR-11 (10-15)
SSBR-3 (5-10)	SSBR-6 (0-5)	

The above sample(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260C and reported in accordance with the NYS ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/matrix spike duplicate analysis. Lab fortified blanks were analyzed, and all percent recoveries were within Q. C. limits.

In the initial calibration, average response factors were employed for most analytes, and regression function(s) was/were used for the compound(s) with an RSD above 20%. If variability criteria for the continuous calibration checks (CCV) of 20%D were not met, data are regarded estimated and are flagged with a "Z" qualifier.

Acetone, 2 butanone, methylene chloride and chloroform were present in the method blank. These analytes were flagged with a "B" qualifier if present in samples associated with this blank.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 5, 2014

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* *
* *
****
Joann M. Slavin
General Manager

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ANALYSES
SAMPLE(S) RECEIVED: 10/21/14 – 10/23/14
SDG #: GNF004

For Sample(s):

SBOF-1	SSBR-3 (5-10)	SSBR-5 (10-15)	SSBR-11 (5-10)
SSBR-1 (1-5)	SSBR-4 (0-5)	SSBR-6 (0-5)	SSBR-11 (10-15)
SSBR-1 (5-10)	SSBR-4 (5-10)	SSBR-6 (5-10)	
SSBR-2 (0-5)	SSBR-4 (10-15)	SSBR-6 (10-15)	
SSBR-2 (5-10)	SSBR-5 (0-5)	SSBR-6 (15-20)	
SSBR-3 (0-5)	SSBR-5 (5-10)	SSBR-11 (0-5)	

The above sample(s) was/were analyzed for a select list of base/neutral extractables by EPA method 8270D.in accordance with the NYSDEC ASP, Rev. 7/2005, Category A.

All Q.C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

Sample SSBR-4 (0-5) was analyzed as the matrix spike/matrix spike duplicate. The percent recoveries for pentachloro-phenol and pyrene were above QC limits in the matrix spike. Lab fortified blanks were analyzed, and recoveries indicate good method efficiency.

In the initial calibrations, average response factors were employed for the compounds with RSDs up to 20%. The variability %D for pentachlorophenol in the CCV's also exceeded 20%. This sample is flagged with a "Z" qualifier indicating that is regarded estimated

Samples SSBR-1 (1-5), SSBR-2 (0-5), SSBR-2 (5-10), SSBR-3 (0-5), SSBR-3 (5-10), SSBR-4 (5-10), SSBR-6 (0-5) and SSBR-11 (0-5) all internal standard counts were confirmed in the reanalysis except for SSBR-3(0-5) and SSBR-6(0-5)

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Pace Long Island

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Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ANALYSES
SAMPLE(S) RECEIVED: 10/21/14 – 10/23/14
SDG #: GNF004

Date Reported: November 11, 2014

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Joann M. Slavin
General Manager

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLE(S) RECEIVED: 10/21/14 & 10/23/14
SDG#: GNF004

For Sample(s):

SBOF-1	SSBR-4 (0-5)	SSBR-6 (5-10)
SSBR-1 (1-5)	SSBR-4 (5-10)	SSBR-6 (10-15)
SSBR-1 (5-10)	SSBR-4 (10-15)	SSBR-6 (15-20)
SSBR-2 (0-5)	SSBR-5 (0-5)	SSBR-11 (0-5)
SSBR-2 (5-10)	SSBR-5 (5-10)	SSBR-11 (5-10)
SSBR-3 (0-5)	SSBR-5 (10-15)	SSBR-11 (10-15)
SSBR-3 (5-10)	SSBR-6 (0-5)	

The above soil sample(s) was/were analyzed for a select list of chlorinated pesticides and aroclors by methods 8081B and 8082A and reported according to the NYSDEC ASP, Rev. 7/2005, Category A.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

The concentrates were split and analyzed separately for pesticides and PCBs. The aliquots for aroclors analysis were cleaned up with sulfuric acid and TBA for sulfur removal. These aliquots for aroclors analysis are reported with an "A" suffix.

Five pesticide aliquots were also subjected to sulfur cleanup. They are identified with the suffix "S".

Sample SSBR-6 (15-20) was submitted for matrix spike/ matrix spike duplicate analysis. Recoveries and RPDs were within Q. C. limits. Lab fortified blanks were analyzed, and recoveries indicate good method efficiency for all targeted analytes.

Breakdown of 4,4'-DDT above the acceptance limit was observed for the continuous calibration checks (INDA/B or PEM) analyzed after the following samples: SBOF-1, SSBR-1 (1-5), SSBR-1 (5-10), SSBR-2 (0-5), SSBR-3 (0-5), SSBR-3 (5-10), SSBR-4 (0-5), SSBR-4 (5-10), SSBR-5 (0-5), SSBR-6 (0-5), SSBR-6 (5-10), and SSBR-11 (0-5). The samples where re-analyzed in a new sequence after remedial action to the instrument. Again, the samples caused non-compliant instrument performance after sample injection, which shows that the breakdown was due to the sample matrix. Only the original analyses are reported. Results for positives for 4,4'-DDT and its metabolites are regarded estimated as a result of the breakdown.

Pace Long Island

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Melville, NY 11747

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SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLE(S) RECEIVED: 10/21/14 & 10/23/14
SDG#: GNF004

Aroclors that could be present at low concentrations but would be masked by the overlapping pattern of another positive aroclor are flagged with the qualifier "x".

Positives are reported to the practical detection limits of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 17, 2014

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Ursula Middel
Quality Analyst

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSIS
SAMPLE(S) RECEIVED: 10/21/14 & 10/23/14
SDG#: GNF004

For Sample(s):

SBOF-1	SSBR-4 (0-5)	SSBR-6 (5-10)
SSBR-1 (1-5)	SSBR-4 (5-10)	SSBR-6 (10-15)
SSBR-1 (5-10)	SSBR-4 (10-15)	SSBR-6 (15-20)
SSBR-2 (0-5)	SSBR-5 (0-5)	SSBR-11 (0-5)
SSBR-2 (5-10)	SSBR-5 (5-10)	SSBR-11 (5-10)
SSBR-3 (0-5)	SSBR-5 (10-15)	SSBR-11 (10-15)
SSBR-3 (5-10)	SSBR-6 (0-5)	

The above soil sample(s) was/were analyzed for a select list of herbicides by method 8151A and reported according to the requirements of the NYS DEC ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the protocol, and no problems were encountered with sample analysis. The following should be noted:

Sample SSBR-11 (10-15) was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPDs met Q. C. limits. Lab fortified blanks were analyzed, and results indicate good method efficiency.

One sample, SSBR-1 (5-10), was subjected to TBA cleanup to remove sulfur.

Positives are reported to the practical detection limit (PDL) of half of the reporting limit (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 10, 2014

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Ursula Middel
Quality Analyst

Pace Long Island

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 10/21/14 & 10/23/14
SDG#: GNF004

For Sample(s):

SBOF-1	SSBR-4 (0-5)	SSBR-6 (5-10)
SSBR-1 (1-5)	SSBR-4 (5-10)	SSBR-6 (10-15)
SSBR-1 (5-10)	SSBR-4 (10-15)	SSBR-6 (15-20)
SSBR-2 (0-5)	SSBR-5 (0-5)	SSBR-11 (0-5)
SSBR-2 (5-10)	SSBR-5 (5-10)	SSBR-11 (5-10)
SSBR-3 (0-5)	SSBR-5 (10-15)	SSBR-11 (10-15)
SSBR-3 (5-10)	SSBR-6 (0-5)	

The above soil sample(s) was/were received by Pace Analytical Services Inc. for analysis of TAL metals and mercury. The samples were prepared and analyzed by EPA method 6010C with a TS ICAP 6000 instrument and EPA method 7470A with a Leeman HYDRA mercury analyzer.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SBOF-1 was selected for batch Q. C. analysis and reporting.

Spike analysis results did not meet acceptance criteria for manganese, selenium, and silver. The sample was post spiked, reanalyzed and recoveries were -43.7% for manganese, 99.4% for selenium, and 104.6% for silver. Data for these metals were flagged with the qualifier "N" on forms 1 and 5A.

The spike recovery was not within 75-125% for iron and lead. Since the sample concentration was greater than four times the spike concentration, the Q. C limits do not apply, and post spike and data qualifiers were not required.

Duplicate analysis did not meet acceptance criteria for aluminum and manganese. These metals were reported with the qualifier "*" on forms 1 and 6.

The ICP serial dilution analysis did not meet control limits for calcium, chromium, cobalt, iron, magnesium, and manganese. Data for these metals were reported flagged "E" on forms 1 and 9.

Pace Long Island

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 10/21/14 & 10/23/14
SDG#: GNF004

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 11, 2014

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* *
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Ursula Middel
Quality Analyst

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

II. NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: GNF004

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		GCSEMI	ME	MSSEMI	MSVOA	SUBPACE
SBOF-1	1410E14-001	X	X	X	X	X
SSBR-1 (1-5)	1410E14-002	X	X	X	X	X
SSBR-1 (5-10)	1410E14-003	X	X	X	X	X
SSBR-2 (0-5)	1410E14-004	X	X	X	X	X
SSBR-2 (5-10)	1410E14-005	X	X	X	X	X
SSBR-3 (0-5)	1410E14-006	X	X	X	X	X
SSBR-3 (5-10)	1410E14-007	X	X	X	X	X
SSBR-4 (0-5)	1410E14-008	X	X	X	X	X
SSBR-4 (5-10)	1410E14-009	X	X	X	X	X
SSBR-4 (10-15)	1410E14-010	X	X	X	X	X
SSBR-5 (0-5)	1410E14-011	X	X	X	X	X
SSBR-5 (5-10)	1410E14-012	X	X	X	X	X
SSBR-5 (10-15)	1410E14-013	X	X	X	X	X
SSBR-6 (0-5)	1410E14-014	X	X	X	X	X
SSBR-6 (5-10)	1410E14-015	X	X	X	X	X
SSBR-6 (10-15)	1410E14-016	X	X	X	X	X
SSBR-6 (15-20)	1410E14-017	X	X	X	X	X
SSBR-11 (0-5)	1410F86-001	X	X	X	X	X
SSBR-11 (5-10)	1410F86-002	X	X	X	X	X
SSBR-11 (10-15)	1410F86-003	X	X	X	X	X

CLP, Non-CLP (Please indicate year of protocol)
TCL/TAL, HSL, Priority Pollutant,

ASP A. 2005
BC 11-17-14

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: GNF004

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410E14-001A	SBOF-1	Soil	ASPB8260	21-Oct-14	21-Oct-14		22-Oct-14		1	LOW	
1410E14-002A	SSBR-1 (1-5)	Soil	ASPB8260	21-Oct-14	21-Oct-14		22-Oct-14		1	LOW	
1410E14-003A	SSBR-1 (5-10)	Soil	ASPB8260	21-Oct-14	21-Oct-14		22-Oct-14		1	LOW	
1410E14-004A	SSBR-2 (0-5)	Soil	ASPB8260	21-Oct-14	21-Oct-14		22-Oct-14		1	LOW	
1410E14-005A	SSBR-2 (5-10)	Soil	ASPB8260	21-Oct-14	21-Oct-14		22-Oct-14		1	LOW	
1410E14-006A	SSBR-3 (0-5)	Soil	ASPB8260	21-Oct-14	21-Oct-14		22-Oct-14		1	LOW	
1410E14-007A	SSBR-3 (5-10)	Soil	ASPB8260	21-Oct-14	21-Oct-14		22-Oct-14		1	LOW	
1410E14-008A	SSBR-4 (0-5)	Soil	ASPB8260	21-Oct-14	21-Oct-14		22-Oct-14		1	LOW	
1410E14-009A	SSBR-4 (5-10)	Soil	ASPB8260	21-Oct-14	21-Oct-14		23-Oct-14		1	LOW	
1410E14-010A	SSBR-4 (10-15)	Soil	ASPB8260	21-Oct-14	21-Oct-14		23-Oct-14		1	LOW	
1410E14-011A	SSBR-5 (0-5)	Soil	ASPB8260	21-Oct-14	21-Oct-14		23-Oct-14		1	LOW	
1410E14-012A	SSBR-5 (5-10)	Soil	ASPB8260	21-Oct-14	21-Oct-14		23-Oct-14		1	LOW	
1410E14-013A	SSBR-5 (10-15)	Soil	ASPB8260	21-Oct-14	21-Oct-14		23-Oct-14		1	LOW	
1410E14-014A	SSBR-6 (0-5)	Soil	ASPB8260	21-Oct-14	21-Oct-14		23-Oct-14		1	LOW	
1410E14-015A	SSBR-6 (5-10)	Soil	ASPB8260	21-Oct-14	21-Oct-14		23-Oct-14		1	LOW	
1410E14-016A	SSBR-6 (10-15)	Soil	ASPB8260	21-Oct-14	21-Oct-14		23-Oct-14		1	LOW	
1410E14-017A	SSBR-6 (15-20)	Soil	ASPB8260	21-Oct-14	21-Oct-14		23-Oct-14		1	LOW	
1410F86-001A	SSBR-11 (0-5)	Soil	ASPB8260	23-Oct-14	23-Oct-14		29-Oct-14		1	LOW	
1410F86-002A	SSBR-11 (5-10)	Soil	ASPB8260	23-Oct-14	23-Oct-14		29-Oct-14		1	LOW	
1410F86-003A	SSBR-11 (10-15)	Soil	ASPB8260	23-Oct-14	23-Oct-14		29-Oct-14		1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

SDG: GNF004

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410E14-001B	SBOF-1	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	24-Oct-14	PFEX	1	LOW	
1410E14-001BRE	SBOF-1	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-002B	SSBR-1(1-5)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	25-Oct-14	PFEX	1	LOW	
1410E14-002BRE	SSBR-1(1-5)RE	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-003B	SSBR-1(5-10)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	24-Oct-14	PFEX	1	LOW	
1410E14-004B	SSBR-2(0-5)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	25-Oct-14	PFEX	1	LOW	
1410E14-004BRE	SSBR-2(0-5)RE	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-005B	SSBR-2(5-10)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	25-Oct-14	PFEX	1	LOW	
1410E14-005BRE	SSBR-2(5-10)RE	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-006B	SSBR-3(0-5)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	25-Oct-14	PFEX	1	LOW	
1410E14-006BRE	SSBR-3(0-5)RE	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-007B	SSBR-3(5-10)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	25-Oct-14	PFEX	1	LOW	
1410E14-007BRE	SSBR-3(5-10)RE	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-008B	SSBR-4(0-5)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	25-Oct-14	PFEX	1	LOW	
1410E14-008BMS	SSBR-4(0-5)MS	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	25-Oct-14	PFEX	1	LOW	
1410E14-008BMSD	SSBR-4(0-5)MSD	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	25-Oct-14	PFEX	1	LOW	
1410E14-008BRE	SSBR-4(0-5)RE	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-009B	SSBR-4(5-10)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	25-Oct-14	PFEX	1	LOW	
1410E14-009BRE	SSBR-4(5-10)RE	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-010B	SSBR-4(10-15)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	24-Oct-14	PFEX	1	LOW	
1410E14-011B	SSBR-5(0-5)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	24-Oct-14	PFEX	1	LOW	
1410E14-012B	SSBR-5(5-10)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	24-Oct-14	PFEX	1	LOW	
1410E14-013B	SSBR-5(10-15)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	24-Oct-14	PFEX	1	LOW	
1410E14-014B	SSBR-6(0-5)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	25-Oct-14	PFEX	1	LOW	
1410E14-014BRE	SSBR-6(0-5)RE	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-015B	SSBR-6(5-10)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	24-Oct-14	PFEX	1	LOW	
1410E14-016B	SSBR-6(10-15)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	24-Oct-14	PFEX	1	LOW	
1410E14-017B	SSBR-6(15-20)	Soil	8270	21-Oct-14	21-Oct-14	22-Oct-14	24-Oct-14	PFEX	1	LOW	

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410F86-001B	SSBR-11(0-5)	Soil	8270	23-Oct-14	23-Oct-14	24-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F86-001BRE	SSBR-11(0-5)RE	Soil	8270	23-Oct-14	23-Oct-14	24-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F86-002B	SSBR-11(5-10)	Soil	8270	23-Oct-14	23-Oct-14	24-Oct-14	29-Oct-14	PFEX	1	LOW	
1410F86-003B	SSBR-11(10-15)	Soil	8270	23-Oct-14	23-Oct-14	24-Oct-14	29-Oct-14	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF004

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410E14-001B	SBOF-1	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-001B	SBOF-1A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410E14-002B	SSBR-1 (1-5)	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-002B	SSBR-1 (1-5)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410E14-003B	SSBR-1 (5-10)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410e14-003b	SSBR-1 (5-10)S	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	10-Nov-14	PFEX	1	LOW	SLFR
1410E14-004B	SSBR-2 (0-5)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410E14-004B	SSBR-2 (0-5)	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-005B	SSBR-2 (5-10)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410e14-005b	SSBR-2 (5-10)S	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	11-Nov-14	PFEX	1	LOW	SLFR
1410E14-006B	SSBR-3 (0-5)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410E14-006B	SSBR-3 (0-5)	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-007B	SSBR-3 (5-10)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410e14-007b	SSBR-3 (5-10)S	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	11-Nov-14	PFEX	1	LOW	SLFR
1410E14-008B	SSBR-4 (0-5)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410E14-008B	SSBR-4 (0-5)	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-009B	SSBR-4 (5-10)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410E14-009B	SSBR-4 (5-10)	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-010B	SSBR-4 (10-15)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410E14-010B	SSBR-4 (10-15)	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	27-Oct-14	PFEX	1	LOW	
1410E14-011B	SSBR-5 (0-5)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410E14-011B	SSBR-5 (0-5)	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-012B	SSBR-5 (5-10)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410E14-012B	SSBR-5 (5-10)	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-013B	SSBR-5 (10-15)S	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	12-Nov-14	PFEX	1	LOW	SLFR
1410E14-013B	SSBR-5 (10-15)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410E14-014B	SSBR-6 (0-5)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410e14-014b	SSBR-6 (0-5)S	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	11-Nov-14	PFEX	1	LOW	SLFR

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410E14-015B	SSBR-6 (5-10)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410E14-015B	SSBR-6 (5-10)	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-016B	SSBR-6 (10-15)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410E14-016B	SSBR-6 (10-15)	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-017B	SSBR-6 (15-20)	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-017B	SSBR-6 (15-20)A	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410E14-017Bms	SSBR-6 (15-20)MS	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	
1410E14-017Bmsd	SSBR-6 (15-20)MSD	Soil	SW8081/8082	21-Oct-14	21-Oct-14	23-Oct-14	28-Oct-14	PFEX	1	LOW	
1410f86-001b	SSBR-11 (0-5)S	Soil	SW8081/8082	23-Oct-14	23-Oct-14	28-Oct-14	14-Nov-14	PFEX	1	LOW	SLFR
1410f86-001b	SSBR-11 (0-5)A	Soil	SW8081/8082	23-Oct-14	23-Oct-14	28-Oct-14	05-Nov-14	PFEX	1	LOW	SLFR H2SO4
1410F86-002B	SSBR-11 (5-10)	Soil	SW8081/8082	23-Oct-14	23-Oct-14	28-Oct-14	31-Oct-14	PFEX	1	LOW	
1410F86-002B	SSBR-11 (5-10)A	Soil	SW8081/8082	23-Oct-14	23-Oct-14	28-Oct-14	30-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410F86-003B	SSBR-11 (10-15)	Soil	SW8081/8082	23-Oct-14	23-Oct-14	28-Oct-14	31-Oct-14	PFEX	1	LOW	
1410F86-003B	SSBR-11 (10-15)A	Soil	SW8081/8082	23-Oct-14	23-Oct-14	28-Oct-14	30-Oct-14	PFEX	1	LOW	SLFR H2SO4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF004

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410E14-001B	SBOF-1	Soil	SW8151	21-Oct-14	21-Oct-14	22-Oct-14	24-Oct-14	Shake/SEPF	1	LOW	
1410E14-002B	SSBR-1 (1-5)	Soil	SW8151	21-Oct-14	21-Oct-14	22-Oct-14	24-Oct-14	Shake/SEPF	1	LOW	
1410E14-003B	SSBR-1 (5-10)	Soil	SW8151	21-Oct-14	21-Oct-14	22-Oct-14	27-Oct-14	Shake/SEPF	1	LOW	SLFR
1410E14-004B	SSBR-2 (0-5)	Soil	SW8151	21-Oct-14	21-Oct-14	22-Oct-14	25-Oct-14	Shake/SEPF	1	LOW	
1410E14-005B	SSBR-2 (5-10)	Soil	SW8151	21-Oct-14	21-Oct-14	22-Oct-14	25-Oct-14	Shake/SEPF	1	LOW	
1410E14-006B	SSBR-3 (0-5)	Soil	SW8151	21-Oct-14	21-Oct-14	22-Oct-14	25-Oct-14	Shake/SEPF	1	LOW	
1410E14-007B	SSBR-3 (5-10)	Soil	SW8151	21-Oct-14	21-Oct-14	22-Oct-14	25-Oct-14	Shake/SEPF	1	LOW	
1410E14-008B	SSBR-4 (0-5)	Soil	SW8151	21-Oct-14	21-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410E14-009B	SSBR-4 (5-10)	Soil	SW8151	21-Oct-14	21-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410E14-010B	SSBR-4 (10-15)	Soil	SW8151	21-Oct-14	21-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410E14-011B	SSBR-5 (0-5)	Soil	SW8151	21-Oct-14	21-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410E14-012B	SSBR-5 (5-10)	Soil	SW8151	21-Oct-14	21-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410E14-013B	SSBR-5 (10-15)	Soil	SW8151	21-Oct-14	21-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410E14-014B	SSBR-6 (0-5)	Soil	SW8151	21-Oct-14	21-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410E14-015B	SSBR-6 (5-10)	Soil	SW8151	21-Oct-14	21-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410E14-016B	SSBR-6 (10-15)	Soil	SW8151	21-Oct-14	21-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410E14-017B	SSBR-6 (15-20)	Soil	SW8151	21-Oct-14	21-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410F86-001B	SSBR-11 (0-5)	Soil	SW8151	23-Oct-14	23-Oct-14	30-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F86-002B	SSBR-11 (5-10)	Soil	SW8151	23-Oct-14	23-Oct-14	30-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F86-003B	SSBR-11 (10-15)	Soil	SW8151	23-Oct-14	23-Oct-14	30-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F86-003Bms	SSBR-11(10-15)MS	Soil	SW8151	23-Oct-14	23-Oct-14	30-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F86-003Bmsd	SSBR-11(10-15)MSD	Soil	SW8151	23-Oct-14	23-Oct-14	30-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG : GNF004

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	DateRecd at Lab	Date Analyzed
1410E14-001	SBOF-1	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-001DUP	SBOF-1D	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-001MS	SBOF-1S	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-002	SSBR-1 (1-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-003	SSBR-1 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-004	SSBR-2 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-005	SSBR-2 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-006	SSBR-3 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-007	SSBR-3 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-008	SSBR-4 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-009	SSBR-4 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-010	SSBR-4 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-011	SSBR-5 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-012	SSBR-5 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-013	SSBR-5 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-014	SSBR-6 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-015	SSBR-6 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-016	SSBR-6 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410E14-017	SSBR-6 (15-20)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	21-Oct-14	10/14
1410F86-001	SSBR-11 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	10/14
1410F86-002	SSBR-11 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	10/14
1410F86-003	SSBR-11 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	10/14

Pace Long Island

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Melville, NY 11747

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III. CHAIN OF CUSTODY FORMS

H2M labs
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04920

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF004

PROJECT NAME/NUMBER
Garvies Point/Glen Cove

SAMPLERS: (Signature)/Client
Gannett Fleming
100 Crossways Park Drive West
Woodbury NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES:

Project Contact: Vincent Frisina vfrisina@gfnet.com
Phone Number: (516) - 364-4140 ext. 1323
PIS/Quote #

Sample Container Description: Terra Core - VOAs; 4 oz. Jar; 2 oz. Jar; 8 oz. Jar

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/Pest/Herb/PCB	Metals	Radiolog.	LAB I.D. NO.	REMARKS:
10/21/14	8:05	SL	SBOF-1	7	4	1	1	1	1410E14-001A-E	
10/21/14	8:28	SL	SSBR-1 (1-5)	7	4	1	1	1	2	
10/21/14	8:36	SL	SSBR-1 (5-10)	7	4	1	1	1	3	
10/21/14	9:53	SL	SSBR-2 (0-5)	7	4	1	1	1	4	
10/21/14	10:00	SL	SSBR-2 (5-10)	7	4	1	1	1	5	
10/21/14	10:45	SL	SSBR-3 (0-5)	7	4	1	1	1	6	
10/21/14	10:54	SL	SSBR-3 (5-10)	7	4	1	1	1	7	
10/21/14	11:36	SL	SSBR-4 (0-5)	7	4	1	1	1	8	
10/21/14	11:47	SL	SSBR-4 (5-10)	7	4	1	1	1	9	
10/21/14	11:59	SL	SSBR-4 (10-15)	7	4	1	1	1	10	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/21/14	15:10	George A. Cappadona	10-21-14	15:10
George A. Cappadona	10-21-14	16:00	[signature]	10/21/14	1600

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ____ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

3.6

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04930

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF 004

PROJECT NAME/NUMBER
Garnes Point/Glen Cove

SAMPLERS: (Signature)/Client
Gannett Fleming
100 Crossways Park Drive West
Woodbury NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES:

Project Contact: Vincent Frisina
vFrisina@gfnet.com

Phone Number: (516)364-4140 ext. 1323

PIS/Quote #

Sample Container Description: Terra Core/VOAs; 4 oz. Jars; 2 oz. Jars; 8 oz. Jars

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/Pest/Herb/PCBs	Metals	Radiology	LAB I.D. NO.	REMARKS:
10/21/14	12:15	SL	SSBR-5 (0-5)	7	4	1	1	1	1410E14-011	
10/21/14	12:24	SL	SSBR-5 (5-10)	7	4	1	1	1	12	
10/21/14	12:36	SL	SSBR-5 (10-15)	7	4	1	1	1	13	
10/21/14	13:10	SL	SSBR-6 (0-5)	7	4	1	1	1	14	
10/21/14	13:21	SL	SSBR-6 (5-10)	7	4	1	1	1	15	
10/21/14	13:34	SL	SSBR-6 (10-15)	7	4	1	1	1	16	
10/21/14	13:43	SL	SSBR-6 (15-20)	7	4	1	1	1		

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/21/14	15:10	George A. Cappadona	10-21-14	15:10
George A. Cappadona	10-21-14	16:00	[signature]	10/21/14	16:00

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ____ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

5.1

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

GNF 004

Sample Receipt Checklist

Client Name GNF

Date and Time Received: 10/21/2014 4:00:00 PM

Work Order Number: 1410E14 RcptNo: 1

Received by: Jamie Spero

Completed by:

Reviewed by:

Completed Date: 10/21/2014 4:48:07 PM

Reviewed Date: 10/26/2014 6:43:40 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	3.6 °
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF004 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

GNF004 S23

INTERNAL CHAIN OF CUSTODY

BOS-10 PRL 11-3-14

CLIENT: GNF DELIVERABLES: ~~BOS 70D~~ TURN AROUND TIME: 21 days

SDG: GNF004 CASE#: MATRIX: Soil pH CHECK Y or (N)

REMARKS:

RECEIVED BY: JS SIGNATURE: DATE: 10/21/14 TIME:

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBOF-1	1410E14-001A	10/21/14	D, AA	~~4~~ JB 10/21 3,1	8260_S_SOFF
2. SSBR-1 (1-5)	002A				
3. SSBR-1 (5-10)	003A				
4. SSBR-2 (0-5)	004A				
5. SSBR-2 (5-10)	005A				
6. SSBR-3 (0-5)	006A				
7. SSBR-3 (5-10)	007A				
8. SSBR-4 (0-5)	008A				
9. SSBR-4 (5-10)	009A				
10. SSBR ~~5 (0-5)~~ 4 (10-15) (10/21)	010A				
11. SSBR-5 ~~(5-10)~~ 0-5	011A				
12. SSBR-5 ~~(10-15)~~ 5-10	012A				
13. SSBR-~~6 (0-5)~~ 5 10-15	013A				
14. SSBR-6 ~~(5-10)~~ 0-5	014A				
15. SSBR-6 ~~(10-15)~~ 5-10	015A				
16. SSBR-6 ~~(15-20)~~ 10-15	016A				
17. SSBR-6 (15-20)	017A				
18.	JB 10/21/14				
19.					
20.					

CLIENT: GNF

SDG: GNF004

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/21/14	1900	[illegible]	[illegible]	D, AA	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: ~~B05-70D~~ B05-10 BEC 11-17-14 TURN AROUND TIME: 21 days

SDG: GNF004 CASE#: _____ MATRIX: Soil pH CHECK Y or (N)

REMARKS: _____

RECEIVED BY: JS SIGNATURE: [signature] DATE: 10/21/14 TIME: 1600

	CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1.	SBOF-1	1410E14-001 ~~B-E~~ 10/21 JS	10/21/14	B	1	8081/8082_S (sel), 815LS (sel), 8270_S_TCL (sel)
2.	SSBR-1 (1-5)	002 ~~A-E~~ B				
3.	SSBR-1 (5-10)	003 ~~A-E~~ B				
4.	SSBR-2 (0-5)	004 ~~A-E~~ B				
5.	SSBR-2 (5-10)	005 ~~A-E~~ B				
6.	SSBR-3 (0-5)	006 ~~A-E~~ B				
7.	SSBR-3 (5-10)	007B				
8.	SSBR-4 (0-5)	008B				
9.	SSBR-4 (5-10)	009B				
10.	SSBR-4 (10-15)	010B				
11.	SSBR-5 (0-5)	011B				
12.	SSBR-5 (5-10)	012B				
13.	SSBR-5 (10-15)	013B				
14.	SSBR-6 (0-5)	014B				
15.	SSBR-6 (5-10)	015B				
16.	SSBR-6 (10-15)	016B				
17.	SSBR-6 (15-20)	017B				
18.		JS 10/21/14				
19.						
20.						

CLIENT: GNF

SDG: GNF004

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/21/14	1900	[illegible]	[illegible]	B	Analysis	
10/23/14	1730	[illegible]	Sean Haughney	All (E) 8270_S	Analysis	
10/24/14	1554	[illegible]	[illegible]	All (E) 8082_S	Analysis	
10/24/14	1222 ~~2221~~	[illegible]	[illegible]	All (E) 1-7 8151_S	Analysis	
10/24/14	2221	[illegible]	[illegible]	(E) 8-17 8151_S	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: ~~BOS-20D~~ BOS-10 BEC 11-17-14 TURN AROUND TIME: 21 days

SDG: GNF004 CASE#: MATRIX: Soil pH CHECK Y or N

REMARKS:

RECEIVED BY: JS SIGNATURE: DATE: 10/21/14 TIME: 1600

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SBOF-1	1410E14-001C	10/21/14	A	1	6010S-PKG, HG7471A_S, PMOIST
2. SSBR-1 (1-5)	002C				
3. SSBR-1 (5-10)	003C				
4. SSBR-2 (0-5)	004C				
5. SSBR-2 (5-10)	005C				
6. SSBR-3 (0-5)	006C				
7. SSBR-3 (5-10)	007C				
8. SSBR-4 (0-5)	008C				
9. SSBR-4 (5-10)	009C				
10. SSBR-4 (10-15)	010C				
11. SSBR-5 (0-5)	011C				
12. SSBR-5 (5-10)	012C				
13. SSBR-5 (10-15)	013C				
14. SSBR-6 (0-5)	014C				
15. SSBR-6 (5-10)	015C				
16. SSBR-6 (10-15)	016C				
17. SSBR-6 (15-20)	017C				
18.	10/21/14				
19.					
20.					

CLIENT: GNF

SDG: GNF004

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/24/14	1900	[illegible]	Matt [illegible]	A	Analysis	
10-27-14	16:00	Matt [illegible]	[illegible]	DIGS	Analysis	

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04927

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF004

PROJECT NAME/NUMBER
OAKVILLE POINT / GLEN COVE

SAMPLERS: (Signature)/Client
BANNETT FLEMING
100 CROSSWAYS PARK DRIVE W
WOODBURY NY 11797

DELIVERABLES:

TURNAROUND TIME: STANDARD

NOTES:

Project Contact:

Phone Number:

PIS/Quote #

Sample Container Description: TERRA CORE - VOAS; 4 oz JAR; 2 oz JAR; 8 oz JAR

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/PCBs/PESTICIDES	METALS	AMMONIA/CN					LAB I.D. NO.	REMARKS:
10/23/14	8:11	SL	SSBR-11 (0-5)	7	4	1	1	1				GNF004	1410F86-001	GNF004
10/23/14	8:25	SL	SSBR-11 (5-10)	7	4	1	1	1					2	
10/23/14	8:34	SL	SSBR-11 (10-15)	7	4	1	1	1					3	
10/23/14	8:48	SL	SSBR-11 (15-20)	7	4	1	1	1				GNF006	1410F88-001	GNF006
10/23/14	8:57	SL	SSBR-11 (20-25)	7	4	1	1	1					2	
10/23/14	9:55	SL	SSBR-12 (0-5)	7	4	1	1	1					3	
10/23/14	10:10	SL	SSBR-12 (5-10)	7	4	1	1	1					4	
10/23/14	10:21	SL	SSBR-12 (10-15)	7	4	1	1	1					1410F89-001	GNF007
10/23/14	10:31	SL	SSBR-12 (15-20)	7	4	1	1	1					2	
10/23/14	10:44	SL	SSBR-12 (20-25)	7	4	1	1	1					3	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/23/14	14:35	[signature]	10/23	14:35
[signature]	10/23	15:30	[signature]	10/23/14	15:30

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ____ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

(19.4°-C)

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF004 S30

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

GNF 004

Sample Receipt Checklist

Client Name GNF

Date and Time Received: 10/23/2014 3:30:00 PM

Work Order Number: 1410F86 RcptNo: 1

Received by JoshLaedke

Completed by:

Reviewed by:

Completed Date: 10/23/2014 4:01:50 PM

Reviewed Date: 10/28/2014 1:36:12 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☐	No ☑	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐
Response when temperature is outside of range:	Samples were collected the same day and chilled.			
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To 19.4 °	
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

GNF004 S31

INTERNAL CHAIN OF CUSTODY

CLIENT: G-NF DELIVERABLES: ~~B05-10~~ B05-10 DRL 10-3-14 TURN AROUND TIME: 21DAYS

SDG: G-NF004 CASE#: _____ MATRIX: Soil pH CHECK Y or N

REMARKS: _____

RECEIVED BY: JO SIGNATURE: [signature] DATE: 10/23/14 TIME: 15:30

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-11 (0-5)	1410F86-001A	10/23/14	D, AA	3, 1	8260S_SUFF(SEC)
2. (5-10)	2				
3. (10-15)	3				
4.					
5.					
6.					
7.	JO				
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

10/23/14

CLIENT: GNF

SDG: GNF004

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/23/19	1715	[illegible]	[illegible]	D, PA	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GWF DELIVERABLES: ~~B05-70D~~ B05-10 BEC 11-17-14 TURN AROUND TIME: 210 AYS

SDG: GNF004 CASE#: MATRIX: Soils pH CHECK Y or N

REMARKS:

RECEIVED BY: JO SIGNATURE: JO DATE: 10/23/14 TIME: 1530

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-1 (0-5)	1410F86 -001B	10/23/14	B	1	8081 18082 S 8157 S 8270 S TCL
2. (5-10)	2				
3. (10-15)	3				
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

JO

10/23/14

CLIENT: C-NF

SDG: C-NF004

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/23/14	1915			B	Prep	
10/27/14	1400		Sean Haughney	All (E) 8270-S	Analysis	
10/29/14	1812			All (E) 8182_S	Analysis	
10/31/14	1815			All (E) 8151_S	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: ~~B05-90D~~ B05-10 BEC 11-17-14 TURN AROUND TIME: 21DAYS

SDG: GNF004 CASE#: _____ MATRIX: Soil pH CHECK Y or N

REMARKS: _____

RECEIVED BY: JD SIGNATURE: [signature] DATE: 10/23/14 TIME: 1530

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-11(0-5)	1410F86-001C	10/23/14	A	1	6010-S PAG PMOIST HG 7471A-S
2. (5-10)	2				
3. (10-15)	3				
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

JD

10/23/14

CLIENT: GNF

SDG: GNF004

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/23/14	1715	[illegible]	Matt [illegible]	A	DIG	
10/27/14	16:00	Matt [illegible]	Hamana [illegible]	DICS	Analysis	

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

IV. ANALYTICAL FORM I'S:

A. VOLATILES
B. SEMIVOLATILES
C. PESTICIDES/PCBs
D. HERBICIDES
E. METALS

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

A. VOLATILES

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(300\ U)}{D} \text{ x df where } D = \frac{100\%moisture}{100}$$

and df - dilution factor

$$\text{For example, at 24\% moisture, } D = \frac{100-24}{100} = 0.76$$

$$\frac{(300\ U)}{.76} \text{ x 10 - 4300 U rounded to the appropriate number of significant figures}$$

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 µg/L and a concentration of 3 µg/L is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported of Form I with a "P".

C - This flag applies to pesticide results when the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory defined flag, discussed below.

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identified compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration ranges in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g. a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceed 200 µg/L or the peak representing the two coeluting isomers on that GC column exceed 400 µg/L. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceed 400 µg/L.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - Other specific flags may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, used the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The laboratory defined flags limited to the letters "X", "Y" and "Z".

The combination of flags "BU' or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

Y Suspected secondary contamination.

X Analyte is suspected column bleed

Z Analyte had a %D greater then 20% in the daily CCV

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBOF-1

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-001A

Sample wt/vol: 4.88 (g/mL) g Lab File ID: F68016.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 4.1 Date Analyzed: 10/22/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	3	BJ
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-1 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-002A

Sample wt/vol: 4.69 (g/mL) g Lab File ID: F68017.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 3.8 Date Analyzed: 10/22/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	170	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	11	U
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-1 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-003A

Sample wt/vol: 5.81 (g/mL) g Lab File ID: F68018.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 10 Date Analyzed: 10/22/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	16	B
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	5	J
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-2 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-004A

Sample wt/vol: 4.50 (g/mL) g Lab File ID: F68019.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 7.1 Date Analyzed: 10/22/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	180	U
75-01-4	Vinyl chloride	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	21	B
75-09-2	Methylene chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-butyl ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	5	J
67-66-3	Chloroform	1	BJ
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
108-88-3	Toluene	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	1	J
1330-20-7	Xylene (total)	8	J
98-82-8	Isopropylbenzene	2	J
103-65-1	n-Propylbenzene	12	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	3	J
98-06-6	tert-Butylbenzene	12	U
95-63-6	1,2,4-Trimethylbenzene	6	J
135-98-8	sec-Butylbenzene	12	U
99-87-6	4-Isopropyltoluene	10	J
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
104-51-8	n-Butylbenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-2 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-005A

Sample wt/vol: 6.26 (g/mL) g Lab File ID: F68022.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 9.4 Date Analyzed: 10/22/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	31	B
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	10	
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-3 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-006A

Sample wt/vol: 6.94 (g/mL) g Lab File ID: F68021.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 9.1 Date Analyzed: 10/22/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	120	U
75-01-4	Vinyl chloride	8	U
75-35-4	1,1-Dichloroethene	8	U
67-64-1	Acetone	16	B
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	8	U
1634-04-4	Methyl tert-butyl ether	8	U
75-34-3	1,1-Dichloroethane	8	U
156-59-2	cis-1,2-Dichloroethene	8	U
78-93-3	2-Butanone	4	J
67-66-3	Chloroform	8	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon tetrachloride	8	U
71-43-2	Benzene	8	U
107-06-2	1,2-Dichloroethane	8	U
79-01-6	Trichloroethene	8	U
108-88-3	Toluene	8	U
127-18-4	Tetrachloroethene	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	1	J
1330-20-7	Xylene (total)	2	J
98-82-8	Isopropylbenzene	8	U
103-65-1	n-Propylbenzene	8	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	8	U
98-06-6	tert-Butylbenzene	8	U
95-63-6	1,2,4-Trimethylbenzene	1	J
135-98-8	sec-Butylbenzene	8	U
99-87-6	4-Isopropyltoluene	0.9	J
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
104-51-8	n-Butylbenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-3 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-007A

Sample wt/vol: 6.41 (g/mL) g Lab File ID: F68023.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 11 Date Analyzed: 10/22/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	36	B
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	10	
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-008A

Sample wt/vol: 5.21 (g/mL) g Lab File ID: F68024.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 6.1 Date Analyzed: 10/22/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	2	BJ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-009A

Sample wt/vol: 7.51 (g/mL) g Lab File ID: F68025.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 6.4 Date Analyzed: 10/23/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	110	U
75-01-4	Vinyl chloride	7	U
75-35-4	1,1-Dichloroethene	7	U
67-64-1	Acetone	1	BJ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	7	U
1634-04-4	Methyl tert-butyl ether	7	U
75-34-3	1,1-Dichloroethane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
78-93-3	2-Butanone	7	U
67-66-3	Chloroform	7	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon tetrachloride	7	U
71-43-2	Benzene	7	U
107-06-2	1,2-Dichloroethane	7	U
79-01-6	Trichloroethene	7	U
108-88-3	Toluene	1	J
127-18-4	Tetrachloroethene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
1330-20-7	Xylene (total)	7	U
98-82-8	Isopropylbenzene	7	U
103-65-1	n-Propylbenzene	7	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	7	U
98-06-6	tert-Butylbenzene	7	U
95-63-6	1,2,4-Trimethylbenzene	7	U
135-98-8	sec-Butylbenzene	7	U
99-87-6	4-Isopropyltoluene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
104-51-8	n-Butylbenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-010A

Sample wt/vol: 6.33 (g/mL) g Lab File ID: F68026.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 22 Date Analyzed: 10/23/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	2	BJ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-5 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-011A

Sample wt/vol: 4.69 (g/mL) g Lab File ID: F68027.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 4.2 Date Analyzed: 10/23/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	170	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	3	BJ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-5 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-012A

Sample wt/vol: 6.70 (g/mL) g Lab File ID: F68028.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 11 Date Analyzed: 10/23/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	8	U
75-35-4	1,1-Dichloroethene	8	U
67-64-1	Acetone	17	B
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	8	U
1634-04-4	Methyl tert-butyl ether	8	U
75-34-3	1,1-Dichloroethane	8	U
156-59-2	cis-1,2-Dichloroethene	8	U
78-93-3	2-Butanone	5	J
67-66-3	Chloroform	8	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon tetrachloride	8	U
71-43-2	Benzene	8	U
107-06-2	1,2-Dichloroethane	8	U
79-01-6	Trichloroethene	8	U
108-88-3	Toluene	8	U
127-18-4	Tetrachloroethene	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
1330-20-7	Xylene (total)	8	U
98-82-8	Isopropylbenzene	8	U
103-65-1	n-Propylbenzene	8	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	8	U
98-06-6	tert-Butylbenzene	8	U
95-63-6	1,2,4-Trimethylbenzene	8	U
135-98-8	sec-Butylbenzene	8	U
99-87-6	4-Isopropyltoluene	8	U
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
104-51-8	n-Butylbenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-5 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-013A

Sample wt/vol: 7.33 (g/mL) g Lab File ID: F68029.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 20 Date Analyzed: 10/23/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	3	BJ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-014A

Sample wt/vol: 5.16 (g/mL) g Lab File ID: F68030.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 9 Date Analyzed: 10/23/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	40	B
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	13	
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-015A

Sample wt/vol: 5.82 (g/mL) g Lab File ID: F68031.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 15 Date Analyzed: 10/23/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	20	B
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	5	J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-016A

Sample wt/vol: 9.37 (g/mL) g Lab File ID: F68032.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 11 Date Analyzed: 10/23/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	90	U
75-01-4	Vinyl chloride	6	U
75-35-4	1,1-Dichloroethene	6	U
67-64-1	Acetone	17	B
75-09-2	Methylene chloride	0.9	BJ
156-60-5	trans-1,2-Dichloroethene	6	U
1634-04-4	Methyl tert-butyl ether	6	U
75-34-3	1,1-Dichloroethane	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
78-93-3	2-Butanone	2	J
67-66-3	Chloroform	6	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon tetrachloride	6	U
71-43-2	Benzene	6	U
107-06-2	1,2-Dichloroethane	6	U
79-01-6	Trichloroethene	6	U
108-88-3	Toluene	6	U
127-18-4	Tetrachloroethene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
1330-20-7	Xylene (total)	6	U
98-82-8	Isopropylbenzene	6	U
103-65-1	n-Propylbenzene	6	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	6	U
98-06-6	tert-Butylbenzene	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
99-87-6	4-Isopropyltoluene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
104-51-8	n-Butylbenzene	6	U
95-50-1	1,2-Dichlorobenzene	6	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-017A

Sample wt/vol: 5.73 (g/mL) g Lab File ID: F68033.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: not dec. 24 Date Analyzed: 10/23/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	170	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	7	BJ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410F86-001A

Sample wt/vol: 5.31 (g/mL) g Lab File ID: F68108.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. 8.7 Date Analyzed: 10/29/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	1	J
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	59	
1330-20-7	Xylene (total)	40	
98-82-8	Isopropylbenzene	27	
103-65-1	n-Propylbenzene	33	
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	120	
98-06-6	tert-Butylbenzene	5	J
95-63-6	1,2,4-Trimethylbenzene	130	
135-98-8	sec-Butylbenzene	19	
99-87-6	4-Isopropyltoluene	20	
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	18	
95-50-1	1,2-Dichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410F86-002A

Sample wt/vol: 8.03 (g/mL) g Lab File ID: F68109.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. 10 Date Analyzed: 10/29/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	100	U
75-01-4	Vinyl chloride	7	U
75-35-4	1,1-Dichloroethene	7	U
67-64-1	Acetone	11	Z
75-09-2	Methylene chloride	7	U
156-60-5	trans-1,2-Dichloroethene	7	U
1634-04-4	Methyl tert-butyl ether	7	U
75-34-3	1,1-Dichloroethane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
78-93-3	2-Butanone	1	J
67-66-3	Chloroform	7	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon tetrachloride	7	U
71-43-2	Benzene	7	U
107-06-2	1,2-Dichloroethane	7	U
79-01-6	Trichloroethene	7	U
108-88-3	Toluene	7	U
127-18-4	Tetrachloroethene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
1330-20-7	Xylene (total)	7	U
98-82-8	Isopropylbenzene	7	U
103-65-1	n-Propylbenzene	7	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	7	U
98-06-6	tert-Butylbenzene	7	U
95-63-6	1,2,4-Trimethylbenzene	7	U
135-98-8	sec-Butylbenzene	7	U
99-87-6	4-Isopropyltoluene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
104-51-8	n-Butylbenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410F86-003A

Sample wt/vol: 6.29 (g/mL) g Lab File ID: F68110.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. 14 Date Analyzed: 10/29/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	5	JZ
75-09-2	Methylene chloride	1	JZ
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

Pace Long Island

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B. SEMIVOLATILES

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBOF-1

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-001B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R25162.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 4.1 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/24/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	340	U
95-48-7	2-Methylphenol	340	U
106-44-5	4-Methylphenol	340	U
91-20-3	Naphthalene	340	U
208-96-8	Acenaphthylene	340	U
83-32-9	Acenaphthene	340	U
132-64-9	Dibenzofuran	340	U
86-73-7	Fluorene	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBOF-1

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-001BRE

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R25248.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 4.1 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	340	U
95-48-7	2-Methylphenol	340	U
106-44-5	4-Methylphenol	340	U
91-20-3	Naphthalene	340	U
208-96-8	Acenaphthylene	340	U
83-32-9	Acenaphthene	340	U
132-64-9	Dibenzofuran	340	U
86-73-7	Fluorene	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-1(1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-002B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R25163.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 3.8 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	340	U
95-48-7	2-Methylphenol	340	U
106-44-5	4-Methylphenol	340	U
91-20-3	Naphthalene	340	U
208-96-8	Acenaphthylene	340	U
83-32-9	Acenaphthene	340	U
132-64-9	Dibenzofuran	340	U
86-73-7	Fluorene	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-1(1-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-002BRE

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R25249.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 3.8 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	340	U
95-48-7	2-Methylphenol	340	U
106-44-5	4-Methylphenol	340	U
91-20-3	Naphthalene	340	U
208-96-8	Acenaphthylene	340	U
83-32-9	Acenaphthene	340	U
132-64-9	Dibenzofuran	340	U
86-73-7	Fluorene	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-1(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-003B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R25154.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 10 Decanted:(Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/24/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-2(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-004B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25164.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 7.1 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	200	J
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	180	J
132-64-9	Dibenzofuran	140	J
86-73-7	Fluorene	170	J
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	1200	
120-12-7	Anthracene	310	J
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	1700	
56-55-3	Benzo(a)anthracene	560	
218-01-9	Chrysene	650	
205-99-2	Benzo(b)fluoranthene	740	
207-08-9	Benzo(k)fluoranthene	370	
50-32-8	Benzo(a)pyrene	610	
193-39-5	Indeno(1,2,3-cd)pyrene	240	J
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	300	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-2(0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-004BRE

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25250.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 7.1 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	200	J
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	170	J
132-64-9	Dibenzofuran	140	J
86-73-7	Fluorene	170	J
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	1200	
120-12-7	Anthracene	300	J
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	1600	
56-55-3	Benzo(a)anthracene	540	
218-01-9	Chrysene	620	
205-99-2	Benzo(b)fluoranthene	750	
207-08-9	Benzo(k)fluoranthene	320	J
50-32-8	Benzo(a)pyrene	600	
193-39-5	Indeno(1,2,3-cd)pyrene	230	J
53-70-3	Dibenzo(a,h)anthracene	110	J
191-24-2	Benzo(g,h,i)perylene	310	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-2(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-005B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: R25165.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 9.4 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	83	J
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	180	J
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	82	J
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	73	J
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-2(5-10)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-005BRE

Sample wt/vol: 15.08 (g/mL) g Lab File ID: R25251.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 9.4 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	87	J
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	170	J
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	90	J
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-3(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-006B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: R25166.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 9.1 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	350	J
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	
132-64-9	Dibenzofuran	250	J
86-73-7	Fluorene	290	J
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	890	
120-12-7	Anthracene	200	J
206-44-0	Fluoranthene	680	
129-00-0	Pyrene	1100	
56-55-3	Benzo(a)anthracene	320	J
218-01-9	Chrysene	380	
205-99-2	Benzo(b)fluoranthene	390	
207-08-9	Benzo(k)fluoranthene	200	J
50-32-8	Benzo(a)pyrene	330	J
193-39-5	Indeno(1,2,3-cd)pyrene	130	J
53-70-3	Dibenzo(a,h)anthracene	78	J
191-24-2	Benzo(g,h,i)perylene	180	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-3(0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-006BRE

Sample wt/vol: 15.09 (g/mL) g Lab File ID: R25252.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 9.1 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	370	
132-64-9	Dibenzofuran	240	J
86-73-7	Fluorene	270	J
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	880	
120-12-7	Anthracene	210	J
206-44-0	Fluoranthene	670	
129-00-0	Pyrene	1100	
56-55-3	Benzo(a)anthracene	340	J
218-01-9	Chrysene	360	
205-99-2	Benzo(b)fluoranthene	360	
207-08-9	Benzo(k)fluoranthene	230	J
50-32-8	Benzo(a)pyrene	340	J
193-39-5	Indeno(1,2,3-cd)pyrene	170	J
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	210	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-3(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-007B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R25167.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	320	J
120-12-7	Anthracene	91	J
206-44-0	Fluoranthene	350	J
129-00-0	Pyrene	630	
56-55-3	Benzo(a)anthracene	240	J
218-01-9	Chrysene	240	J
205-99-2	Benzo(b)fluoranthene	260	J
207-08-9	Benzo(k)fluoranthene	86	J
50-32-8	Benzo(a)pyrene	200	J
193-39-5	Indeno(1,2,3-cd)pyrene	99	J
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	150	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-3(5-10)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-007BRE

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R25253.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	320	J
120-12-7	Anthracene	89	J
206-44-0	Fluoranthene	350	J
129-00-0	Pyrene	640	
56-55-3	Benzo(a)anthracene	200	J
218-01-9	Chrysene	240	J
205-99-2	Benzo(b)fluoranthene	260	J
207-08-9	Benzo(k)fluoranthene	86	J
50-32-8	Benzo(a)pyrene	230	J
193-39-5	Indeno(1,2,3-cd)pyrene	100	J
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	140	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-008B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: R25170.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 6.1 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4(0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-008BRE

Sample wt/vol: 15.08 (g/mL) g Lab File ID: R25254.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 6.1 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-009B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25171.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 6.4 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4(5-10)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-009BRE

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25255.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 6.4 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-010B

Sample wt/vol: 15.03 (g/mL) g Lab File ID: R25155.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/24/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
132-64-9	Dibenzofuran	420	U
86-73-7	Fluorene	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	310	U
191-24-2	Benzo(g,h,i)perylene	420	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-5(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-011B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: R25156.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 4.2 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/24/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	340	U
95-48-7	2-Methylphenol	340	U
106-44-5	4-Methylphenol	340	U
91-20-3	Naphthalene	340	U
208-96-8	Acenaphthylene	340	U
83-32-9	Acenaphthene	340	U
132-64-9	Dibenzofuran	340	U
86-73-7	Fluorene	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-5(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-012B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R25157.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/24/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-5(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-013B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25158.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/24/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
132-64-9	Dibenzofuran	410	U
86-73-7	Fluorene	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	300	U
191-24-2	Benzo(g,h,i)perylene	410	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-014B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: R25172.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 9 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/25/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	140	J
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6(0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-014BRE

Sample wt/vol: 15.09 (g/mL) g Lab File ID: R25256.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 9 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	130	J
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	78	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-015B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R25159.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/24/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-016B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R25160.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/24/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6(15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-017B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: R25161.D

Level: (low/med) LOW Date Received: 10/21/14

% Moisture: 24 Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/24/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	430	U
95-48-7	2-Methylphenol	430	U
106-44-5	4-Methylphenol	430	U
91-20-3	Naphthalene	430	U
208-96-8	Acenaphthylene	430	U
83-32-9	Acenaphthene	430	U
132-64-9	Dibenzofuran	430	U
86-73-7	Fluorene	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenzo(a,h)anthracene	310	U
191-24-2	Benzo(g,h,i)perylene	430	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410F86-001B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25306.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: 8.7 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	76	J
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	78	J
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11(0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410F86-001BRE

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25290.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: 8.7 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	78	J
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	80	J
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410F86-002B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R25280.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410F86-003B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: R25281.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-46823

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: MB-46823

Sample wt/vol: 15 (g/mL) g Lab File ID: R25152.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/22/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/24/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
132-64-9	Dibenzofuran	330	U
86-73-7	Fluorene	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	240	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-46860

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: MB-46860

Sample wt/vol: 15 (g/mL) g Lab File ID: R25278.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
132-64-9	Dibenzofuran	330	U
86-73-7	Fluorene	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	240	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

C. PESTICIDES/PCBS

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBOF-1

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-001B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00529.raw

% Moisture: 4.1 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4´-DDE	3.4	U
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4´-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4´-DDT	3.4	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBOF-1A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-001B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00479.raw

% Moisture: 4.1 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-1 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-002B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00525.raw

% Moisture: 3.8 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4´-DDE	3.4	U
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4´-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4´-DDT	3.4	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-1 (1-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-002B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00478.raw

% Moisture: 3.8 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-1 (5-10)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410e14-003b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00122.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-1 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-003B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00461.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-2 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-004B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00531.raw

% Moisture: 7.1 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4´-DDE	7.2	
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4´-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4´-DDT	3.5	U
5103-71-9	alpha-Chlordane	3.3	P

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-2 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-004B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00488.raw

% Moisture: 7.1 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	U X
11104-28-2	Aroclor 1221	72	U
11141-16-5	Aroclor 1232	35	U X
53469-21-9	Aroclor 1242	28	PJ
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	44	P
11096-82-5	Aroclor 1260	20	J

11/17/14

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-2 (5-10)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410e14-005b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00127.raw

% Moisture: 9.4 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	2.8	P
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	2.4	PJ
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-2 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-005B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00480.raw

% Moisture: 9.4 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	74	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	U
11096-82-5	Aroclor 1260	350	

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-3 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-006B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00527.raw

% Moisture: 9.1 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	2.5	PJ
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	3.3	P

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-3 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-006B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00481.raw

% Moisture: 9.1 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	67	P
11096-82-5	Aroclor 1260	36	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-3 (5-10)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410e14-007b

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00128.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.5	PJ
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	2.4	PJ
72-55-9	4,4´-DDE	3.5	PJ
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	4.9	
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	8.3	P

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-3 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-007B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00477.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	37	U
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U
11096-82-5	Aroclor 1260	73	

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-008B

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00524.raw

% Moisture: 6.1 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4´-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4´-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4´-DDT	3.5	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-008B

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00462.raw

% Moisture: 6.1 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	71	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	35	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-009B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00522.raw

% Moisture: 6.4 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4´-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4´-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4´-DDT	3.5	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-009B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00463.raw

% Moisture: 6.4 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	71	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	35	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-010B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00509.raw

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/27/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4´-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4´-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4´-DDT	4.2	U
5103-71-9	alpha-Chlordane	2.2	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-010B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00464.raw

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	42	U
11104-28-2	Aroclor 1221	86	U
11141-16-5	Aroclor 1232	42	U
53469-21-9	Aroclor 1242	42	U
12672-29-6	Aroclor 1248	42	U
11097-69-1	Aroclor 1254	42	U
11096-82-5	Aroclor 1260	42	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-5 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-011B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00523.raw

% Moisture: 4.2 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4´-DDE	3.4	U
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4´-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4´-DDT	3.4	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-5 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-011B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00471.raw

% Moisture: 4.2 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-5 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-012B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00516.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-5 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-012B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00472.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-5 (10-15)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-013B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00160.raw

% Moisture: 20 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/12/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4´-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4´-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4´-DDT	4.1	U
5103-71-9	alpha-Chlordane	2.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-5 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-013B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00473.raw

% Moisture: 20 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	41	U
11104-28-2	Aroclor 1221	84	U
11141-16-5	Aroclor 1232	41	U
53469-21-9	Aroclor 1242	41	U
12672-29-6	Aroclor 1248	41	U
11097-69-1	Aroclor 1254	41	U
11096-82-5	Aroclor 1260	41	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (0-5)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410e14-014b

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00129.raw

% Moisture: 9 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.7	P
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	6.3	P
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-014B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00487.raw

% Moisture: 9 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	36	U
11096-82-5	Aroclor 1260	140	

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-015B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00521.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-015B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00474.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-016B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00514.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-016B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00475.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-017B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00513.raw

% Moisture: 24 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4´-DDE	4.3	U
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4´-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4´-DDT	4.3	U
5103-71-9	alpha-Chlordane	2.2	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (15-20)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-017B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00476.raw

% Moisture: 24 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) PFEX Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/28/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	43	U
11104-28-2	Aroclor 1221	87	U
11141-16-5	Aroclor 1232	43	U
53469-21-9	Aroclor 1242	43	U
12672-29-6	Aroclor 1248	43	U
11097-69-1	Aroclor 1254	43	U
11096-82-5	Aroclor 1260	43	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (0-5)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410f86-001b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00232.raw

% Moisture: 8.7 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/28/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	2.4	P
309-00-2	Aldrin	3.5	P
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	4.9	
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410f86-001b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00016.raw

% Moisture: 8.7 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/28/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/05/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U X
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U X
53469-21-9	Aroclor 1242	36	U X
12672-29-6	Aroclor 1248	490	
11097-69-1	Aroclor 1254	36	U
11096-82-5	Aroclor 1260	36	U

11/17/14

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410F86-002B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00643.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/28/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410F86-002B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00563.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/28/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410F86-003B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00644.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/28/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410F86-003B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00564.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/28/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

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D. HERBICIDES

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBOF-1

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-001B

Sample wt/vol: 25.17 (g/mL) g Lab File ID: A00617.raw

% Moisture: 4.1 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/22/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/24/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.2	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-1 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-002B

Sample wt/vol: 25.19 (g/mL) g Lab File ID: A00618.raw

% Moisture: 3.8 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/22/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/24/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.2	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-1 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-003B

Sample wt/vol: 25.02 (g/mL) g Lab File ID: A00683.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/22/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/27/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) Y

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

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1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-2 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-004B

Sample wt/vol: 25.04 (g/mL) g Lab File ID: A00622.raw

% Moisture: 7.1 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/22/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.4	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-2 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-005B

Sample wt/vol: 25.13 (g/mL) g Lab File ID: A00624.raw

% Moisture: 9.4 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/22/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.5	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-3 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-006B

Sample wt/vol: 25.18 (g/mL) g Lab File ID: A00626.raw

% Moisture: 9.1 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/22/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.5	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-3 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-007B

Sample wt/vol: 25.14 (g/mL) g Lab File ID: A00628.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/22/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/25/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-008B

Sample wt/vol: 25.12 (g/mL) g Lab File ID: A00665.raw

% Moisture: 6.1 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.3	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-009B

Sample wt/vol: 25.11 (g/mL) g Lab File ID: A00666.raw

% Moisture: 6.4 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.3	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-4 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-010B

Sample wt/vol: 25.03 (g/mL) g Lab File ID: A00667.raw

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.4	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-5 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-011B

Sample wt/vol: 25.01 (g/mL) g Lab File ID: A00668.raw

% Moisture: 4.2 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.2	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-5 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-012B

Sample wt/vol: 25.09 (g/mL) g Lab File ID: A00669.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-5 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-013B

Sample wt/vol: 25.06 (g/mL) g Lab File ID: A00670.raw

% Moisture: 20 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.3	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-014B

Sample wt/vol: 25.14 (g/mL) g Lab File ID: A00671.raw

% Moisture: 9 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.5	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-015B

Sample wt/vol: 25.23 (g/mL) g Lab File ID: A00672.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.9	U

FORM I HERB

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-016B

Sample wt/vol: 25.19 (g/mL) g Lab File ID: A00674.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-6 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410E14-017B

Sample wt/vol: 25.02 (g/mL) g Lab File ID: A00675.raw

% Moisture: 24 Decanted: (Y/N) N Date Received: 10/21/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.6	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410F86-001B

Sample wt/vol: 25.06 (g/mL) g Lab File ID: A00882.raw

% Moisture: 8.7 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/30/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.5	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410F86-002B

Sample wt/vol: 25.04 (g/mL) g Lab File ID: A00883.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/30/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF004

Matrix: (soil/water) SOIL Lab Sample ID: 1410F86-003B

Sample wt/vol: 25.14 (g/mL) g Lab File ID: A00884.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/30/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.8	U

FORM I HERB

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E. METALS

Pace Long Island

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QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

E - Serial dilution is not within acceptance criteria or the reported value is estimated because of the presence of interference. An explanatory note is included in the SDG narrative.

N - Matrix spike sample recovery not within control limits.

* - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).

U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

P - Analyzed by ICP.
MS - Analyzed by ICP-MS
CV - Analyzed by Manual Cold Vapor techniques.
AV - Analyzed by Automated Cold Vapor techniques.
C - Analyzed by Manual Spectrophotometric Method.
CA- Analyzed by Midi-distillation Spectrophotometric Method.
NR - Analyte not Required.

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SBOF-1

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-001

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 95.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1480		*	P
7440-36-0	Antimony	0.16	U		P
7440-38-2	Arsenic	2.1			P
7440-39-3	Barium	7.1	B		P
7440-41-7	Beryllium	0.010	U		P
7440-43-9	Cadmium	0.14	B		P
7440-70-2	Calcium	1240		E	P
7440-47-3	Chromium	5.6		E	P
7440-48-4	Cobalt	2.2	B	E	P
7440-50-8	Copper	5.2			P
7439-89-6	Iron	4610		E	P
7439-92-1	Lead	10.8			P
7439-95-4	Magnesium	899		E	P
7439-96-5	Manganese	79.9		N*E	P
7439-97-6	Mercury	0.017	U		CV
7440-02-0	Nickel	4.4			P
7440-09-7	Potassium	364	B		P
7782-49-2	Selenium	0.25	U	N	P
7440-22-4	Silver	0.26	B	N	P
7440-23-5	Sodium	89.6	B		P
7440-28-0	Thallium	0.94	U		P
7440-62-2	Vanadium	7.7			P
7440-66-6	Zinc	14.1			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-1 (1-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-002

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 96.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1950		*	P
7440-36-0	Antimony	0.16	U		P
7440-38-2	Arsenic	1.6			P
7440-39-3	Barium	16.3	B		P
7440-41-7	Beryllium	0.010	U		P
7440-43-9	Cadmium	0.21	B		P
7440-70-2	Calcium	1320		E	P
7440-47-3	Chromium	6.4		E	P
7440-48-4	Cobalt	2.1	B	E	P
7440-50-8	Copper	10			P
7439-89-6	Iron	4110		E	P
7439-92-1	Lead	10.1			P
7439-95-4	Magnesium	911		E	P
7439-96-5	Manganese	41.7		N*E	P
7439-97-6	Mercury	0.028	B		CV
7440-02-0	Nickel	5.1			P
7440-09-7	Potassium	373	B		P
7782-49-2	Selenium	0.25	U	N	P
7440-22-4	Silver	0.38	B	N	P
7440-23-5	Sodium	118	B		P
7440-28-0	Thallium	0.94	U		P
7440-62-2	Vanadium	9.7			P
7440-66-6	Zinc	33.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-1 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-003

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 89.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1210		*	P
7440-36-0	Antimony	1.7	B		P
7440-38-2	Arsenic	12.4			P
7440-39-3	Barium	4.1	B		P
7440-41-7	Beryllium	0.045	B		P
7440-43-9	Cadmium	0.12	B		P
7440-70-2	Calcium	225	B	E	P
7440-47-3	Chromium	6.5		E	P
7440-48-4	Cobalt	1.7	B	E	P
7440-50-8	Copper	4.4			P
7439-89-6	Iron	8110		E	P
7439-92-1	Lead	5.4			P
7439-95-4	Magnesium	308	B	E	P
7439-96-5	Manganese	47.0		N*E	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	3.6	B		P
7440-09-7	Potassium	226	B		P
7782-49-2	Selenium	0.37	B	N	P
7440-22-4	Silver	0.30	B	N	P
7440-23-5	Sodium	234	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	7.1			P
7440-66-6	Zinc	30.7			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-2 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-004

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 92.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9570		*	P
7440-36-0	Antimony	1.0	B		P
7440-38-2	Arsenic	2.2			P
7440-39-3	Barium	100			P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	1.3			P
7440-70-2	Calcium	34800		E	P
7440-47-3	Chromium	23.4		E	P
7440-48-4	Cobalt	9.7		E	P
7440-50-8	Copper	47.2			P
7439-89-6	Iron	16900		E	P
7439-92-1	Lead	116			P
7439-95-4	Magnesium	9190		E	P
7439-96-5	Manganese	245		N*E	P
7439-97-6	Mercury	0.045			CV
7440-02-0	Nickel	19.6			P
7440-09-7	Potassium	3330			P
7782-49-2	Selenium	0.26	U	N	P
7440-22-4	Silver	3.6		N	P
7440-23-5	Sodium	469	B		P
7440-28-0	Thallium	0.98	U		P
7440-62-2	Vanadium	37.1			P
7440-66-6	Zinc	171			P

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-2 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-005

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 90.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6060		*	P
7440-36-0	Antimony	1.0	B		P
7440-38-2	Arsenic	5.1			P
7440-39-3	Barium	70.5			P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.52	B		P
7440-70-2	Calcium	17400		E	P
7440-47-3	Chromium	13.9		E	P
7440-48-4	Cobalt	5.4	B	E	P
7440-50-8	Copper	14.0			P
7439-89-6	Iron	11300		E	P
7439-92-1	Lead	31.2			P
7439-95-4	Magnesium	11200		E	P
7439-96-5	Manganese	192		N*E	P
7439-97-6	Mercury	0.048			CV
7440-02-0	Nickel	10.3			P
7440-09-7	Potassium	2590			P
7782-49-2	Selenium	0.26	U	N	P
7440-22-4	Silver	1.1	B	N	P
7440-23-5	Sodium	335	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	19.7			P
7440-66-6	Zinc	36.1			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-3 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-006

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 90.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8020		*	P
7440-36-0	Antimony	0.65	B		P
7440-38-2	Arsenic	2.0			P
7440-39-3	Barium	72.7			P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.89			P
7440-70-2	Calcium	43700		E	P
7440-47-3	Chromium	20.0		E	P
7440-48-4	Cobalt	8.3		E	P
7440-50-8	Copper	45.5			P
7439-89-6	Iron	14400		E	P
7439-92-1	Lead	62.2			P
7439-95-4	Magnesium	12000		E	P
7439-96-5	Manganese	269		N*E	P
7439-97-6	Mercury	0.051			CV
7440-02-0	Nickel	18.3			P
7440-09-7	Potassium	2030			P
7782-49-2	Selenium	0.27	U	N	P
7440-22-4	Silver	1.6		N	P
7440-23-5	Sodium	534	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	30.5			P
7440-66-6	Zinc	77.8			P

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-3 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-007

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 89.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5090		*	P
7440-36-0	Antimony	15.3			P
7440-38-2	Arsenic	53.1			P
7440-39-3	Barium	36.9			P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.83			P
7440-70-2	Calcium	6080		E	P
7440-47-3	Chromium	14.8		E	P
7440-48-4	Cobalt	7.5		E	P
7440-50-8	Copper	35.3			P
7439-89-6	Iron	11500		E	P
7439-92-1	Lead	197			P
7439-95-4	Magnesium	1860		E	P
7439-96-5	Manganese	222		N*E	P
7439-97-6	Mercury	0.11			CV
7440-02-0	Nickel	12.1			P
7440-09-7	Potassium	673			P
7782-49-2	Selenium	0.69		N	P
7440-22-4	Silver	3.7		N	P
7440-23-5	Sodium	246	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	16.6			P
7440-66-6	Zinc	80.2			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 11/10/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-4 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-008

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 93.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5010		*	P
7440-36-0	Antimony	0.17	U		P
7440-38-2	Arsenic	1.2			P
7440-39-3	Barium	14.1	B		P
7440-41-7	Beryllium	0.010	U		P
7440-43-9	Cadmium	0.18	B		P
7440-70-2	Calcium	779		E	P
7440-47-3	Chromium	10.8		E	P
7440-48-4	Cobalt	4.2	B	E	P
7440-50-8	Copper	9.1			P
7439-89-6	Iron	10600		E	P
7439-92-1	Lead	6.5			P
7439-95-4	Magnesium	451	B	E	P
7439-96-5	Manganese	60.3		N*E	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	7.8			P
7440-09-7	Potassium	339	B		P
7782-49-2	Selenium	0.25	U	N	P
7440-22-4	Silver	0.39	B	N	P
7440-23-5	Sodium	183	B		P
7440-28-0	Thallium	0.96	U		P
7440-62-2	Vanadium	16.2			P
7440-66-6	Zinc	16.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-4 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-009

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 93.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3740		*	P
7440-36-0	Antimony	0.17	U		P
7440-38-2	Arsenic	1.1			P
7440-39-3	Barium	11.3	B		P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.14	B		P
7440-70-2	Calcium	494	B	E	P
7440-47-3	Chromium	9.0		E	P
7440-48-4	Cobalt	3.2	B	E	P
7440-50-8	Copper	7.2			P
7439-89-6	Iron	8960		E	P
7439-92-1	Lead	14.6			P
7439-95-4	Magnesium	413	B	E	P
7439-96-5	Manganese	58.7		N*E	P
7439-97-6	Mercury	0.061			CV
7440-02-0	Nickel	5.8			P
7440-09-7	Potassium	267	B		P
7782-49-2	Selenium	0.25	U	N	P
7440-22-4	Silver	0.35	B	N	P
7440-23-5	Sodium	156	B		P
7440-28-0	Thallium	0.98	U		P
7440-62-2	Vanadium	12.6			P
7440-66-6	Zinc	15.9			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-4 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-010

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 77.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4930		*	P
7440-36-0	Antimony	0.21	U		P
7440-38-2	Arsenic	1.4			P
7440-39-3	Barium	35.6			P
7440-41-7	Beryllium	0.45	B		P
7440-43-9	Cadmium	0.44	B		P
7440-70-2	Calcium	234	B	E	P
7440-47-3	Chromium	27.1		E	P
7440-48-4	Cobalt	4.2	B	E	P
7440-50-8	Copper	32.9			P
7439-89-6	Iron	23100		E	P
7439-92-1	Lead	6.5			P
7439-95-4	Magnesium	118	B	E	P
7439-96-5	Manganese	9.7		N*E	P
7439-97-6	Mercury	0.20			CV
7440-02-0	Nickel	7.9			P
7440-09-7	Potassium	1080			P
7782-49-2	Selenium	0.31	U	N	P
7440-22-4	Silver	0.75	B	N	P
7440-23-5	Sodium	69.8	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	93.0			P
7440-66-6	Zinc	23.8			P

Color Before: GRAY Clarity Before: Texture: CLAY

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-5 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-011

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 95.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2630		*	P
7440-36-0	Antimony	0.17	U		P
7440-38-2	Arsenic	0.94	B		P
7440-39-3	Barium	15.9	B		P
7440-41-7	Beryllium	0.010	U		P
7440-43-9	Cadmium	0.10	B		P
7440-70-2	Calcium	435	B	E	P
7440-47-3	Chromium	6.9		E	P
7440-48-4	Cobalt	3.0	B	E	P
7440-50-8	Copper	4.4			P
7439-89-6	Iron	5240		E	P
7439-92-1	Lead	2.9			P
7439-95-4	Magnesium	400	B	E	P
7439-96-5	Manganese	97.3		N*E	P
7439-97-6	Mercury	0.017	U		CV
7440-02-0	Nickel	5.9			P
7440-09-7	Potassium	189	B		P
7782-49-2	Selenium	0.25	U	N	P
7440-22-4	Silver	0.18	B	N	P
7440-23-5	Sodium	73.3	B		P
7440-28-0	Thallium	0.95	U		P
7440-62-2	Vanadium	7.6			P
7440-66-6	Zinc	16.1			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-5 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-012

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 89.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3430		*	P
7440-36-0	Antimony	0.18	U		P
7440-38-2	Arsenic	0.58	B		P
7440-39-3	Barium	16.7	B		P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.078	B		P
7440-70-2	Calcium	372	B	E	P
7440-47-3	Chromium	11.3		E	P
7440-48-4	Cobalt	3.3	B	E	P
7440-50-8	Copper	8.5			P
7439-89-6	Iron	6940		E	P
7439-92-1	Lead	4.2			P
7439-95-4	Magnesium	206	B	E	P
7439-96-5	Manganese	19.8		N*E	P
7439-97-6	Mercury	0.021	B		CV
7440-02-0	Nickel	7.9			P
7440-09-7	Potassium	144	B		P
7782-49-2	Selenium	0.27	U	N	P
7440-22-4	Silver	0.19	B	N	P
7440-23-5	Sodium	55.9	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	12.8			P
7440-66-6	Zinc	17.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-5 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-013

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 79.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4250		*	P
7440-36-0	Antimony	0.20	U		P
7440-38-2	Arsenic	2.3			P
7440-39-3	Barium	34.4			P
7440-41-7	Beryllium	0.36	B		P
7440-43-9	Cadmium	0.025	U		P
7440-70-2	Calcium	164	B	E	P
7440-47-3	Chromium	17.1		E	P
7440-48-4	Cobalt	1.6	B	E	P
7440-50-8	Copper	35.4			P
7439-89-6	Iron	2260		E	P
7439-92-1	Lead	34.5			P
7439-95-4	Magnesium	126	B	E	P
7439-96-5	Manganese	9.6		N*E	P
7439-97-6	Mercury	0.027	B		CV
7440-02-0	Nickel	4.6	B		P
7440-09-7	Potassium	817			P
7782-49-2	Selenium	0.30	U	N	P
7440-22-4	Silver	0.037	U	N	P
7440-23-5	Sodium	104	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	12.5			P
7440-66-6	Zinc	17.0			P

Color Before: GRAY Clarity Before: Texture: CLAY

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 11/10/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-6 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-014

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 91.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3170		*	P
7440-36-0	Antimony	2.8	B		P
7440-38-2	Arsenic	4.0			P
7440-39-3	Barium	20.8	B		P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.44	B		P
7440-70-2	Calcium	2510		E	P
7440-47-3	Chromium	9.2		E	P
7440-48-4	Cobalt	3.9	B	E	P
7440-50-8	Copper	20.6			P
7439-89-6	Iron	7320		E	P
7439-92-1	Lead	65.1			P
7439-95-4	Magnesium	1100		E	P
7439-96-5	Manganese	111		N*E	P
7439-97-6	Mercury	0.038			CV
7440-02-0	Nickel	7.2			P
7440-09-7	Potassium	391	B		P
7782-49-2	Selenium	0.26	U	N	P
7440-22-4	Silver	0.82	B	N	P
7440-23-5	Sodium	217	B		P
7440-28-0	Thallium	0.99	U		P
7440-62-2	Vanadium	11.6			P
7440-66-6	Zinc	38.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-6 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-015

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 84.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3510		*	P
7440-36-0	Antimony	0.19	U		P
7440-38-2	Arsenic	1.9			P
7440-39-3	Barium	21.4	B		P
7440-41-7	Beryllium	0.20	B		P
7440-43-9	Cadmium	0.13	B		P
7440-70-2	Calcium	507	B	E	P
7440-47-3	Chromium	10.4		E	P
7440-48-4	Cobalt	3.5	B	E	P
7440-50-8	Copper	17.3			P
7439-89-6	Iron	8410		E	P
7439-92-1	Lead	14.5			P
7439-95-4	Magnesium	222	B	E	P
7439-96-5	Manganese	53.3		N*E	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	5.8			P
7440-09-7	Potassium	451	B		P
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.25	B	N	P
7440-23-5	Sodium	157	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	13.1			P
7440-66-6	Zinc	13.3			P

Color Before: GRAY Clarity Before: Texture: CLAY

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-6 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-016

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 88.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3650		*	P
7440-36-0	Antimony	0.18	U		P
7440-38-2	Arsenic	0.95	B		P
7440-39-3	Barium	13.9	B		P
7440-41-7	Beryllium	0.022	B		P
7440-43-9	Cadmium	0.078	B		P
7440-70-2	Calcium	200	B	E	P
7440-47-3	Chromium	8.8		E	P
7440-48-4	Cobalt	5.9		E	P
7440-50-8	Copper	9.1			P
7439-89-6	Iron	7810		E	P
7439-92-1	Lead	3.8			P
7439-95-4	Magnesium	283	B	E	P
7439-96-5	Manganese	46.0		N*E	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	8.7			P
7440-09-7	Potassium	320	B		P
7782-49-2	Selenium	0.27	U	N	P
7440-22-4	Silver	0.28	B	N	P
7440-23-5	Sodium	85.3	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	12.7			P
7440-66-6	Zinc	13.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-6 (15-20)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410E14-017

Level (low/med): LOW Date Received: 10/21/2014

% Solids: 76.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4390		*	P
7440-36-0	Antimony	0.21	U		P
7440-38-2	Arsenic	2.3			P
7440-39-3	Barium	40.2			P
7440-41-7	Beryllium	0.39	B		P
7440-43-9	Cadmium	0.026	U		P
7440-70-2	Calcium	140	B	E	P
7440-47-3	Chromium	11.1		E	P
7440-48-4	Cobalt	6.8		E	P
7440-50-8	Copper	18.1			P
7439-89-6	Iron	4340		E	P
7439-92-1	Lead	7.9			P
7439-95-4	Magnesium	176	B	E	P
7439-96-5	Manganese	16.1		N*E	P
7439-97-6	Mercury	0.021	U		CV
7440-02-0	Nickel	8.5			P
7440-09-7	Potassium	958			P
7782-49-2	Selenium	0.31	U	N	P
7440-22-4	Silver	0.039	U	N	P
7440-23-5	Sodium	86.3	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	24.8			P
7440-66-6	Zinc	15.4			P

Color Before: GRAY Clarity Before: Texture: CLAY

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-11 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410F86-001

Level (low/med): LOW Date Received: 10/23/2014

% Solids: 91.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3550		*	P
7440-36-0	Antimony	2.9	B		P
7440-38-2	Arsenic	12.5			P
7440-39-3	Barium	34.1			P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.81			P
7440-70-2	Calcium	16500		E	P
7440-47-3	Chromium	10		E	P
7440-48-4	Cobalt	5.2	B	E	P
7440-50-8	Copper	29.9			P
7439-89-6	Iron	7680		E	P
7439-92-1	Lead	84.8			P
7439-95-4	Magnesium	7920		E	P
7439-96-5	Manganese	1200		N*E	P
7439-97-6	Mercury	0.022	B		CV
7440-02-0	Nickel	7.4			P
7440-09-7	Potassium	387	B		P
7782-49-2	Selenium	1.8		N	P
7440-22-4	Silver	0.80	B	N	P
7440-23-5	Sodium	166	B		P
7440-28-0	Thallium	0.99	U		P
7440-62-2	Vanadium	18.7			P
7440-66-6	Zinc	57.6			P

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-11 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410F86-002

Level (low/med): LOW Date Received: 10/23/2014

% Solids: 89.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4720		*	P
7440-36-0	Antimony	0.18	U		P
7440-38-2	Arsenic	0.81	B		P
7440-39-3	Barium	21.8	B		P
7440-41-7	Beryllium	0.066	B		P
7440-43-9	Cadmium	0.11	B		P
7440-70-2	Calcium	728		E	P
7440-47-3	Chromium	12.7		E	P
7440-48-4	Cobalt	2.6	B	E	P
7440-50-8	Copper	16.4			P
7439-89-6	Iron	10100		E	P
7439-92-1	Lead	4.9			P
7439-95-4	Magnesium	297	B	E	P
7439-96-5	Manganese	26.8		N*E	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	4.9			P
7440-09-7	Potassium	439	B		P
7782-49-2	Selenium	0.26	U	N	P
7440-22-4	Silver	0.26	B	N	P
7440-23-5	Sodium	127	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	21.6			P
7440-66-6	Zinc	12.6			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-11 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF004

Matrix (soil/water): SOIL Lab Sample ID: 1410F86-003

Level (low/med): LOW Date Received: 10/23/2014

% Solids: 85.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5330		*	P
7440-36-0	Antimony	0.19	U		P
7440-38-2	Arsenic	0.87	B		P
7440-39-3	Barium	25.4			P
7440-41-7	Beryllium	0.012	U		P
7440-43-9	Cadmium	0.23	B		P
7440-70-2	Calcium	355	B	E	P
7440-47-3	Chromium	11.1		E	P
7440-48-4	Cobalt	17.7		E	P
7440-50-8	Copper	13.9			P
7439-89-6	Iron	12500		E	P
7439-92-1	Lead	3.4			P
7439-95-4	Magnesium	701		E	P
7439-96-5	Manganese	181		N*E	P
7439-97-6	Mercury	0.020	U		CV
7440-02-0	Nickel	8.2			P
7440-09-7	Potassium	442	B		P
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.38	B	N	P
7440-23-5	Sodium	75.5	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	16.4			P
7440-66-6	Zinc	24.1			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

Pace Long Island

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ANALYTICAL DATA PACKAGE
ASP A PACKAGE

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GANNETT & FLEMING
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- B. SEMIVOLATILES
- C. PESTICIDES/PCBs
- D. HERBICIDES
- E. METALS

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I. SDG NARRATIVE

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SDG NARRATIVE FOR VOLATILES ANALYSIS
SAMPLE(S) RECEIVED: 10/22/14 & 10/23/14
SDG#: GNF006

For Sample(s):

SSBR-7 (0-5)	SSBR-8 (15-20)	SSBR-10 (10-15)
SSBR-7 (5-10)	SSBR-9 (0-5)	SSBR-10 (15-20)
SSBR-7 (10-15)	SSBR-9 (5-10)	SSBR-11 (15-20)
SSBR-7 (15-20)	SSBR-9 (10-15)	SSBR-11 (20-25)
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SSBR-8 (5-10)	SSBR-10 (0-5)	SSBR-12 (5-10)
SSBR-8 (10-15)	SSBR-10 (5-10)	

The above water sample(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260C and reported in accordance with the NYS ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/matrix spike duplicate analysis. Lab fortified blanks were analyzed, and all percent recoveries were within Q. C. limits.

In the initial calibration, average response factors were employed for most analytes, and regression function(s) was/were used for the compound(s) with an RSD above 20%. If variability criteria for the continuous calibration checks (CCV) of 20%D were not met, data are regarded estimated and are flagged with a "Z" qualifier.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 3, 2014

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Ursula Middel
Quality Analyst

Pace Long Island

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SDG NARRATIVE FOR SEMIVOLATILE ANALYSES
SAMPLE(S) RECEIVED: 10/22/14 & 10/23/14
SDG #: GNF006

For Sample(s):

SSBR-7 (0-5)	SSBR-8 (5-10)	SSBR-9 (10-15)	SSBR-10 (15-20)
SSBR-7 (5-10)	SSBR-8 (10-15)	SSBR-9 (15-20)	SSBR-11 (15-20)
SSBR-7 (10-15)	SSBR-8 (15-20)	SSBR-10 (0-5)	SSBR-11 (20-25)
SSBR-7 (15-20)	SSBR-9 (0-5)	SSBR-10 (5-10)	SSBR-12 (0-5)
SSBR-8 (0-5)	SSBR-9 (5-10)	SSBR-10 (10-15)	SSBR-12 (5-10)

The above sample(s) was/were analyzed for a select list of base/neutral extractables by EPA method 8270D.in accordance with the NYSDEC ASP, Rev. 7/2005, Category A.

All Q.C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

Sample SSBR-11 (20-25) was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPD's were met. Lab fortified blanks were analyzed, and recoveries indicate good method efficiency.

In the initial calibrations, average response factors were employed for the compounds with RSDs up to 20%. The variability %D for pentachlorophenol in the CCVs also exceeded 20%. Samples are flagged with a "Z" qualifier indicating that is regarded estimated

Samples SSBR-8 (0-5), SSBR-9 (0-5), SSBR-10 (0-5), SSBR-12 (0-5) and SSBR12 (5-10) had internal standard area counts outside of QG limits. These samples were reanalyzed with similar internal standard area counts. Both sets of data are submitted.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 5, 2014

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* *
****
Joann M. Slavin
General Manager

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SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLE(S) RECEIVED: 10/22/14 & 10/23/14
SDG#: GNF006

For Sample(s):

SSBR-7 (0-5)	SSBR-8 (15-20)	SSBR-10 (10-15)
SSBR-7 (5-10)	SSBR-9 (0-5)	SSBR-10 (15-20)
SSBR-7 (10-15)	SSBR-9 (5-10)	SSBR-11 (15-20)
SSBR-7 (15-20)	SSBR-9 (10-15)	SSBR-11 (20-25)
SSBR-8 (0-5)	SSBR-9 (15-20)	SSBR-12 (0-5)
SSBR-8 (5-10)	SSBR-10 (0-5)	SSBR-12 (5-10)
SSBR-8 (10-15)	SSBR-10 (5-10)	

The above soil sample(s) was/were analyzed for a select list of pesticides and aroclors by methods 8081B and 8082A in accordance with the NYSDEC ASP, Rev. 7/2005 and reported with the requested deliverables.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

The concentrates were split and analyzed separately for pesticides and PCBs. The aliquots for aroclors analysis were cleaned up with sulfuric acid and TBA for sulfur removal. These aliquots for aroclors analysis are reported with an "A" suffix.

The pesticide aliquots of samples SSBR-7 (10-15) and SSBR-10 (15-20) were also subjected to sulfur cleanup. In spite of the cleanup, the breakdown check PEM16 analyzed after SSBR-7 (10-15) exceeded 15% for DDT. The sample was re-injected after remedial action to the instrument, and the subsequent PEM failed again.. Only the original analysis is reported.

Sample SSBR-11 (20-25) was submitted for matrix spike/ matrix spike duplicate analysis. Recoveries and RPDs were within Q. C. limits. Lab fortified blanks were analyzed, and recoveries indicate good method efficiency for all targeted analytes.

Positives are reported to the practical detection limits of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 11, 2014

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Quality Analyst

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SDG NARRATIVE FOR HERBICIDES ANALYSIS
SAMPLE(S) RECEIVED: 10/22/14 & 10/23/14
SDG#: GNF006

For Sample(s):

SSBR-7 (0-5)	SSBR-8 (15-20)	SSBR-10 (10-15)
SSBR-7 (5-10)	SSBR-9 (0-5)	SSBR-10 (15-20)
SSBR-7 (10-15)	SSBR-9 (5-10)	SSBR-11 (15-20)
SSBR-7 (15-20)	SSBR-9 (10-15)	SSBR-11 (20-25)
SSBR-8 (0-5)	SSBR-9 (15-20)	SSBR-12 (0-5)
SSBR-8 (5-10)	SSBR-10 (0-5)	SSBR-12 (5-10)
SSBR-8 (10-15)	SSBR-10 (5-10)	

The above soil sample(s) was/were analyzed for a select list of herbicides by method 8151A and reported according to the requirements of the NYS DEC ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the protocol, and no problems were encountered with sample analysis. The following should be noted:

Sample SSBR-8 (15-20) was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPDs met Q. C. limits. Lab fortified blanks were analyzed, and results indicate good method efficiency.

Positives are reported to the practical detection limit (PDL) of half of the reporting limit (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 10, 2014

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Ursula Middel
Quality Analyst

Pace Long Island

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 10/22/14 & 10/23/14
SDG #: GNF006

For Sample(s):

SSBR-7 (0-5)	SSBR-8 (15-20)	SSBR-10 (10-15)
SSBR-7 (5-10)	SSBR-9 (0-5)	SSBR-10 (15-20)
SSBR-7 (10-15)	SSBR-9 (5-10)	SSBR-11 (15-20)
SSBR-7 (15-20)	SSBR-9 (10-15)	SSBR-11 (20-25)
SSBR-8 (0-5)	SSBR-9 (15-20)	SSBR-12 (0-5)
SSBR-8 (5-10)	SSBR-10 (0-5)	SSBR-12 (5-10)
SSBR-8 (10-15)	SSBR-10 (5-10)	

The above soil sample(s) was/were received by Pace Analytical Services Inc. for analysis of TAL metals and mercury. The samples were prepared and analyzed by EPA method 6010C with a TS ICAP 6000 instrument and EPA method 7470A with a Leeman HYDRA mercury analyzer.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SSBR-12 (5-10) was selected for batch Q. C. analysis and reporting.

Spike analysis results did not meet acceptance criteria for lead, manganese and silver. The sample was post spiked, reanalyzed and recoveries were 112.5% for lead, 97.2% for manganese, and 38.1% for silver. Data for these metals were flagged with the qualifier "N" on forms 1 and 5A.

The spike recovery was not within 75-125% for iron. Since the sample concentration was greater than four times the spike concentration, post spike and data qualifiers were not required.

Duplicate analysis did not meet acceptance criteria for chromium, copper, iron, and lead. These metals were reported with the qualifier "*" on forms 1 and 6.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 11, 2014

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Ursula Middel
Quality Analyst

Pace Long Island

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Melville, NY 11747

tel. 631.694.3040
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II. NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: GNF006

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		GCSEMI	ME	MSSEMI	MSVOA	SUBPACE
SSBR-7 (0-5)	1410F11-001	X	X	X	X	X
SSBR-7 (5-10)	1410F11-002	X	X	X	X	X
SSBR-7 (10-15)	1410F11-003	X	X	X	X	X
SSBR-7 (15-20)	1410F11-004	X	X	X	X	X
SSBR-8 (0-5)	1410F11-005	X	X	X	X	X
SSBR-8 (5-10)	1410F11-006	X	X	X	X	X
SSBR-8 (10-15)	1410F11-007	X	X	X	X	X
SSBR-8 (15-20)	1410F11-008	X	X	X	X	X
SSBR-9 (0-5)	1410F11-009	X	X	X	X	X
SSBR-9 (5-10)	1410F11-010	X	X	X	X	X
SSBR-9 (10-15)	1410F11-011	X	X	X	X	X
SSBR-9 (15-20)	1410F11-012	X	X	X	X	X
SSBR-10 (0-5)	1410F11-013	X	X	X	X	X
SSBR-10 (5-10)	1410F11-014	X	X	X	X	X
SSBR-10 (10-15)	1410F11-015	X	X	X	X	X
SSBR-10 (15-20)	1410F11-016	X	X	X	X	X
SSBR-11 (15-20)	1410F88-001	X	X	X	X	X
SSBR-11 (20-25)	1410F88-002	X	X	X	X	X
SSBR-12 (0-5)	1410F88-003	X	X	X	X	X
SSBR-12 (5-10)	1410F88-004	X	X	X	X	X

CLP, Non-CLP (Please indicate year of protocol)
TCL/TAL, HSL, Priority Pollutant,

ASP A- 2005

BC 11-12-14

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: GNF006

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410F11-001A	SSBR-7 (0-5)	Soil	ASPB8260	22-Oct-14	22-Oct-14		28-Oct-14		1	LOW	
1410F11-002A	SSBR-7 (5-10)	Soil	ASPB8260	22-Oct-14	22-Oct-14		29-Oct-14		1	LOW	
1410F11-003A	SSBR-7 (10-15)	Soil	ASPB8260	22-Oct-14	22-Oct-14		28-Oct-14		1	LOW	
1410F11-004A	SSBR-7 (15-20)	Soil	ASPB8260	22-Oct-14	22-Oct-14		28-Oct-14		1	LOW	
1410F11-005A	SSBR-8 (0-5)	Soil	ASPB8260	22-Oct-14	22-Oct-14		28-Oct-14		1	LOW	
1410F11-006A	SSBR-8 (5-10)	Soil	ASPB8260	22-Oct-14	22-Oct-14		28-Oct-14		1	LOW	
1410F11-007A	SSBR-8 (10-15)	Soil	ASPB8260	22-Oct-14	22-Oct-14		28-Oct-14		1	LOW	
1410F11-008A	SSBR-8 (15-20)	Soil	ASPB8260	22-Oct-14	22-Oct-14		28-Oct-14		1	LOW	
1410F11-009A	SSBR-9 (0-5)	Soil	ASPB8260	22-Oct-14	22-Oct-14		28-Oct-14		1	LOW	
1410F11-010A	SSBR-9 (5-10)	Soil	ASPB8260	22-Oct-14	22-Oct-14		28-Oct-14		1	LOW	
1410F11-011A	SSBR-9 (10-15)	Soil	ASPB8260	22-Oct-14	22-Oct-14		28-Oct-14		1	LOW	
1410F11-012A	SSBR-9 (15-20)	Soil	ASPB8260	22-Oct-14	22-Oct-14		28-Oct-14		1	LOW	
1410F11-013A	SSBR-10 (0-5)	Soil	ASPB8260	22-Oct-14	22-Oct-14		28-Oct-14		1	LOW	
1410F11-014A	SSBR-10 (5-10)	Soil	ASPB8260	22-Oct-14	22-Oct-14		28-Oct-14		1	LOW	
1410F11-015A	SSBR-10 (10-15)	Soil	ASPB8260	22-Oct-14	22-Oct-14		28-Oct-14		1	LOW	
1410F11-016A	SSBR-10 (15-20)	Soil	ASPB8260	22-Oct-14	22-Oct-14		28-Oct-14		1	LOW	
1410F88-001A	SSBR-11 (15-20)	Soil	ASPB8260	23-Oct-14	23-Oct-14		29-Oct-14		1	LOW	
1410F88-002A	SSBR-11 (20-25)	Soil	ASPB8260	23-Oct-14	23-Oct-14		29-Oct-14		1	LOW	
1410F88-003A	SSBR-12 (0-5)	Soil	ASPB8260	23-Oct-14	23-Oct-14		29-Oct-14		1	LOW	
1410F88-004A	SSBR-12 (5-10)	Soil	ASPB8260	23-Oct-14	23-Oct-14		29-Oct-14		1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

SDG: GNF006

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410F11-001B	SSBR-7(0-5)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	28-Oct-14	PFEX	1	LOW	
1410F11-002B	SSBR-7(5-10)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	28-Oct-14	PFEX	1	LOW	
1410F11-003B	SSBR-7(10-15)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	28-Oct-14	PFEX	1	LOW	
1410F11-004B	SSBR-7(15-20)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	28-Oct-14	PFEX	1	LOW	
1410F11-005B	SSBR-8(0-5)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F11-005BRE	SSBR-8(0-5)RE	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F11-006B	SSBR-8(5-10)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	28-Oct-14	PFEX	1	LOW	
1410F11-007B	SSBR-8(10-15)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	28-Oct-14	PFEX	1	LOW	
1410F11-008B	SSBR-8(15-20)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	28-Oct-14	PFEX	1	LOW	
1410F11-009B	SSBR-9(0-5)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F11-009BRE	SSBR-9(0-5)RE	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F11-010B	SSBR-9(5-10)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	28-Oct-14	PFEX	1	LOW	
1410F11-011B	SSBR-9(10-15)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	29-Oct-14	PFEX	1	LOW	
1410F11-012B	SSBR-9(15-20)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	29-Oct-14	PFEX	1	LOW	
1410F11-013B	SSBR-10(0-5)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F11-013BRE	SSBR-10(0-5)RE	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F11-014B	SSBR-10(5-10)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	29-Oct-14	PFEX	1	LOW	
1410F11-015B	SSBR-10(10-15)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	29-Oct-14	PFEX	1	LOW	
1410F11-016B	SSBR-10(15-20)	Soil	8270	22-Oct-14	22-Oct-14	24-Oct-14	29-Oct-14	PFEX	1	LOW	
1410F88-001B	SSBR-11(15-20)	Soil	8270	23-Oct-14	23-Oct-14	24-Oct-14	29-Oct-14	PFEX	1	LOW	
1410F88-002B	SSBR-11(20-25)	Soil	8270	23-Oct-14	23-Oct-14	24-Oct-14	29-Oct-14	PFEX	1	LOW	
1410F88-002BMS	SSBR-11(20-25)MS	Soil	8270	23-Oct-14	23-Oct-14	24-Oct-14	29-Oct-14	PFEX	1	LOW	
1410F88-002BMSD	SSBR-11(20-25)MSD	Soil	8270	23-Oct-14	23-Oct-14	24-Oct-14	29-Oct-14	PFEX	1	LOW	
1410F88-003B	SSBR-12(0-5)	Soil	8270	23-Oct-14	23-Oct-14	24-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F88-003BRE	SSBR-12(0-5)RE	Soil	8270	23-Oct-14	23-Oct-14	24-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F88-004B	SSBR-12(5-10)	Soil	8270	23-Oct-14	23-Oct-14	24-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F88-004BRE	SSBR-12(5-10)RE	Soil	8270	23-Oct-14	23-Oct-14	24-Oct-14	30-Oct-14	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF006

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410F11-001B	SSBR-7 (0-5)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410f11-001b	SSBR-7 (0-5)	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410f11-002b	SSBR-7 (5-10)	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F11-002B	SSBR-7 (5-10)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410F11-003B	SSBR-7 (10-15)S	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	31-Oct-14	PFEX	1	LOW	SLFR
1410F11-003B	SSBR-7 (10-15)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410f11-004b	SSBR-7 (15-20)	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F11-004B	SSBR-7 (15-20)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410F11-005B	SSBR-8 (0-5)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410f11-005b	SSBR-8 (0-5)	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410f11-006b	SSBR-8 (5-10)	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F11-006B	SSBR-8 (5-10)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410f11-007b	SSBR-8 (10-15)	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F11-007B	SSBR-8 (10-15)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410F11-008B	SSBR-8 (15-20)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410f11-008b	SSBR-8 (15-20)	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410f11-009b	SSBR-9 (0-5)	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F11-009B	SSBR-9 (0-5)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410F11-010B	SSBR-9 (5-10)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410f11-010b	SSBR-9 (5-10)	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F11-011B	SSBR-9 (10-15)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410f11-011b	SSBR-9 (10-15)	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410f11-012b	SSBR-9 (15-20)	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F11-012B	SSBR-9 (15-20)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410F11-013B	SSBR-10 (0-5)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410f11-013b	SSBR-10 (0-5)	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410f11-014b	SSBR-10 (5-10)	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F11-014B	SSBR-10 (5-10)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410f11-015b	SSBR-10 (10-15)	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F11-015B	SSBR-10 (10-15)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410f11-016b	SSBR-10 (15-20)S	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	SLFR
1410F11-016B	SSBR-10 (15-20)A	Soil	SW8081/8082	22-Oct-14	22-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410F88-001B	SSBR-11 (15-20)A	Soil	SW8081/8082	23-Oct-14	23-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410f88-001b	SSBR-11 (15-20)	Soil	SW8081/8082	23-Oct-14	23-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F88-002B	SSBR-11 (20-25)A	Soil	SW8081/8082	23-Oct-14	23-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410F88-002B	SSBR-11 (20-25)	Soil	SW8081/8082	23-Oct-14	23-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F88-002BMS	SSBR-11 (20-25)MS	Soil	SW8081/8082	23-Oct-14	23-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F88-002BMSD	SSBR-11 (20-25)MSD	Soil	SW8081/8082	23-Oct-14	23-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410f88-003b	SSBR-12 (0-5)	Soil	SW8081/8082	23-Oct-14	23-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	
1410F88-003B	SSBR-12 (0-5)A	Soil	SW8081/8082	23-Oct-14	23-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410F88-004B	SSBR-12 (5-10)A	Soil	SW8081/8082	23-Oct-14	23-Oct-14	27-Oct-14	29-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410F88-004B	SSBR-12 (5-10)	Soil	SW8081/8082	23-Oct-14	23-Oct-14	27-Oct-14	30-Oct-14	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF006

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410F11-001B	SSBR-7 (0-5)	Soil	SW8151	22-Oct-14	22-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410F11-002B	SSBR-7 (5-10)	Soil	SW8151	22-Oct-14	22-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410F11-003B	SSBR-7 (10-15)	Soil	SW8151	22-Oct-14	22-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410F11-004B	SSBR-7 (15-20)	Soil	SW8151	22-Oct-14	22-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410F11-005B	SSBR-8 (0-5)	Soil	SW8151	22-Oct-14	22-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410F11-006B	SSBR-8 (5-10)	Soil	SW8151	22-Oct-14	22-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410F11-007B	SSBR-8 (10-15)	Soil	SW8151	22-Oct-14	22-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410F11-008B	SSBR-8 (15-20)	Soil	SW8151	22-Oct-14	22-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410F11-008BMS	SSBR-8 (15-20)MS	Soil	SW8151	22-Oct-14	22-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410F11-008BMSD	SSBR-8 (15-20)MSD	Soil	SW8151	22-Oct-14	22-Oct-14	23-Oct-14	26-Oct-14	Shake/SEPF	1	LOW	
1410F11-009B	SSBR-9 (0-5)	Soil	SW8151	22-Oct-14	22-Oct-14	29-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F11-010B	SSBR-9 (5-10)	Soil	SW8151	22-Oct-14	22-Oct-14	29-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F11-011B	SSBR-9 (10-15)	Soil	SW8151	22-Oct-14	22-Oct-14	29-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F11-012B	SSBR-9 (15-20)	Soil	SW8151	22-Oct-14	22-Oct-14	29-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F11-013B	SSBR-10 (0-5)	Soil	SW8151	22-Oct-14	22-Oct-14	29-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F11-014B	SSBR-10 (5-10)	Soil	SW8151	22-Oct-14	22-Oct-14	29-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F11-015B	SSBR-10 (10-15)	Soil	SW8151	22-Oct-14	22-Oct-14	29-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F11-016B	SSBR-10 (15-20)	Soil	SW8151	22-Oct-14	22-Oct-14	29-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F88-001B	SSBR-11 (15-20)	Soil	SW8151	23-Oct-14	23-Oct-14	30-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F88-002B	SSBR-11 (20-25)	Soil	SW8151	23-Oct-14	23-Oct-14	30-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F88-003B	SSBR-12 (0-5)	Soil	SW8151	23-Oct-14	23-Oct-14	30-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F88-004B	SSBR-12 (5-10)	Soil	SW8151	23-Oct-14	23-Oct-14	30-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG : GNF006

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	DateRecd at Lab	Date Analyzed
1410F11-001	SSBR-7 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F11-002	SSBR-7 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F11-003	SSBR-7 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F11-004	SSBR-7 (15-20)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F11-005	SSBR-8 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F11-006	SSBR-8 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F11-007	SSBR-8 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F11-008	SSBR-8 (15-20)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F11-009	SSBR-9 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F11-010	SSBR-9 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F11-011	SSBR-9 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F11-012	SSBR-9 (15-20)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F11-013	SSBR-10 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F11-014	SSBR-10 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F11-015	SSBR-10 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F11-016	SSBR-10 (15-20)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	22-Oct-14	11/14
1410F88-001	SSBR-11 (15-20)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	11/14
1410F88-002	SSBR-11 (20-25)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	11/14
1410F88-003	SSBR-12 (0-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	11/14
1410F88-004	SSBR-12 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	11/14
1410F88-004DUP	SSBR-12 (5-10)D	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	11/14
1410F88-004MS	SSBR-12 (5-10)S	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	11/14

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

III. CHAIN OF CUSTODY FORMS

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04929

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF006

PROJECT NAME/NUMBER
Garvies Point/Glen Cove

SAMPLERS: (Signature)/Client
Gannett Fleming
100 Crossways Park Drive West
Woodbury NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES:

Project Contact: Vincent Frisina

Phone Number: vfrisina@gfnet.com (516)364-4140 ext 13

PIS/Quote #

Sample Container Description: Terra Core/VOAs; 4oz. Jar; 2oz. Jar; 8oz. Jar

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/Pest/Herb/PCBs	metals	radiology							LAB I.D. NO.	REMARKS:
10/22/14	7:50	SL	SSBR-7(0-5)	7	4	1	1	1							1410F11-001	
10/22/14	8:02	SL	SSBR-7(5-10)	7	4	1	1	1							002	
10/22/14	8:11	SL	SSBR-7(10-15)	7	4	1	1	1							003	
10/22/14	8:19	SL	SSBR-7(15-20)	7	4	1	1	1							004	
10/22/14	10:00	SL	SSBR-8(0-5)	7	4	1	1	1							005	
10/22/14	10:09	SL	SSBR-8(5-10)	7	4	1	1	1							006	
10/22/14	10:17	SL	SSBR-8(10-15)	7	4	1	1	1							007	
10/22/14	10:25	SL	SSBR-8(15-20)	7	4	1	1	1							008	
10/22/14	11:05	SL	SSBR-9(0-5)	7	4	1	1	1							009	
10/22/14	11:13	SL	SSBR-9(5-10)	7	4	1	1	1							010	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/22/14	15:30	[signature]	10/22/14	15:30
[signature]	10/22/14	17:00	[signature]	10-22-14	17:00

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ✓ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

T=5.4 / T=5.6°C

GNF006 S17

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04925

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF006

PROJECT NAME/NUMBER
Garvies Point/Glen Cove

SAMPLERS: (Signature)/Client
Garrett Fleming
100 Crossways Park Drive West
Woodbury NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES:

Project Contact: Vincent Frisina vfrisina@gfnet.com
Phone Number: (516) 364-4140 ext. 1323
PIS/Quote #

Sample Container Description: Terra Core/VOAs; 4oz. Jar; 2oz. Jar; 8oz. Jar

ANALYSIS REQUESTED: VOCs; SVOCs/Pest/Herb/PCBs; metals; radiologic

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/Pest/Herb/PCBs	metals	radiologic	LAB I.D. NO.	REMARKS:
10/22/14	11:21	SL	SSBR-9 (10-15)	7	4	1	1	1	1410F11-011	
10/22/14	11:30	SL	SSBR-9 (15-20)	7	4	1	1	1	-012	
10/22/14	12:37	SL	SSBR-10 (0-5)	7	4	1	1	1	-013	
10/22/14	12:49	SL	SSBR-10 (5-10)	7	4	1	1	1	-014	
10/22/14	12:55	SL	SSBR-10 (10-15)	7	4	1	1	1	-015	
10/22/14	13:05	SL	SSBR-10 (15-20)	7	4	1	1	1	-016	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/22/14	15:30	[signature]	10/22/14	15:30
[signature]	10/22/14	17:00	[signature]	10-22-14	17:00

LABORATORY USE ONLY
Samples were:
1. Shipped ____ or Hand Delivered ✓ Airbill # _____
COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

T=5.7°C / 5.8°C

GNF006 S18

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

GNF 006

Sample Receipt Checklist

Client Name **GNF**

Date and Time Received: **10/22/2014 5:00:00 PM**

Work Order Number: **1410F11** RcptNo: **1**

Received by **MelissaWatson**

Completed by: M. Watson

Reviewed by: Jennifer Co

Completed Date: 10/24/2014 8:35:16 PM

Reviewed Date: 10/27/2014 4:27:46 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	5.4 To	5.6 °
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF006 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

GNF006 S19

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: ~~BOS-70D~~ BOS-10D DRL 11-3-14 TURN AROUND TIME: 21 DAYS

SDG: GNF006 CASE#: MATRIX: Soil pH CHECK Y or N

REMARKS:

RECEIVED BY: MCW SIGNATURE: DATE: 10-22-14 TIME: 1700

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-7 (0-5)	1410F11 001A	10-22-14	D, AA	3, 1	8260_S-SUFF(SEL)
2. (5-10)	002				
3. (10-15)	003				
4. (15-20)	004				
5. SSBR-8 (0-5)	005				
6. (5-10)	006				
7. (10-15)	007				
8. (15-20)	008				
9. SSBR-9 (0-5)	009				
10. (5-10)	010				
11. (10-15)	011				
12. (15-20)	012				
13. SSBR-10 (0-5)	013				
14. (5-10)	014				
15. (10-15)	015				
16. (15-20)	016				
17.					
18.					
19.					
20.					

MCW 10-24-14

CLIENT: GNF

SDG: GNF006

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10-22-14	1900	[illegible]	[illegible]	DAA	ANALYSIS	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-~~70D~~ 10 BJS 11.1.1.7 TURN AROUND TIME: 21 DAYS

SDG: GNF006 CASE#: MATRIX: Soil pH CHECK Y or N

REMARKS:

RECEIVED BY: MCW SIGNATURE: DATE: 10-22-14 TIME: 1700

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-7 (0-5)	1410F11 001B	10-22-14	B	1	8081/8082-S(SEL), 8151-S(SEL), 8270-S-TCL(SEL)
2. (5-10)	002				
3. (10-15)	003				
4. (15-20)	004				
5. SSBR-8 (0-5)	005				
6. (5-10)	006				
7. ~~(15-20)~~ (10-15) MCW 10-24-14	007				
8. (15-20)	008				
9. SSBR-9 (0-5)	009				
10. (5-10)	010				
11. (10-15)	011				
12. (15-20)	012				
13. SSBR-10 (0-5)	013				
14. (5-10)	014				
15. (10-15)	015				
16. (15-20)	016				
17.					
18.					
19.					
20.					

MCW 10-24-14

CLIENT: GNF

SDG: GNF006

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10-22-14	1900	[illegible]	[illegible]	B	PREP	
10/24/14	2224	[illegible]	[illegible]	All (E) 1-8 8151-S	Analysis	
10/28/14	1348	[illegible]	[illegible]	All (E) 8270-S	Analysis	
10/28/14	1832	[illegible]	[illegible]	All (E) 8182-S	Analysis	
10/30/14	1126	[illegible]	[illegible]	(E) 9-1-6 8151-S	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: B05-~~700~~ 10 BC 11-12-14 TURN AROUND TIME: 21 DAYS

SDG: GNF006 CASE#: _____ MATRIX: Soil pH CHECK (X) or (N)

REMARKS: MCW 10-24-14

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 10-22-14 TIME: 1700

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-7 (0-5)	1410F11 001C	10-22-14	A	1	TCLMPKG-S, PMOIST
2. (5-10)	002				
3. (10-15)	003				
4. (15-20)	004				
5. SSBR-8 (0-5)	005				
6. (5-10)	006				
7. (10-15)	007				
8. (15-20)	008				
9. SSBR-9 (0-5)	009				
10. (5-10)	010				
11. (10-15)	011				
12. (15-20)	012				
13. SSBR-10 (0-5)	013				
14. (5-10)	014				
15. (10-15)	015				
16. (15-20)	016				
17.					
18.	MCW	10-24-14			
19.					
20.					

CLIENT: GNF

SDG: GNF006

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10-22-14	1900	[illegible]	Matt [illegible]	A	DIG	
10-31-14	15:00	Matt [illegible]	Hannah [illegible]	DIGS	Analysis	

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04927

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF006

PROJECT NAME/NUMBER: Oakville Point / Glen Cove

SAMPLERS: (Signature)/Client
Gannett Fleming
100 Crossways Park Drive W
Woodbury NY 11797

DELIVERABLES:

TURNAROUND TIME: Standard

NOTES:

Project Contact:

Phone Number:

PIS/Quote #

Sample Container Description: Terra Core - VOAs; 4 oz Jar; 2 oz Jar; 8 oz Jar

Total No. of Containers

ANALYSIS REQUESTED: VOCs; SVOCs/PCBs/Pesticides; Metals; Ammonia

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/PCBs/Pesticides	Metals	Ammonia					LAB I.D. NO.	REMARKS:
10/23/14	8:11	SL	SSBR-11 (0-5)	7	4	1	1	1				GNF004	1410F86-001	GNF004
10/23/14	8:25	SL	SSBR-11 (5-10)	7	4	1	1	1					2	
10/23/14	8:34	SL	SSBR-11 (10-15)	7	4	1	1	1					3	
10/23/14	8:48	SL	SSBR-11 (15-20)	7	4	1	1	1				GNF006	1410F88-001	GNF006
10/23/14	8:57	SL	SSBR-11 (20-25)	7	4	1	1	1					2	
10/23/14	9:55	SL	SSBR-12 (0-5)	7	4	1	1	1					3	
10/23/14	10:10	SL	SSBR-12 (5-10)	7	4	1	1	1					4	
10/23/14	10:21	SL	SSBR-12 (10-15)	7	4	1	1	1					1410F89-001	GNF007
10/23/14	10:31	SL	SSBR-12 (15-20)	7	4	1	1	1					2	
10/23/14	10:44	SL	SSBR-12 (20-25)	7	4	1	1	1					3	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/23/14	14:35	[signature]	10/23	14:35
[signature]	10/23	15:30	[signature]	10/23/14	15:30

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ____ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

(19.4°C)

GNF006 S26

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

GNF006

Sample Receipt Checklist

Client Name **GNF** | Date and Time Received: **10/23/2014 3:30:00 PM**

Work Order Number: **1410F88** RcptNo: **1** | Received by **JoshLaedke**

Completed by: | Reviewed by:

Completed Date: 10/28/2014 1:53:47 PM | Reviewed Date: 10/28/2014 1:46:32 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐
Response when temperature is outside of range:	Samples were collected the same day and chilled.			
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To 19.4 °	
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: | SDG: GNF006 | SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

GNF006 S27

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: B05 ~~[illegible]~~ 10 BC 11-12-14 TURN AROUND TIME: 21 DAYS

SDG: GNF006 CASE#: _____ MATRIX: SOIL pH CHECK Y or N

REMARKS: _____

RECEIVED BY: JP SIGNATURE: [signature] DATE: 10/23/14 TIME: 15:30

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-11 (15-20)	1410F84 -001A	10/23/14	D, AA	3, 1	8260B_SUFF (SEL)
2. (20-25)	2				
3. SSBR-12 (0-5)	3				
4. (5-10)	4				
5.					
6.					
7.					
8.					
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17.					
18.					
19.					
20.					

JD

10/23/14

CLIENT: GNF

SDG: GNF006

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/23/14	1715	[signature]	J Boemeck	D, AA	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-~~70D~~ 10 ⊕ JS 11/11/14 TURN AROUND TIME: 21 DAYS

SDG: GNF006 CASE#: _____ MATRIX: Soil pH CHECK Y or N

REMARKS: _____

RECEIVED BY: JO SIGNATURE: [signature] JO DATE: 10/23/14 TIME: 15:30

	CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1.	SSBR-11 (15-20)	1410 F88-001 B	10/23/14	B	1	8081 1808LS 815LS 8270S-TCL
2.	↓ (20-25)	2	↓	↓	↓	↓
3.	SSBR-12 (0-5)	3	↓	↓	↓	↓
4.	↓ (5-10)	4	↓	↓	↓	↓
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

JO

10/23/14

CLIENT: GNF

SDG: GNF006

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/28/14	1715	[illegible]	[illegible]	B	Prep	
10/28/14	1348	[illegible]	[illegible]	A11 8270-S	Analysis	
10/28/14	1832	[illegible]	[illegible]	A11 8182-S	Analysis	
10/31/14	1815	[illegible]	[illegible]	A11 8151-S	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: B05 ~~20D~~ 10 BC 11-12-14 TURN AROUND TIME: 21 DAYS

SDG: GNF006 CASE#: _____ MATRIX: Soil pH CHECK Y or (N)

REMARKS: _____

RECEIVED BY: (R) SIGNATURE: [signature] (R) DATE: 10/23/14 TIME: 1530

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-11 (15-20)	1410F88-001C	10/23/14	A	1	6010_S_PKG_PMOIST HG_7491A_S
2. ↓ (20-25)	2	↓	↓	↓	↓
3. SSBR-12 (0-5)	3	↓	↓	↓	↓
4. ↓ (5-10)	4	↓	↓	↓	↓
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

JO

10/23/14

CLIENT: GNF

SDG: GNF006

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/03/14	1715	[illegible]	Matt [illegible]	A	DJh	
10/31/14	15:00	Matt [illegible]	Hamaw [illegible]	DIGS	Analysis	

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

IV. ANALYTICAL FORM I'S:

A. VOLATILES
B. SEMIVOLATILES
C. PESTICIDES/PCBs
D. HERBICIDES
E. METALS

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
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A. VOLATILES

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(300\ U)}{D} \text{ x df where } D = \frac{100\% moisture}{100}$$

and df - dilution factor

$$\text{For example, at 24\% moisture, } D = \frac{100-24}{100} = 0.76$$

$$\frac{(300\ U)}{.76} \text{ x 10 - 4300 U rounded to the appropriate number of significant figures}$$

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 µg/L and a concentration of 3 µg/L is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported of Form I with a "P".

C - This flag applies to pesticide results when the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory defined flag, discussed below.

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B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identified compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration ranges in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g. a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceed 200 µg/L or the peak representing the two coeluting isomers on that GC column exceed 400 µg/L. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceed 400 µg/L.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - Other specific flags may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, used the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The laboratory defined flags limited to the letters "X", "Y" and "Z".

The combination of flags "BU' or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

Y Suspected secondary contamination.

X Analyte is suspected column bleed

Z Analyte had a %D greater then 20% in the daily CCV

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-001A

Sample wt/vol: 5.60 (g/mL) g Lab File ID: F68084.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 18 Date Analyzed: 10/28/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	3	JZ
75-09-2	Methylene chloride	2	JZ
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-002A

Sample wt/vol: 5 (g/mL) g Lab File ID: F68106.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 16 Date Analyzed: 10/29/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	180	U
75-01-4	Vinyl chloride	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	7	JZ
75-09-2	Methylene chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-butyl ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	3	JZ
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
108-88-3	Toluene	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
98-82-8	Isopropylbenzene	12	U
103-65-1	n-Propylbenzene	12	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	12	U
98-06-6	tert-Butylbenzene	12	U
95-63-6	1,2,4-Trimethylbenzene	12	U
135-98-8	sec-Butylbenzene	12	U
99-87-6	4-Isopropyltoluene	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
104-51-8	n-Butylbenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-003A

Sample wt/vol: 5.69 (g/mL) g Lab File ID: F68086.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 16 Date Analyzed: 10/28/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	8	JZ
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	1	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-004A

Sample wt/vol: 6.24 (g/mL) g Lab File ID: F68087.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 22 Date Analyzed: 10/28/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	3	JZ
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-005A

Sample wt/vol: 5.39 (g/mL) g Lab File ID: F68088.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 12 Date Analyzed: 10/28/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	4	JZ
75-09-2	Methylene chloride	2	JZ
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-006A

Sample wt/vol: 6.28 (g/mL) g Lab File ID: F68089.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 15 Date Analyzed: 10/28/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	2	JZ
75-09-2	Methylene chloride	9	U
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-007A

Sample wt/vol: 5.37 (g/mL) g Lab File ID: F68090.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 16 Date Analyzed: 10/28/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	170	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	3	JZ
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-008A

Sample wt/vol: 9.33 (g/mL) g Lab File ID: F68091.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 18 Date Analyzed: 10/28/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	98	U
75-01-4	Vinyl chloride	7	U
75-35-4	1,1-Dichloroethene	7	U
67-64-1	Acetone	5	JZ
75-09-2	Methylene chloride	7	U
156-60-5	trans-1,2-Dichloroethene	7	U
1634-04-4	Methyl tert-butyl ether	7	U
75-34-3	1,1-Dichloroethane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
78-93-3	2-Butanone	7	U
67-66-3	Chloroform	7	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon tetrachloride	7	U
71-43-2	Benzene	7	U
107-06-2	1,2-Dichloroethane	7	U
79-01-6	Trichloroethene	7	U
108-88-3	Toluene	7	U
127-18-4	Tetrachloroethene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
1330-20-7	Xylene (total)	7	U
98-82-8	Isopropylbenzene	7	U
103-65-1	n-Propylbenzene	7	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	7	U
98-06-6	tert-Butylbenzene	7	U
95-63-6	1,2,4-Trimethylbenzene	7	U
135-98-8	sec-Butylbenzene	7	U
99-87-6	4-Isopropyltoluene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
104-51-8	n-Butylbenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-009A

Sample wt/vol: 5.34 (g/mL) g Lab File ID: F68092.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 6.7 Date Analyzed: 10/28/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	3	JZ
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-010A

Sample wt/vol: 5.78 (g/mL) g Lab File ID: F68093.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 14 Date Analyzed: 10/28/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	4	JZ
75-09-2	Methylene chloride	1	JZ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-011A

Sample wt/vol: 5.59 (g/mL) g Lab File ID: F68094.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 21 Date Analyzed: 10/28/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	170	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	8	JZ
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-012A

Sample wt/vol: 5.45 (g/mL) g Lab File ID: F68095.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 18 Date Analyzed: 10/28/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	170	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	8	JZ
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-013A

Sample wt/vol: 5.93 (g/mL) g Lab File ID: F68096.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 14 Date Analyzed: 10/28/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	40	Z
75-09-2	Methylene chloride	2	JZ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	15	
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-014A

Sample wt/vol: 5.23 (g/mL) g Lab File ID: F68097.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 18 Date Analyzed: 10/28/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	170	U
75-01-4	Vinyl chloride	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	220	Z
75-09-2	Methylene chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-butyl ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	85	
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
71-43-2	Benzene	4	J
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
108-88-3	Toluene	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	34	
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
98-82-8	Isopropylbenzene	12	U
103-65-1	n-Propylbenzene	12	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	12	U
98-06-6	tert-Butylbenzene	12	U
95-63-6	1,2,4-Trimethylbenzene	12	U
135-98-8	sec-Butylbenzene	12	U
99-87-6	4-Isopropyltoluene	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	1	J
104-51-8	n-Butylbenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-015A

Sample wt/vol: 5.99 (g/mL) g Lab File ID: F68098.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 14 Date Analyzed: 10/28/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	3	JZ
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-016A

Sample wt/vol: 8.08 (g/mL) g Lab File ID: F68099.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: not dec. 15 Date Analyzed: 10/28/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	110	U
75-01-4	Vinyl chloride	7	U
75-35-4	1,1-Dichloroethene	7	U
67-64-1	Acetone	7	U
75-09-2	Methylene chloride	7	U
156-60-5	trans-1,2-Dichloroethene	7	U
1634-04-4	Methyl tert-butyl ether	7	U
75-34-3	1,1-Dichloroethane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
78-93-3	2-Butanone	7	U
67-66-3	Chloroform	7	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon tetrachloride	7	U
71-43-2	Benzene	7	U
107-06-2	1,2-Dichloroethane	7	U
79-01-6	Trichloroethene	7	U
108-88-3	Toluene	7	U
127-18-4	Tetrachloroethene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
1330-20-7	Xylene (total)	7	U
98-82-8	Isopropylbenzene	7	U
103-65-1	n-Propylbenzene	7	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	7	U
98-06-6	tert-Butylbenzene	7	U
95-63-6	1,2,4-Trimethylbenzene	7	U
135-98-8	sec-Butylbenzene	7	U
99-87-6	4-Isopropyltoluene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
104-51-8	n-Butylbenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-001A

Sample wt/vol: 6.47 (g/mL) g Lab File ID: F68111.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. 23 Date Analyzed: 10/29/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	5	JZ
75-09-2	Methylene chloride	1	JZ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	3	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	1	J
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-002A

Sample wt/vol: 5.89 (g/mL) g Lab File ID: F68112.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. 22 Date Analyzed: 10/29/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	3	JZ
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	6	J
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-003A

Sample wt/vol: 5.46 (g/mL) g Lab File ID: F68113.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. 11 Date Analyzed: 10/29/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	63	Z
75-09-2	Methylene chloride	2	JZ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	2	J
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	28	
1330-20-7	Xylene (total)	75	
98-82-8	Isopropylbenzene	18	
103-65-1	n-Propylbenzene	20	
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	98	
98-06-6	tert-Butylbenzene	3	J
95-63-6	1,2,4-Trimethylbenzene	130	
135-98-8	sec-Butylbenzene	7	J
99-87-6	4-Isopropyltoluene	8	J
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	7	J
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-004A

Sample wt/vol: 6.77 (g/mL) g Lab File ID: F68114.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. 12 Date Analyzed: 10/29/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	8	U
75-35-4	1,1-Dichloroethene	8	U
67-64-1	Acetone	2	JZ
75-09-2	Methylene chloride	8	U
156-60-5	trans-1,2-Dichloroethene	8	U
1634-04-4	Methyl tert-butyl ether	8	U
75-34-3	1,1-Dichloroethane	8	U
156-59-2	cis-1,2-Dichloroethene	8	U
78-93-3	2-Butanone	8	U
67-66-3	Chloroform	8	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon tetrachloride	8	U
71-43-2	Benzene	8	U
107-06-2	1,2-Dichloroethane	8	U
79-01-6	Trichloroethene	8	U
108-88-3	Toluene	8	U
127-18-4	Tetrachloroethene	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
1330-20-7	Xylene (total)	8	U
98-82-8	Isopropylbenzene	8	U
103-65-1	n-Propylbenzene	8	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	8	U
98-06-6	tert-Butylbenzene	8	U
95-63-6	1,2,4-Trimethylbenzene	8	U
135-98-8	sec-Butylbenzene	8	U
99-87-6	4-Isopropyltoluene	8	U
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
104-51-8	n-Butylbenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U

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B. SEMIVOLATILES

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-001B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25261.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
132-64-9	Dibenzofuran	400	U
86-73-7	Fluorene	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-002B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R25262.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-003B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R25263.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	110	J
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	1100	
120-12-7	Anthracene	420	
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	760	
56-55-3	Benzo(a)anthracene	480	
218-01-9	Chrysene	380	J
205-99-2	Benzo(b)fluoranthene	360	J
207-08-9	Benzo(k)fluoranthene	140	J
50-32-8	Benzo(a)pyrene	350	J
193-39-5	Indeno(1,2,3-cd)pyrene	160	J
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	160	J

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7(15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-004B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R25264.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
132-64-9	Dibenzofuran	420	U
86-73-7	Fluorene	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	310	U
191-24-2	Benzo(g,h,i)perylene	420	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-005B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R25301.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8(0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-005BRE

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R25285.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-006B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R25265.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-007B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: R25266.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8(15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-008B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: R25267.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
132-64-9	Dibenzofuran	400	U
86-73-7	Fluorene	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-009B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R25302.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 6.7 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9(0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-009BRE

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R25286.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 6.7 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-010B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25268.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-011B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R25269.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
132-64-9	Dibenzofuran	410	U
86-73-7	Fluorene	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	300	U
191-24-2	Benzo(g,h,i)perylene	410	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9(15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-012B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: R25270.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
132-64-9	Dibenzofuran	400	U
86-73-7	Fluorene	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-013B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R25303.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	140	J
129-00-0	Pyrene	120	J
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10(0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-013BRE

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R25287.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	130	J
129-00-0	Pyrene	120	J
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	88	J
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-014B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25271.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
132-64-9	Dibenzofuran	400	U
86-73-7	Fluorene	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-015B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25272.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10(15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-016B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R25273.D

Level: (low/med) LOW Date Received: 10/22/14

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11(15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-001B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R25274.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	430	U
95-48-7	2-Methylphenol	430	U
106-44-5	4-Methylphenol	430	U
91-20-3	Naphthalene	430	U
208-96-8	Acenaphthylene	430	U
83-32-9	Acenaphthene	430	U
132-64-9	Dibenzofuran	430	U
86-73-7	Fluorene	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenzo(a,h)anthracene	310	U
191-24-2	Benzo(g,h,i)perylene	430	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11(20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-002B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R25275.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
132-64-9	Dibenzofuran	420	U
86-73-7	Fluorene	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	310	U
191-24-2	Benzo(g,h,i)perylene	420	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12(0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-003B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R25304.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12(0-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-003BRE

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R25288.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-004B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25305.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12(5-10)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-004BRE

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25289.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-46861

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: MB-46861

Sample wt/vol: 15 (g/mL) g Lab File ID: R25259.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/24/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/28/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
132-64-9	Dibenzofuran	330	U
86-73-7	Fluorene	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	240	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

C. PESTICIDES/PCBS

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f11-001b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00598.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4´-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4´-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4´-DDT	4.0	U
5103-71-9	alpha-Chlordane	2.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-001B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00516.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	82	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	U
11096-82-5	Aroclor 1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f11-002b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00599.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-002B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00517.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (10-15)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-003B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00668.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-003B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00518.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f11-004b

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00579.raw

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4´-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4´-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4´-DDT	4.2	U
5103-71-9	alpha-Chlordane	2.2	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (15-20)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-004B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00519.raw

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	42	U
11104-28-2	Aroclor 1221	86	U
11141-16-5	Aroclor 1232	42	U
53469-21-9	Aroclor 1242	42	U
12672-29-6	Aroclor 1248	42	U
11097-69-1	Aroclor 1254	42	U
11096-82-5	Aroclor 1260	42	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f11-005b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00601.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-005B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00520.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f11-006b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00580.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-006B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00521.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f11-007b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00581.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-007B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00522.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f11-008b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00582.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4´-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4´-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4´-DDT	4.0	U
5103-71-9	alpha-Chlordane	2.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (15-20)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-008B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00523.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	81	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	U
11096-82-5	Aroclor 1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f11-009b

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00603.raw

% Moisture: 6.7 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4´-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4´-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4´-DDT	3.5	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-009B

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00524.raw

% Moisture: 6.7 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	72	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	35	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f11-010b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00583.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-010B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00525.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f11-011b

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00584.raw

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4´-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4´-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4´-DDT	4.1	U
5103-71-9	alpha-Chlordane	2.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-011B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: a00526.raw

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	41	U
11104-28-2	Aroclor 1221	84	U
11141-16-5	Aroclor 1232	41	U
53469-21-9	Aroclor 1242	41	U
12672-29-6	Aroclor 1248	41	U
11097-69-1	Aroclor 1254	41	U
11096-82-5	Aroclor 1260	41	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f11-012b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00585.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4´-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4´-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4´-DDT	4.0	U
5103-71-9	alpha-Chlordane	2.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (15-20)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-012B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00527.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	82	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	U
11096-82-5	Aroclor 1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f11-013b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00604.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-013B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00528.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f11-014b

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00602.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4´-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4´-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4´-DDT	4.0	U
5103-71-9	alpha-Chlordane	2.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-014B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00529.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	81	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	U
11096-82-5	Aroclor 1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f11-015b

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00586.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-015B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: a00530.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (15-20)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f11-016b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00634.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
5103-71-9	alpha-Chlordane	2.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (15-20)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-016B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00531.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f88-001b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00588.raw

% Moisture: 23 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4´-DDE	4.3	U
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4´-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4´-DDT	4.3	U
5103-71-9	alpha-Chlordane	2.2	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (15-20)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-001B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00532.raw

% Moisture: 23 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	43	U
11104-28-2	Aroclor 1221	87	U
11141-16-5	Aroclor 1232	43	U
53469-21-9	Aroclor 1242	43	U
12672-29-6	Aroclor 1248	43	U
11097-69-1	Aroclor 1254	43	U
11096-82-5	Aroclor 1260	43	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-002B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00589.raw

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4´-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4´-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4´-DDT	4.2	U
5103-71-9	alpha-Chlordane	2.2	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (20-25)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-002B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00533.raw

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	42	U
11104-28-2	Aroclor 1221	86	U
11141-16-5	Aroclor 1232	42	U
53469-21-9	Aroclor 1242	42	U
12672-29-6	Aroclor 1248	42	U
11097-69-1	Aroclor 1254	42	U
11096-82-5	Aroclor 1260	42	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410f88-003b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00605.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (0-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-003B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00535.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	37	U X
11104-28-2	Aroclor 1221	75	U
11141-16-5	Aroclor 1232	37	U X
53469-21-9	Aroclor 1242	31	PJ
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	42	P
11096-82-5	Aroclor 1260	37	U

11/11/14

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-004B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00592.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-004B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00534.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/27/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/29/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

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D. HERBICIDES

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-001B

Sample wt/vol: 25.14 (g/mL) g Lab File ID: A00652.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.1	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-002B

Sample wt/vol: 25.19 (g/mL) g Lab File ID: A00654.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.9	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-003B

Sample wt/vol: 25.07 (g/mL) g Lab File ID: A00655.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.9	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-7 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-004B

Sample wt/vol: 25.18 (g/mL) g Lab File ID: A00656.raw

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.4	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-005B

Sample wt/vol: 25.16 (g/mL) g Lab File ID: A00657.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.7	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-006B

Sample wt/vol: 25.04 (g/mL) g Lab File ID: A00658.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.9	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-007B

Sample wt/vol: 25.14 (g/mL) g Lab File ID: A00659.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.9	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-8 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-008B

Sample wt/vol: 25.03 (g/mL) g Lab File ID: A00660.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/23/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/26/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.1	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-009B

Sample wt/vol: 25.13 (g/mL) g Lab File ID: A00837.raw

% Moisture: 6.7 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/29/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.3	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-010B

Sample wt/vol: 25.04 (g/mL) g Lab File ID: A00839.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/29/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.8	U

FORM I HERB

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-011B

Sample wt/vol: 25.09 (g/mL) g Lab File ID: A00840.raw

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/29/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.3	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-9 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-012B

Sample wt/vol: 25.15 (g/mL) g Lab File ID: A00841.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/29/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.1	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-013B

Sample wt/vol: 25.04 (g/mL) g Lab File ID: A00842.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/29/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.8	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-014B

Sample wt/vol: 25.03 (g/mL) g Lab File ID: A00844.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/29/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.1	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-015B

Sample wt/vol: 25.18 (g/mL) g Lab File ID: A00845.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/29/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.8	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-10 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F11-016B

Sample wt/vol: 25.23 (g/mL) g Lab File ID: A00846.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 10/22/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/29/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.8	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-001B

Sample wt/vol: 25.09 (g/mL) g Lab File ID: A00887.raw

% Moisture: 23 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/30/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.5	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-11 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-002B

Sample wt/vol: 25.18 (g/mL) g Lab File ID: A00888.raw

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/30/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.4	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (0-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-003B

Sample wt/vol: 25.07 (g/mL) g Lab File ID: A00889.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/30/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF006

Matrix: (soil/water) SOIL Lab Sample ID: 1410F88-004B

Sample wt/vol: 25.01 (g/mL) g Lab File ID: A00890.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/30/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.7	U

FORM I HERB

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

E. METALS

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

E - Serial dilution is not within acceptance criteria or the reported value is estimated because of the presence of interference. An explanatory note is included in the SDG narrative.

N - Matrix spike sample recovery not within control limits.

* - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).

U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

P - Analyzed by ICP.
MS - Analyzed by ICP-MS
CV - Analyzed by Manual Cold Vapor techniques.
AV - Analyzed by Automated Cold Vapor techniques.
C - Analyzed by Manual Spectrophotometric Method.
CA- Analyzed by Midi-distillation Spectrophotometric Method.
NR - Analyte not Required.

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-7 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-001

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 81.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4070			P
7440-36-0	Antimony	0.67	B		P
7440-38-2	Arsenic	1.0	B		P
7440-39-3	Barium	45.3			P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	0.049	B		P
7440-70-2	Calcium	1610			P
7440-47-3	Chromium	8.0		*	P
7440-48-4	Cobalt	5.3	B		P
7440-50-8	Copper	12.1		*	P
7439-89-6	Iron	6380		*	P
7439-92-1	Lead	12.1		N*	P
7439-95-4	Magnesium	346	B		P
7439-96-5	Manganese	92.3		N	P
7439-97-6	Mercury	0.022	B		CV
7440-02-0	Nickel	6.2			P
7440-09-7	Potassium	625			P
7782-49-2	Selenium	0.29	U		P
7440-22-4	Silver	0.037	U	N	P
7440-23-5	Sodium	266	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	10.8			P
7440-66-6	Zinc	13.9			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 11/10/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-7 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-002

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 84.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3230			P
7440-36-0	Antimony	0.52	B		P
7440-38-2	Arsenic	1.0	B		P
7440-39-3	Barium	25.6			P
7440-41-7	Beryllium	0.18	B		P
7440-43-9	Cadmium	0.036	B		P
7440-70-2	Calcium	655			P
7440-47-3	Chromium	7.0		*	P
7440-48-4	Cobalt	5.1	B		P
7440-50-8	Copper	11.6		*	P
7439-89-6	Iron	5830		*	P
7439-92-1	Lead	5.8		N*	P
7439-95-4	Magnesium	234	B		P
7439-96-5	Manganese	50.6		N	P
7439-97-6	Mercury	0.020	U		CV
7440-02-0	Nickel	4.6	B		P
7440-09-7	Potassium	633			P
7782-49-2	Selenium	0.28	U		P
7440-22-4	Silver	0.036	U	N	P
7440-23-5	Sodium	103	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	9.0			P
7440-66-6	Zinc	11.7			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 11/10/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-7 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-003

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 83.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4450			P
7440-36-0	Antimony	0.85	B		P
7440-38-2	Arsenic	0.49	B		P
7440-39-3	Barium	20.9	B		P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	0.14	B		P
7440-70-2	Calcium	1140			P
7440-47-3	Chromium	6.5		*	P
7440-48-4	Cobalt	6.6			P
7440-50-8	Copper	10.3		*	P
7439-89-6	Iron	12000		*	P
7439-92-1	Lead	4.5		N*	P
7439-95-4	Magnesium	321	B		P
7439-96-5	Manganese	122		N	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	7.3			P
7440-09-7	Potassium	547	B		P
7782-49-2	Selenium	0.28	U		P
7440-22-4	Silver	0.035	U	N	P
7440-23-5	Sodium	41.4	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	14.4			P
7440-66-6	Zinc	11.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-7 (15-20)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-004

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 78.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4110			P
7440-36-0	Antimony	0.99	B		P
7440-38-2	Arsenic	4.2			P
7440-39-3	Barium	28.9			P
7440-41-7	Beryllium	0.24	B		P
7440-43-9	Cadmium	0.089	B		P
7440-70-2	Calcium	292	B		P
7440-47-3	Chromium	18.5		*	P
7440-48-4	Cobalt	5.6	B		P
7440-50-8	Copper	25.0		*	P
7439-89-6	Iron	12000		*	P
7439-92-1	Lead	6.6		N*	P
7439-95-4	Magnesium	202	B		P
7439-96-5	Manganese	34.6		N	P
7439-97-6	Mercury	0.060			CV
7440-02-0	Nickel	6.9			P
7440-09-7	Potassium	814			P
7782-49-2	Selenium	0.30	U		P
7440-22-4	Silver	0.038	U	N	P
7440-23-5	Sodium	62.3	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	24.2			P
7440-66-6	Zinc	11.8			P

Color Before: GRAY Clarity Before: Texture: CLAY

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 11/10/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-8 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-005

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 87.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4710			P
7440-36-0	Antimony	0.85	B		P
7440-38-2	Arsenic	1.1	B		P
7440-39-3	Barium	18.4	B		P
7440-41-7	Beryllium	0.23	B		P
7440-43-9	Cadmium	0.045	B		P
7440-70-2	Calcium	628			P
7440-47-3	Chromium	7.3		*	P
7440-48-4	Cobalt	7.2			P
7440-50-8	Copper	6.2		*	P
7439-89-6	Iron	9790		*	P
7439-92-1	Lead	4.6		N*	P
7439-95-4	Magnesium	461	B		P
7439-96-5	Manganese	145		N	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	6.1			P
7440-09-7	Potassium	516	B		P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.033	U	N	P
7440-23-5	Sodium	126	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	11.7			P
7440-66-6	Zinc	17.8			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-8 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-006

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 84.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4020			P
7440-36-0	Antimony	0.80	B		P
7440-38-2	Arsenic	0.60	B		P
7440-39-3	Barium	16.7	B		P
7440-41-7	Beryllium	0.20	B		P
7440-43-9	Cadmium	0.023	U		P
7440-70-2	Calcium	273	B		P
7440-47-3	Chromium	8.6		*	P
7440-48-4	Cobalt	8.6			P
7440-50-8	Copper	6.0		*	P
7439-89-6	Iron	8350		*	P
7439-92-1	Lead	7.6		N*	P
7439-95-4	Magnesium	398	B		P
7439-96-5	Manganese	152		N	P
7439-97-6	Mercury	0.019	B		CV
7440-02-0	Nickel	5.0			P
7440-09-7	Potassium	471	B		P
7782-49-2	Selenium	0.28	U		P
7440-22-4	Silver	0.035	U	N	P
7440-23-5	Sodium	83.0	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	10.4			P
7440-66-6	Zinc	13.9			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-8 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-007

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 84.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5180			P
7440-36-0	Antimony	0.80	B		P
7440-38-2	Arsenic	0.71	B		P
7440-39-3	Barium	17.5	B		P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium	0.047	B		P
7440-70-2	Calcium	280	B		P
7440-47-3	Chromium	5.7		*	P
7440-48-4	Cobalt	5.0	B		P
7440-50-8	Copper	7.0		*	P
7439-89-6	Iron	11000		*	P
7439-92-1	Lead	4.4		N*	P
7439-95-4	Magnesium	365	B		P
7439-96-5	Manganese	88.3		N	P
7439-97-6	Mercury	0.020	U		CV
7440-02-0	Nickel	6.3			P
7440-09-7	Potassium	506	B		P
7782-49-2	Selenium	0.28	U		P
7440-22-4	Silver	0.035	U	N	P
7440-23-5	Sodium	57.9	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	12.4			P
7440-66-6	Zinc	13.5			P

Color Before: BROWN Clarity Before: _____ Texture: COARSE

Color After: BROWN Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 11/10/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-8 (15-20)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-008

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 82.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1930			P
7440-36-0	Antimony	0.36	B		P
7440-38-2	Arsenic	0.25	B		P
7440-39-3	Barium	8.7	B		P
7440-41-7	Beryllium	0.085	B		P
7440-43-9	Cadmium	0.024	U		P
7440-70-2	Calcium	99.0	B		P
7440-47-3	Chromium	9.8		*	P
7440-48-4	Cobalt	1.3	B		P
7440-50-8	Copper	4.3		*	P
7439-89-6	Iron	4970		*	P
7439-92-1	Lead	1.6		N*	P
7439-95-4	Magnesium	129	B		P
7439-96-5	Manganese	29.1		N	P
7439-97-6	Mercury	0.020	U		CV
7440-02-0	Nickel	2.8	B		P
7440-09-7	Potassium	271	B		P
7782-49-2	Selenium	0.29	U		P
7440-22-4	Silver	0.036	U	N	P
7440-23-5	Sodium	47.0	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	5.5	B		P
7440-66-6	Zinc	8.0			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-9 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-009

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 93.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3020			P
7440-36-0	Antimony	0.67	B		P
7440-38-2	Arsenic	1.2			P
7440-39-3	Barium	16.0	B		P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	0.19	B		P
7440-70-2	Calcium	5010			P
7440-47-3	Chromium	9.1		*	P
7440-48-4	Cobalt	3.0	B		P
7440-50-8	Copper	8.1		*	P
7439-89-6	Iron	8730		*	P
7439-92-1	Lead	38.4		N*	P
7439-95-4	Magnesium	1100			P
7439-96-5	Manganese	71.5		N	P
7439-97-6	Mercury	0.038			CV
7440-02-0	Nickel	5.9			P
7440-09-7	Potassium	341	B		P
7782-49-2	Selenium	0.25	U		P
7440-22-4	Silver	0.032	U	N	P
7440-23-5	Sodium	212	B		P
7440-28-0	Thallium	0.98	U		P
7440-62-2	Vanadium	10			P
7440-66-6	Zinc	23.2			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-9 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-010

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 86.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5000			P
7440-36-0	Antimony	0.96	B		P
7440-38-2	Arsenic	1.1	B		P
7440-39-3	Barium	12.0	B		P
7440-41-7	Beryllium	0.32	B		P
7440-43-9	Cadmium	0.18	B		P
7440-70-2	Calcium	368	B		P
7440-47-3	Chromium	8.6		*	P
7440-48-4	Cobalt	5.2	B		P
7440-50-8	Copper	8.0		*	P
7439-89-6	Iron	13500		*	P
7439-92-1	Lead	3.7		N*	P
7439-95-4	Magnesium	372	B		P
7439-96-5	Manganese	76.9		N	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	6.4			P
7440-09-7	Potassium	426	B		P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.034	U	N	P
7440-23-5	Sodium	183	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	16.4			P
7440-66-6	Zinc	16.5			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-9 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-011

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 79.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1680			P
7440-36-0	Antimony	0.46	B		P
7440-38-2	Arsenic	0.41	B		P
7440-39-3	Barium	8.3	B		P
7440-41-7	Beryllium	0.14	B		P
7440-43-9	Cadmium	0.038	B		P
7440-70-2	Calcium	131	B		P
7440-47-3	Chromium	22.0		*	P
7440-48-4	Cobalt	2.4	B		P
7440-50-8	Copper	4.1		*	P
7439-89-6	Iron	5730		*	P
7439-92-1	Lead	1.6		N*	P
7439-95-4	Magnesium	204	B		P
7439-96-5	Manganese	68.3		N	P
7439-97-6	Mercury	0.020	U		CV
7440-02-0	Nickel	9.8			P
7440-09-7	Potassium	274	B		P
7782-49-2	Selenium	0.30	U		P
7440-22-4	Silver	0.038	U	N	P
7440-23-5	Sodium	58.9	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	6.1	B		P
7440-66-6	Zinc	14.0			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-9 (15-20)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-012

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 81.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1610			P
7440-36-0	Antimony	0.41	B		P
7440-38-2	Arsenic	0.34	B		P
7440-39-3	Barium	7.9	B		P
7440-41-7	Beryllium	0.14	B		P
7440-43-9	Cadmium	0.036	B		P
7440-70-2	Calcium	102	B		P
7440-47-3	Chromium	5.6		*	P
7440-48-4	Cobalt	2.0	B		P
7440-50-8	Copper	3.6		*	P
7439-89-6	Iron	4990		*	P
7439-92-1	Lead	1.4		N*	P
7439-95-4	Magnesium	170	B		P
7439-96-5	Manganese	60.0		N	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	4.4	B		P
7440-09-7	Potassium	246	B		P
7782-49-2	Selenium	0.29	U		P
7440-22-4	Silver	0.036	U	N	P
7440-23-5	Sodium	62.9	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	5.9	B		P
7440-66-6	Zinc	10.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-10 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-013

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 85.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4810			P
7440-36-0	Antimony	1.1	B		P
7440-38-2	Arsenic	2.7			P
7440-39-3	Barium	25.6			P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	0.18	B		P
7440-70-2	Calcium	975			P
7440-47-3	Chromium	11.3		*	P
7440-48-4	Cobalt	6.0			P
7440-50-8	Copper	14.0		*	P
7439-89-6	Iron	8990		*	P
7439-92-1	Lead	21.9		N*	P
7439-95-4	Magnesium	754			P
7439-96-5	Manganese	61.0		N	P
7439-97-6	Mercury	0.053			CV
7440-02-0	Nickel	7.4			P
7440-09-7	Potassium	377	B		P
7782-49-2	Selenium	0.28	U		P
7440-22-4	Silver	0.035	U	N	P
7440-23-5	Sodium	139	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	16.0			P
7440-66-6	Zinc	24.9			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts: _____

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-10 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-014

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 82.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5720			P
7440-36-0	Antimony	1.0	B		P
7440-38-2	Arsenic	2.0			P
7440-39-3	Barium	30.9			P
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	0.17	B		P
7440-70-2	Calcium	1100			P
7440-47-3	Chromium	10.0		*	P
7440-48-4	Cobalt	5.0	B		P
7440-50-8	Copper	10.1		*	P
7439-89-6	Iron	11600		*	P
7439-92-1	Lead	18.3		N*	P
7439-95-4	Magnesium	848			P
7439-96-5	Manganese	72.9		N	P
7439-97-6	Mercury	0.15			CV
7440-02-0	Nickel	7.4			P
7440-09-7	Potassium	370	B		P
7782-49-2	Selenium	1.4			P
7440-22-4	Silver	0.036	U	N	P
7440-23-5	Sodium	121	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	15.5			P
7440-66-6	Zinc	30.8			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 11/10/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-10 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-015

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 86.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4260			P
7440-36-0	Antimony	0.53	B		P
7440-38-2	Arsenic	0.74	B		P
7440-39-3	Barium	11.0	B		P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	0.023	U		P
7440-70-2	Calcium	184	B		P
7440-47-3	Chromium	5.6		*	P
7440-48-4	Cobalt	12.3			P
7440-50-8	Copper	6.9		*	P
7439-89-6	Iron	8850		*	P
7439-92-1	Lead	2.6		N*	P
7439-95-4	Magnesium	252	B		P
7439-96-5	Manganese	109		N	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	5.1			P
7440-09-7	Potassium	400	B		P
7782-49-2	Selenium	0.28	U		P
7440-22-4	Silver	0.035	U	N	P
7440-23-5	Sodium	36.9	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	11.1			P
7440-66-6	Zinc	12.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-10 (15-20)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F11-016

Level (low/med): LOW Date Received: 10/22/2014

% Solids: 85.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3770			P
7440-36-0	Antimony	0.23	B		P
7440-38-2	Arsenic	0.82	B		P
7440-39-3	Barium	12.0	B		P
7440-41-7	Beryllium	0.19	B		P
7440-43-9	Cadmium	0.035	B		P
7440-70-2	Calcium	208	B		P
7440-47-3	Chromium	7.6		*	P
7440-48-4	Cobalt	7.5			P
7440-50-8	Copper	5.0		*	P
7439-89-6	Iron	5560		*	P
7439-92-1	Lead	3.1		N*	P
7439-95-4	Magnesium	362	B		P
7439-96-5	Manganese	221		N	P
7439-97-6	Mercury	0.020	B		CV
7440-02-0	Nickel	5.0			P
7440-09-7	Potassium	320	B		P
7782-49-2	Selenium	0.28	U		P
7440-22-4	Silver	0.035	U	N	P
7440-23-5	Sodium	45.6	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	8.0			P
7440-66-6	Zinc	12.0			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-11 (15-20)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F88-001

Level (low/med): LOW Date Received: 10/23/2014

% Solids: 77.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4780			P
7440-36-0	Antimony	0.62	B		P
7440-38-2	Arsenic	2.6			P
7440-39-3	Barium	34.4			P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	0.026	U		P
7440-70-2	Calcium	336	B		P
7440-47-3	Chromium	7.1		*	P
7440-48-4	Cobalt	26.5			P
7440-50-8	Copper	17.6		*	P
7439-89-6	Iron	7200		*	P
7439-92-1	Lead	7.9		N*	P
7439-95-4	Magnesium	240	B		P
7439-96-5	Manganese	282		N	P
7439-97-6	Mercury	0.021	U		CV
7440-02-0	Nickel	7.8			P
7440-09-7	Potassium	756			P
7782-49-2	Selenium	0.31	U		P
7440-22-4	Silver	0.039	U	N	P
7440-23-5	Sodium	227	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	14.8			P
7440-66-6	Zinc	21.7			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-11 (20-25)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F88-002

Level (low/med): LOW Date Received: 10/23/2014

% Solids: 77.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3400			P
7440-36-0	Antimony	0.75	B		P
7440-38-2	Arsenic	2.7			P
7440-39-3	Barium	24.2	B		P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	0.088	B		P
7440-70-2	Calcium	263	B		P
7440-47-3	Chromium	8.7		*	P
7440-48-4	Cobalt	3.5	B		P
7440-50-8	Copper	8.5		*	P
7439-89-6	Iron	8560		*	P
7439-92-1	Lead	8.2		N*	P
7439-95-4	Magnesium	122	B		P
7439-96-5	Manganese	30.1		N	P
7439-97-6	Mercury	0.042	B		CV
7440-02-0	Nickel	6.4			P
7440-09-7	Potassium	779			P
7782-49-2	Selenium	0.30	U		P
7440-22-4	Silver	0.038	U	N	P
7440-23-5	Sodium	155	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	19.0			P
7440-66-6	Zinc	10.2			P

Color Before: GRAY Clarity Before: Texture: CLAY

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 11/10/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-12 (0-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F88-003

Level (low/med): LOW Date Received: 10/23/2014

% Solids: 88.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5300			P
7440-36-0	Antimony	0.61	B		P
7440-38-2	Arsenic	2.4			P
7440-39-3	Barium	23.6			P
7440-41-7	Beryllium	0.19	B		P
7440-43-9	Cadmium	0.10	B		P
7440-70-2	Calcium	986			P
7440-47-3	Chromium	12.6		*	P
7440-48-4	Cobalt	3.4	B		P
7440-50-8	Copper	13.8		*	P
7439-89-6	Iron	8720		*	P
7439-92-1	Lead	13.8		N*	P
7439-95-4	Magnesium	815			P
7439-96-5	Manganese	44.3		N	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	6.2			P
7440-09-7	Potassium	729			P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.034	U	N	P
7440-23-5	Sodium	140	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	22.9			P
7440-66-6	Zinc	20.2			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 11/10/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-12 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF006

Matrix (soil/water): SOIL Lab Sample ID: 1410F88-004

Level (low/med): LOW Date Received: 10/23/2014

% Solids: 87.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6180			P
7440-36-0	Antimony	1.1	B		P
7440-38-2	Arsenic	2.7			P
7440-39-3	Barium	22.9			P
7440-41-7	Beryllium	0.29	B		P
7440-43-9	Cadmium	0.18	B		P
7440-70-2	Calcium	602			P
7440-47-3	Chromium	15.6		*	P
7440-48-4	Cobalt	4.2	B		P
7440-50-8	Copper	11.3		*	P
7439-89-6	Iron	11900		*	P
7439-92-1	Lead	5.3		N*	P
7439-95-4	Magnesium	977			P
7439-96-5	Manganese	53.8		N	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	9.1			P
7440-09-7	Potassium	636			P
7782-49-2	Selenium	0.27	U		P
7440-22-4	Silver	0.034	U	N	P
7440-23-5	Sodium	103	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	21.3			P
7440-66-6	Zinc	21.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 11/10/14

Pace Long Island

575 Broad Hollow Road
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ANALYTICAL DATA PACKAGE
ASP A PACKAGE

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GANNETT & FLEMING
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- B. SEMIVOLATILES
- C. PESTICIDES/PCBs
- D. HERBICIDES
- E. METALS

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I. SDG NARRATIVE

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SDG NARRATIVE FOR VOLATILES ANALYSIS
SAMPLE(S) RECEIVED: 10/23/14
SDG#: GNF007

For Sample(s):

SSBR-12 (10-15)
SSBR-12 (15-20)
SSBR-12 (20-25)

The above sample(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260C and reported in accordance with the NYS ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/matrix spike duplicate analysis. Lab fortified blanks were analyzed, and all percent recoveries were within Q. C. limits.

In the initial calibration, average response factors were employed for most analytes, and regression function(s) was/were used for the compound(s) with an RSD above 20%. If variability criteria for the continuous calibration checks (CCV) of 20%D were not met, data are regarded estimated and are flagged with a "Z" qualifier.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 18, 2014

****
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* *
****
Joann M. Slavin
General Manager

Pace Long Island

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SDG NARRATIVE FOR SEMIVOLATILE ANALYSES
SAMPLE(S) RECEIVED: 10/23/14
SDG #: GNF007

For Sample(s):

SSBR-12 (10-15)
SSBR-12 (15-20)
SSBR-12 (20-25)

The above sample(s) was/were analyzed for a select list of base/neutral extractables by EPA method 8270D.in accordance with the NYSDEC ASP, Rev. 7/2005, Category A.

All Q.C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

No matrix spike/matrix spike duplicate was submitted. Lab fortified blanks were analyzed, and recoveries indicate good method efficiency.

In the initial calibrations, average response factors were employed for the compounds with RSDs up to 20%. The variability %D for pentachlorophenol in the CCVs also exceeded 20%. These samples are flagged with a "Z" qualifier indicating that is regarded estimated.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 11, 2014

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* *
****
Joann M. Slavin
General Manager

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SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLE(S) RECEIVED: 10/23/14
SDG#: GNF007

For Sample(s):

SSBR-12 (10-15)
SSBR-12 (15-20)
SSBR-12 (20-25)

The above soil sample(s) was/were analyzed for a select list of chlorinated pesticides and aroclors by methods 8081B and 8082A in accordance with the NYSDEC ASP, Rev. 7/2005 and reported with the requested deliverables.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

The concentrates were split and analyzed separately for pesticides and PCBs. The aliquots for aroclors analysis were cleaned up with sulfuric acid and TBA for sulfur removal. These aliquots for aroclors analysis are reported with an "A" suffix.

No sample was submitted for matrix spike/ matrix spike duplicate analysis. Sample SSBR-12 (20-25) was selected for batch Q. C. analysis. Recoveries and RPDs were within Q. C. limits. Lab fortified blanks were analyzed, and recoveries indicate good method efficiency for all targeted analytes.

Variability of gamma BHC of 21% slightly exceeded the limit of 20 % on one of the two columns in one calibration verification check, but was within the limit on the other column. No data are affected.

Positives are reported to the practical detection limits of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 18, 2014

****
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* *
****
Ursula Middel
Quality Analyst

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SDG NARRATIVE FOR HERBICIDES ANALYSIS
SAMPLE(S) RECEIVED: 10/23/14
SDG#: GNF007

For Sample(s):

SSBR-12 (10-15)
SSBR-12 (15-20)
SSBR-12 (20-25)

The above soil sample(s) was/were analyzed for a select list of herbicides by method 8151A and reported according to the requirements of the NYS DEC ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the protocol, and no problems were encountered with sample analysis. The following should be noted:

No sample from this SDG was analyzed as the matrix spike/matrix spike duplicate. A lab fortified blank was analyzed with the batch, and results indicate good method efficiency.

Positives are reported to the practical detection limit (PDL) of half of the reporting limit (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 10, 2014

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Ursula Middel
Quality Analyst

Pace Long Island

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 10/23/14
SDG#: GNF007

For Sample(s):

SSBR-12 (10-15)
SSBR-12 (15-20)
SSBR-12 (20-25)

The above soil sample(s) was/were received by Pace Analytical Services Inc. for analysis of TAL metals and mercury. The samples were prepared and analyzed by EPA method 6010C with a TS ICAP 6000 instrument and EPA method 7470A with a Leeman HYDRA mercury analyzer.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SSBR-12 (20-25) was selected for batch Q. C. analysis and reporting.

Spike analysis results did not meet acceptance criteria for lead, selenium, silver, and. thallium. The sample was post spiked, reanalyzed and recoveries were 100.9% for lead, 43.9% for selenium, 80.3% for silver, and 90.0% for thallium. Data for these metals were flagged with the qualifier "N" on forms 1 and 5A.

The spike recovery was not within 75-125% for iron and manganese. Since the sample concentrations were greater than four times the spike concentrations, Q. C. limits do not apply, and post spikes and data qualifiers were not required.

Duplicate analysis did not meet acceptance criteria for cobalt, lead, and manganese. These metals were reported with the qualifier "*" on forms 1 and 6.

The ICP serial dilution analysis did not meet control limits for magnesium and potassium. Data for these metals were reported flagged "E" on forms 1 and 9.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 11, 2014

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* *
* *
****
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II. NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: GNF007

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		GCSEMI	ME	MSSEMI	MSVOA	SUBPACE
SSBR-12 (10-15)	1410F89-001	X	X	X	X	X
SSBR-12 (15-20)	1410F89-002	X	X	X	X	X
SSBR-12 (20-25)	1410F89-003	X	X	X	X	X

CLP/Non-CLP (Please indicate year of protocol)
TCL/TAL, HSL, Priority Pollutant,

ASP A. 2000

BC 11-20-14

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: GNF007

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410F89-001A	SSBR-12 (10-15)	Soil	ASP8260	23-Oct-14	23-Oct-14		29-Oct-14		1	LOW	
1410F89-002A	SSBR-12 (15-20)	Soil	ASP8260	23-Oct-14	23-Oct-14		29-Oct-14		1	LOW	
1410F89-003A	SSBR-12 (20-25)	Soil	ASP8260	23-Oct-14	23-Oct-14		29-Oct-14		1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

SDG: GNF007

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410F89-001B	SSBR-12(10-15)	Soil	8270	23-Oct-14	23-Oct-14	29-Oct-14	04-Nov-14	PFEX	1	LOW	
1410F89-002B	SSBR-12(15-20)	Soil	8270	23-Oct-14	23-Oct-14	29-Oct-14	04-Nov-14	PFEX	1	LOW	
1410F89-003B	SSBR-12(20-25)	Soil	8270	23-Oct-14	23-Oct-14	29-Oct-14	04-Nov-14	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF007

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410F89-001B	SSBR-12 (10-15)A	Soil	SW8081/8082	23-Oct-14	23-Oct-14	28-Oct-14	30-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410F89-001B	SSBR-12 (10-15)	Soil	SW8081/8082	23-Oct-14	23-Oct-14	28-Oct-14	31-Oct-14	PFEX	1	LOW	
1410F89-002B	SSBR-12 (15-20)A	Soil	SW8081/8082	23-Oct-14	23-Oct-14	28-Oct-14	30-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410F89-002B	SSBR-12 (15-20)	Soil	SW8081/8082	23-Oct-14	23-Oct-14	28-Oct-14	31-Oct-14	PFEX	1	LOW	
1410F89-003B	SSBR-12 (20-25)A	Soil	SW8081/8082	23-Oct-14	23-Oct-14	28-Oct-14	30-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410F89-003B	SSBR-12 (20-25)	Soil	SW8081/8082	23-Oct-14	23-Oct-14	28-Oct-14	31-Oct-14	PFEX	1	LOW	
1410F89-003Bms	SSBR-12 (20-25)MS	Soil	SW8081/8082	23-Oct-14	23-Oct-14	28-Oct-14	31-Oct-14	PFEX	1	LOW	
1410F89-003Bmsd	SSBR-12 (20-25)MSD	Soil	SW8081/8082	23-Oct-14	23-Oct-14	28-Oct-14	31-Oct-14	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF007

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410F89-001B	SSBR-12 (10-15)	Soil	SW8151	23-Oct-14	23-Oct-14	30-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F89-002B	SSBR-12 (15-20)	Soil	SW8151	23-Oct-14	23-Oct-14	30-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	
1410F89-003B	SSBR-12 (20-25)	Soil	SW8151	23-Oct-14	23-Oct-14	30-Oct-14	31-Oct-14	Shake/SEPF	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG : GNF007

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	DateRecd at Lab	Date Analyzed
1410F89-001	SSBR-12 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	11/14
1410F89-002	SSBR-12 (15-20)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	11/14
1410F89-003	SSBR-12 (20-25)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	11/14
1410F89-003DUP	SSBR-12 (20-25)D	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	11/14
1410F89-003MS	SSBR-12 (20-25)S	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	23-Oct-14	11/14

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III. CHAIN OF CUSTODY FORMS

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04927

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO:

PROJECT NAME/NUMBER
GARVIES POINT / GLEN COVE

SAMPLERS: (Signature)/Client
GANNETT FLEMING
100 CROSSWAYS PARK DRIVE W
WOODBURY NY 11797

DELIVERABLES:

TURNAROUND TIME: STANDARD

NOTES:

Project Contact:

Phone Number:

PIS/Quote #

Sample Container Description: TERRA CORE - VOAS; 4 oz JAR; 2 oz JAR; 8 oz JAR

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/PCBs/PEST/HERBS	METALS	RADIOLOGICAL						LAB I.D. NO.	REMARKS:
10/23/14	8:11	SL	SSBR-11 (0-5)	7	4	1	1	1					GNF004	1410F86-001	GNF004
10/23/14	8:25	SL	SSBR-11 (5-10)	7	4	1	1	1					↓	↓ 2	↓
10/23/14	8:34	SL	SSBR-11 (10-15)	7	4	1	1	1					↓	↓ 3	↓
10/23/14	8:48	SL	SSBR-11 (15-20)	7	4	1	1	1					GNF006	1410F88-001	GNF006
10/23/14	8:57	SL	SSBR-11 (20-25)	7	4	1	1	1					↓	↓ 2	↓
10/23/14	9:55	SL	SSBR-12 (0-5)	7	4	1	1	1					↓	↓ 3	↓
10/23/14	10:10	SL	SSBR-12 (5-10)	7	4	1	1	1					↓	↓ 4	↓
10/23/14	10:21	SL	SSBR-12 (10-15)	7	4	1	1	1						1410F89-001	GNF007
10/23/14	10:31	SL	SSBR-12 (15-20)	7	4	1	1	1						↓ 2	↓
10/23/14	10:44	SL	SSBR-12 (20-25)	7	4	1	1	1						↓ 3	↓

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/23/14	14:35	[signature]	10/23	14:35
[signature]	10/23	15:30	[signature]	10/23/14	15:30

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ____ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

(19.4°-C)

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF007 S16

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

GNF007

Sample Receipt Checklist

Client Name **GNF**

Date and Time Received: **10/23/2014 3:30:00 PM**

Work Order Number: **1410F89** RcptNo: **1**

Received by **JoshLaedke**

Completed by:

Reviewed by:

Completed Date: 10/23/2014 4:13:34 PM

Reviewed Date: 10/29/2014 10:21:15 AM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐
Response when temperature is outside of range:	Samples were collected the same day and chilled.			
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To 19.4 °	
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF007 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

GNF007 S17

INTERNAL CHAIN OF CUSTODY DRL

CLIENT: GNF DELIVERABLES: ~~B05-90D~~ B05-10 11-12-14 TURN AROUND TIME: 21 DAYS

SDG: GNF007 CASE#: _____ MATRIX: ~~GW~~ SOIL JO 10/23/14 pH CHECK Y or N

REMARKS: _____

RECEIVED BY: JO SIGNATURE: [signature] JO DATE: 10/23/14 TIME: 1530

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR -12 (10-15)	1410F84-001A	10/23/14	D, AA	3, 1	~~8260-W, SUFF~~ 8260-S-SUFF (SEC)
2. -12 (15-20)	-002A	↓	↓	↓	↓
3. -12 (20-25)	-003A	↓	↓	↓	↓
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

DRL 11-12-14

JO 10/23/14

CLIENT: CNF

SDG: CNF007

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/03/14	1530	[signature]	[signature]	D, AA	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: ~~BOS-20D~~ BOS-10 BEC 11-20-14 TURN AROUND TIME: 21 DAYS

SDG: GNF007 CASE#: _____ MATRIX: ~~[illegible]~~ Soil pH CHECK Y or N

10/23/14

REMARKS: _____

RECEIVED BY: JP SIGNATURE: [signature] DATE: 10/23/14 TIME: 1570

	CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1.	SSBR-12 (10-15)	1410F89-001B	10/23/14	B	1	8081/8082-S 8151-S 8270-S-TCL
2.	(15-20)	2				
3.	(20-25)	3				
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

10/23/14

JP

CLIENT: GNF

SDG: GNF 007

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/23/14	1715	[illegible]	[illegible]	B	Prep	
10/29/14	1812	[illegible]	[illegible]	All (E) 8182-S	Analysis	
10/30/14	1824	[illegible]	Sean Haughney	All (E) 8270-S	Analysis	
10/31/14	1815	[illegible]	Melanie [illegible]	All (E) 8151-S	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: ~~B05-70D~~ B05-10 BEC 11-20-14 TURN AROUND TIME: 21 DAYS

SDG: GNF007 CASE#: _____ MATRIX: Soil pH CHECK Y or (N)

REMARKS: _____

RECEIVED BY: (J) SIGNATURE: [signature] (J) DATE: 10/23/14 TIME: 1530

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-12 (10-15)	1410F89-001C	10/23/14	A	1	PROI ST HG_7471A_S 6010_S_PKG
2. (15-20)	2				
3. (20-25)	3				
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

(J) 10/23/14

CLIENT: GNF

SDG: GNF007

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10/23/14	1115	[illegible]	Matt [illegible]	A	DIG	
11/6/14	12:00	Matt [illegible]	Marwa [illegible]	DIGS	Analysis.	

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IV. ANALYTICAL FORM I'S:

A. VOLATILES
B. SEMIVOLATILES
C. PESTICIDES/PCBs
D. HERBICIDES
E. METALS

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A. VOLATILES

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: 1410F89-001A

Sample wt/vol: 5 (g/mL) g Lab File ID: F68115.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. 9.9 Date Analyzed: 10/29/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	120	U
75-01-4	Vinyl chloride	8	U
75-35-4	1,1-Dichloroethene	8	U
67-64-1	Acetone	1	JZ
75-09-2	Methylene chloride	8	U
156-60-5	trans-1,2-Dichloroethene	8	U
1634-04-4	Methyl tert-butyl ether	8	U
75-34-3	1,1-Dichloroethane	8	U
156-59-2	cis-1,2-Dichloroethene	9	
78-93-3	2-Butanone	8	U
67-66-3	Chloroform	8	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon tetrachloride	8	U
71-43-2	Benzene	8	U
107-06-2	1,2-Dichloroethane	8	U
79-01-6	Trichloroethene	3	J
108-88-3	Toluene	8	U
127-18-4	Tetrachloroethene	6	J
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
1330-20-7	Xylene (total)	8	U
98-82-8	Isopropylbenzene	8	U
103-65-1	n-Propylbenzene	8	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	8	U
98-06-6	tert-Butylbenzene	8	U
95-63-6	1,2,4-Trimethylbenzene	8	U
135-98-8	sec-Butylbenzene	8	U
99-87-6	4-Isopropyltoluene	8	U
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
104-51-8	n-Butylbenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: 1410F89-002A

Sample wt/vol: 5 (g/mL) g Lab File ID: F68116.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. 14 Date Analyzed: 10/29/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	2	JZ
75-09-2	Methylene chloride	1	JZ
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: 1410F89-003A

Sample wt/vol: 5 (g/mL) g Lab File ID: F68117.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: not dec. 18 Date Analyzed: 10/29/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	100	U
75-01-4	Vinyl chloride	7	U
75-35-4	1,1-Dichloroethene	7	U
67-64-1	Acetone	2	JZ
75-09-2	Methylene chloride	0.8	JZ
156-60-5	trans-1,2-Dichloroethene	7	U
1634-04-4	Methyl tert-butyl ether	7	U
75-34-3	1,1-Dichloroethane	7	U
156-59-2	cis-1,2-Dichloroethene	6	J
78-93-3	2-Butanone	7	U
67-66-3	Chloroform	7	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon tetrachloride	7	U
71-43-2	Benzene	7	U
107-06-2	1,2-Dichloroethane	7	U
79-01-6	Trichloroethene	4	J
108-88-3	Toluene	7	U
127-18-4	Tetrachloroethene	8	
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
1330-20-7	Xylene (total)	7	U
98-82-8	Isopropylbenzene	7	U
103-65-1	n-Propylbenzene	7	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	7	U
98-06-6	tert-Butylbenzene	7	U
95-63-6	1,2,4-Trimethylbenzene	7	U
135-98-8	sec-Butylbenzene	7	U
99-87-6	4-Isopropyltoluene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
104-51-8	n-Butylbenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U

Pace Long Island

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B. SEMIVOLATILES

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: 1410F89-001B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R25389.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: 9.9 Decanted: (Y/N) N Date Extracted: 10/29/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/04/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12(15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: 1410F89-002B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R25390.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 10/29/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/04/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12(20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: 1410F89-003B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R25391.D

Level: (low/med) LOW Date Received: 10/23/14

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 10/29/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/04/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
132-64-9	Dibenzofuran	400	U
86-73-7	Fluorene	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-46935

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: MB-46935

Sample wt/vol: 15 (g/mL) g Lab File ID: R25387.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/04/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
132-64-9	Dibenzofuran	330	U
86-73-7	Fluorene	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	240	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

Pace Long Island

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C. PESTICIDES/PCBS

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: 1410F89-001B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00645.raw

% Moisture: 9.9 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/28/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: 1410F89-001B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00565.raw

% Moisture: 9.9 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/28/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: 1410F89-002B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00646.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/28/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (15-20)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: 1410F89-002B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00566.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/28/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: 1410F89-003B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00647.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/28/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4´-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4´-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4´-DDT	4.0	U
5103-71-9	alpha-Chlordane	2.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (20-25)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: 1410F89-003B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00567.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) PFEX Date Extracted: 10/28/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/30/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	82	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	U
11096-82-5	Aroclor 1260	40	U

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D. HERBICIDES

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: 1410F89-001B

Sample wt/vol: 25.06 (g/mL) g Lab File ID: A00891.raw

% Moisture: 9.9 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/30/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.5	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: 1410F89-002B

Sample wt/vol: 25.7 (g/mL) g Lab File ID: A00892.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/30/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-12 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF007

Matrix: (soil/water) SOIL Lab Sample ID: 1410F89-003B

Sample wt/vol: 25.13 (g/mL) g Lab File ID: A00893.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/23/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/30/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/31/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.1	U

FORM I HERB

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E. METALS

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QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

E - Serial dilution is not within acceptance criteria or the reported value is estimated because of the presence of interference. An explanatory note is included in the SDG narrative.

N - Matrix spike sample recovery not within control limits.

* - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).

U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

P - Analyzed by ICP.
MS - Analyzed by ICP-MS
CV - Analyzed by Manual Cold Vapor techniques.
AV - Analyzed by Automated Cold Vapor techniques.
C - Analyzed by Manual Spectrophotometric Method.
CA- Analyzed by Midi-distillation Spectrophotometric Method.
NR - Analyte not Required.

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-12 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF007

Matrix (soil/water): SOIL Lab Sample ID: 1410F89-001

Level (low/med): LOW Date Received: 10/23/2014

% Solids: 90.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5330			P
7440-36-0	Antimony	0.18	U		P
7440-38-2	Arsenic	1.2			P
7440-39-3	Barium	27.8			P
7440-41-7	Beryllium	0.022	B		P
7440-43-9	Cadmium	0.022	U		P
7440-70-2	Calcium	926			P
7440-47-3	Chromium	12.7			P
7440-48-4	Cobalt	5.4	B	*	P
7440-50-8	Copper	13.6			P
7439-89-6	Iron	6990			P
7439-92-1	Lead	4.9		N*	P
7439-95-4	Magnesium	713		E	P
7439-96-5	Manganese	72.6		*	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	5.6			P
7440-09-7	Potassium	751		E	P
7782-49-2	Selenium	0.27	U	N	P
7440-22-4	Silver	0.033	U	N	P
7440-23-5	Sodium	129	B		P
7440-28-0	Thallium	1.0	U	N	P
7440-62-2	Vanadium	17.5			P
7440-66-6	Zinc	14.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

Date Reported: 11/11/14

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-12 (15-20)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF007

Matrix (soil/water): SOIL Lab Sample ID: 1410F89-002

Level (low/med): LOW Date Received: 10/23/2014

% Solids: 86.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3830			P
7440-36-0	Antimony	0.18	U		P
7440-38-2	Arsenic	0.19	U		P
7440-39-3	Barium	18.7	B		P
7440-41-7	Beryllium	0.068	B		P
7440-43-9	Cadmium	0.023	U		P
7440-70-2	Calcium	536	B		P
7440-47-3	Chromium	11.5			P
7440-48-4	Cobalt	5.8		*	P
7440-50-8	Copper	9.8			P
7439-89-6	Iron	11700			P
7439-92-1	Lead	3.6		N*	P
7439-95-4	Magnesium	755		E	P
7439-96-5	Manganese	247		*	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	8.6			P
7440-09-7	Potassium	613		E	P
7782-49-2	Selenium	0.27	U	N	P
7440-22-4	Silver	0.11	B	N	P
7440-23-5	Sodium	29.1	B		P
7440-28-0	Thallium	1.0	U	N	P
7440-62-2	Vanadium	12.8			P
7440-66-6	Zinc	19.8			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

Date Reported: 11/11/14

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-12 (20-25)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF007

Matrix (soil/water): SOIL Lab Sample ID: 1410F89-003

Level (low/med): LOW Date Received: 10/23/2014

% Solids: 81.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7180			P
7440-36-0	Antimony	0.19	U		P
7440-38-2	Arsenic	0.21	U		P
7440-39-3	Barium	28.5			P
7440-41-7	Beryllium	0.28	B		P
7440-43-9	Cadmium	0.024	U		P
7440-70-2	Calcium	353	B		P
7440-47-3	Chromium	12.5			P
7440-48-4	Cobalt	24.0		*	P
7440-50-8	Copper	15.6			P
7439-89-6	Iron	16900			P
7439-92-1	Lead	9.2		N*	P
7439-95-4	Magnesium	885		E	P
7439-96-5	Manganese	480		*	P
7439-97-6	Mercury	0.020	U		CV
7440-02-0	Nickel	12.6			P
7440-09-7	Potassium	1200		E	P
7782-49-2	Selenium	0.29	U	N	P
7440-22-4	Silver	0.098	B	N	P
7440-23-5	Sodium	25.6	B		P
7440-28-0	Thallium	1.1	U	N	P
7440-62-2	Vanadium	26.3			P
7440-66-6	Zinc	31.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

Date Reported: 11/11/14

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ANALYTICAL DATA PACKAGE
ASP A PACKAGE

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GANNETT & FLEMING
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SDG NO.: GNF002

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- E. METALS

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I. SDG NARRATIVE

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SDG NARRATIVE FOR VOLATILES ANALYSIS
SAMPLE(S) RECEIVED: 10/8/14
SDG#: GNF002

For Sample(s):

SSBR-13 (1-5)	SSBR-14 (5-10)	SSBR-15 (10-15)
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SSBR-13 (20-25)	SSBR-15 (1-5)	SSBR-16 (5-10)
SSBR-14 (1-5)	SSBR-15 (5-10)	SSBR-16 (10-15)

The above water sample(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260C.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/matrix spike duplicate analysis. Lab fortified blanks were analyzed. All percent recoveries were within or above QC limits.

Low levels of acetone and methylene chloride were present in the method blank. These analytes were flagged with a "B" qualifier if present in samples associated with this blank.

In the initial calibration, average response factors were employed for most analytes, and regression function(s) was/were used for the compound(s) with an RSD above 20%. Variability criteria for the continuous calibration check (CCV) are flagged with a "Z" qualifier is %D's are above 20%.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 5, 2014

****
* *
* *
****
Joann M. Slavin
General Manager

Pace Long Island

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SDG NARRATIVE FOR SEMIVOLATILE ANALYSES
SAMPLE(S) RECEIVED: 10/8/14
SDG #: GNF002

For Sample(s):

SSBR-13 (1-5)	SSBR-14 (5-10)	SSBR-15 (10-15)
SSBR-13 (5-10)	SSBR-14 (10-15)	SSBR-15 (15-20)
SSBR-13 (10-15)	SSBR-14 (15-20)	SSBR-15 (20-25)
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SSBR-13 (20-25)	SSBR-15 (1-5)	SSBR-16 (5-10)
SSBR-14 (1-5)	SSBR-15 (5-10)	SSBR-16 (10-15)

The above sample(s) was/were analyzed for a select list of base/neutral extractables by EPA method 8270D.in accordance with the NYSDEC ASP, Rev. 7/2005, Category A.

All Q.C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

Sample SSBR-15 (20-25) was analyzed as matrix spike/ matrix spike duplicate (MS/MSD).The MS/MSD recoveries and RPDs were all within Q. C limits except a high RPD for pentachlorophenol. Lab fortified blanks were analyzed, and recoveries indicate good method efficiency.

In the initial calibrations, average response factors were employed for the compounds with RSDs up to 20%. The variability %D for pentachlorophenol in the CCV also exceeded 20%. This analyte is flagged with a "Z" qualifier indicating that it is regarded estimated.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: October 28, 2014

****
* *
* *
****
Joann M. Slavin
General Manager

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SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 10/8/14
SDG #: GNF002

For Sample(s):

SSBR-13 (1-5)	SSBR-14 (5-10)	SSBR-15 (10-15)
SSBR-13 (5-10)	SSBR-14 (10-15)	SSBR-15 (15-20)
SSBR-13 (10-15)	SSBR-14 (15-20)	SSBR-15 (20-25)
SSBR-13 (15-20)	SSBR-14 (20-25)	SSBR-16 (1-5)
SSBR-13 (20-25)	SSBR-15 (1-5)	SSBR-16 (5-10)
SSBR-14 (1-5)	SSBR-15 (5-10)	SSBR-16 (10-15)

The above soil sample(s) was/were analyzed for pesticides and aroclors by methods 8081A and 8082 in accordance with the NYSDEC ASP, Rev. 7/2005 and reported with the requested deliverables.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

The concentrates were split and analyzed separately for pesticides and PCBs. The aliquots for aroclors analysis were cleaned up with sulfuric acid and TBA for sulfur removal. These aliquots for aroclors analysis are reported with an "A" suffix. Samples SSBR-13 (15-20), SSBR-13 (20-25), SSBR-14 (5-10), SSBR-15 (1-5), SSBR-16 (1-5), and SSBR-16 (5-10) were sulfur cleaned for pesticides.

The DDT breakdown in PEM 21 was greater than 15%. This is associated with sample SSBR-13(10-15). INDAM2O had a low DDT due to high DDT breakdown. The DDT breakdown in PEM24 was greater than 15%. This is associated with SSBR-13(1-5) and SSBR-14(1-5). INDA23 was low for DDT.

The DDT breakdown in PEM34 was greater than 15%. This is associated with samples SSBR-13(15-20), SSBR13(20-25), SSBR-14(5-10), SSBR15(5-10). SSBR15(1-5), SSBR-16(1-5), SSBR-16(5-10). DDT was low in INDAM30.

No matrix spike/ matrix spike duplicate was submitted.

Lab fortified blanks were analyzed, and recoveries indicate good method efficiency.

Positives are reported to the practical detection limits of ½ of the reporting limits.

Pace Long Island

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Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 10/8/14
SDG #: GNF002

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 11, 2014

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Joann M. Slavin
General Manager

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSIS
SAMPLE(S) RECEIVED: 10/8/14
SDG#: GNF002

For Sample(s):

SSBR-13 (1-5)	SSBR-14 (5-10)	SSBR-15 (10-15)
SSBR-13 (5-10)	SSBR-14 (10-15)	SSBR-15 (15-20)
SSBR-13 (10-15)	SSBR-14 (15-20)	SSBR-15 (20-25)
SSBR-13 (15-20)	SSBR-14 (20-25)	SSBR-16 (1-5)
SSBR-13 (20-25)	SSBR-15 (1-5)	SSBR-16 (5-10)
SSBR-14 (1-5)	SSBR-15 (5-10)	SSBR-16 (10-15)

The above soil sample(s) was/were analyzed for a select list of herbicides by method 8151A and reported according to the requirements of the NYS DEC ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

Sample SSBR-14 (10-15) was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPD's were met. A lab fortified blank was analyzed and indicates good method efficiency.

Positives are reported to the practical detection limit (PDL) of half of the reporting limit (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: October 27, 2014

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Joann M. Slavin
General Manager

Pace Long Island

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 10/8/14
SDG #: GNF002

For Sample(s):

SSBR-13 (1-5)	SSBR-14 (5-10)	SSBR-15 (10-15)
SSBR-13 (5-10)	SSBR-14 (10-15)	SSBR-15 (15-20)
SSBR-13 (10-15)	SSBR-14 (15-20)	SSBR-15 (20-25)
SSBR-13 (15-20)	SSBR-14 (20-25)	SSBR-16 (1-5)
SSBR-13 (20-25)	SSBR-15 (1-5)	SSBR-16 (5-10)
SSBR-14 (1-5)	SSBR-15 (5-10)	SSBR-16 (10-15)

The above soil sample(s) was/were received by Pace Analytical Services Inc. for analysis of TAL metals and mercury. The samples were prepared and analyzed by EPA method 6010C with a TS ICAP 6000 instrument and EPA method 7470A with a Leeman HYDRA mercury analyzer.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SSBR-13 (1-5) was selected for batch Q. C. analysis and reporting.

Spike analysis results did not meet acceptance criteria for mercury, selenium and silver. The sample was post spiked, reanalyzed and recoveries were 84.9% for silver and 94.9% for selenium. Data for the three metals were flagged with the qualifier "N" on forms 1 and 5A.

The spike recovery was not within 75-125% for iron and lead. Since the sample concentrations were greater than four times the spike concentrations, post spikes and data qualifiers were not required.

The duplicate analysis RPD was high for arsenic, cadmium, calcium, magnesium, silver, and zinc. Results for these metals are flagged with an * on forms I and VI.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 3, 2014

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Ursula Middel
Quality Analyst

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II. NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: GNF002

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		GCSEMI	ME	MSSEMI	MSVOA	SUBPACE
SSBR-13 (1-5)	1410634-001	X	X	X	X	X
SSBR-13 (5-10)	1410634-002	X	X	X	X	X
SSBR-13 (10-15)	1410634-003	X	X	X	X	X
SSBR-13 (15-20)	1410634-004	X	X	X	X	X
SSBR-13 (20-25)	1410634-005	X	X	X	X	X
SSBR-14 (1-5)	1410634-006	X	X	X	X	X
SSBR-14 (5-10)	1410634-007	X	X	X	X	X
SSBR-14 (10-15)	1410634-008	X	X	X	X	X
SSBR-14 (15-20)	1410634-009	X	X	X	X	X
SSBR-14 (20-25)	1410634-010	X	X	X	X	X
SSBR-15 (1-5)	1410634-011	X	X	X	X	X
SSBR-15 (5-10)	1410634-012	X	X	X	X	X
SSBR-15 (10-15)	1410634-013	X	X	X	X	X
SSBR-15 (15-20)	1410634-014	X	X	X	X	X
SSBR-15 (20-25)	1410634-015	X	X	X	X	X
SSBR-16 (1-5)	1410634-016	X	X	X	X	X
SSBR-16 (5-10)	1410634-017	X	X	X	X	X
SSBR-16 (10-15)	1410634-018	X	X	X	X	X

CLP, Non-CLP (Please indicate year of protocol)
TCL/TAL, HSL, Priority Pollutant,

ASP A. 2005
BC 11-11-14

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: GNF002

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410634-001A	SSBR-13 (1-5)	Soil	ASPB8260	08-Oct-14	08-Oct-14		10-Oct-14		1	LOW	
1410634-002A	SSBR-13 (5-10)	Soil	ASPB8260	08-Oct-14	08-Oct-14		10-Oct-14		1	LOW	
1410634-003A	SSBR-13 (10-15)	Soil	ASPB8260	08-Oct-14	08-Oct-14		10-Oct-14		1	LOW	
1410634-004A	SSBR-13 (15-20)	Soil	ASPB8260	08-Oct-14	08-Oct-14		10-Oct-14		1	LOW	
1410634-005A	SSBR-13 (20-25)	Soil	ASPB8260	08-Oct-14	08-Oct-14		10-Oct-14		1	LOW	
1410634-006A	SSBR-14 (1-5)	Soil	ASPB8260	07-Oct-14	08-Oct-14		10-Oct-14		1	LOW	
1410634-007A	SSBR-14 (5-10)	Soil	ASPB8260	07-Oct-14	08-Oct-14		10-Oct-14		1	LOW	
1410634-008A	SSBR-14 (10-15)	Soil	ASPB8260	07-Oct-14	08-Oct-14		10-Oct-14		1	LOW	
1410634-009A	SSBR-14 (15-20)	Soil	ASPB8260	07-Oct-14	08-Oct-14		10-Oct-14		1	LOW	
1410634-010A	SSBR-14 (20-25)	Soil	ASPB8260	07-Oct-14	08-Oct-14		10-Oct-14		1	LOW	
1410634-011A	SSBR-15 (1-5)	Soil	ASPB8260	07-Oct-14	08-Oct-14		10-Oct-14		1	LOW	
1410634-012A	SSBR-15 (5-10)	Soil	ASPB8260	07-Oct-14	08-Oct-14		10-Oct-14		1	LOW	
1410634-013A	SSBR-15 (10-15)	Soil	ASPB8260	07-Oct-14	08-Oct-14		10-Oct-14		1	LOW	
1410634-014A	SSBR-15 (15-20)	Soil	ASPB8260	07-Oct-14	08-Oct-14		11-Oct-14		1	LOW	
1410634-015A	SSBR-15 (20-25)	Soil	ASPB8260	07-Oct-14	08-Oct-14		11-Oct-14		1	LOW	
1410634-016A	SSBR-16 (1-5)	Soil	ASPB8260	07-Oct-14	08-Oct-14		11-Oct-14		1	LOW	
1410634-017A	SSBR-16 (5-10)	Soil	ASPB8260	07-Oct-14	08-Oct-14		11-Oct-14		1	LOW	
1410634-018A	SSBR-16 (10-15)	Soil	ASPB8260	07-Oct-14	08-Oct-14		11-Oct-14		1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

SDG: GNF002

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410634-001B	SSBR-13(1-5)	Soil	8270	08-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-001BRE	SSBR-13(1-5)RE	Soil	8270	08-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-002B	SSBR-13(5-10)	Soil	8270	08-Oct-14	08-Oct-14	10-Oct-14	13-Oct-14	PFEX	1	LOW	
1410634-003B	SSBR-13(10-15)	Soil	8270	08-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-004B	SSBR-13(15-20)	Soil	8270	08-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-005B	SSBR-13(20-25)	Soil	8270	08-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-006B	SSBR-14(1-5)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-006BRE	SSBR-14(1-5)RE	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-007B	SSBR-14(5-10)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-008B	SSBR-14(10-15)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	13-Oct-14	PFEX	1	LOW	
1410634-009B	SSBR-14(15-20)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	13-Oct-14	PFEX	1	LOW	
1410634-010B	SSBR-14(20-25)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	13-Oct-14	PFEX	1	LOW	
1410634-011B	SSBR-15(1-5)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-011BRE	SSBR-15(1-5)E	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-012B	SSBR-15(5-10)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	13-Oct-14	PFEX	1	LOW	
1410634-013B	SSBR-15(10-15)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	13-Oct-14	PFEX	1	LOW	
1410634-014B	SSBR-15(15-20)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	13-Oct-14	PFEX	1	LOW	
1410634-015B	SSBR-15(20-25)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	13-Oct-14	PFEX	1	LOW	
1410634-015BMS	SSBR-15(20-25)MS	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	13-Oct-14	PFEX	1	LOW	
1410634-015BMSD	SSBR-15(20-25)MSD	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	13-Oct-14	PFEX	1	LOW	
1410634-016B	SSBR-16(1-5)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-016BRE	SSBR-16(1-5)RE	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-017B	SSBR-16(5-10)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-017BRE	SSBR-16(5-10)RE	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-018B	SSBR-16(10-15)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	13-Oct-14	PFEX	1	LOW	
1410634-018BRE	SSBR-16(10-15)RE	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF002

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410634-001b	SSBR-13 (1-5)A	Soil	SW8081/8082	08-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-001b	SSBR-13 (1-5)	Soil	SW8081/8082	08-Oct-14	08-Oct-14	09-Oct-14	15-Oct-14	PFEX	1	LOW	
1410634-002b	SSBR-13 (5-10)A	Soil	SW8081/8082	08-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-002b	SSBR-13 (5-10)	Soil	SW8081/8082	08-Oct-14	08-Oct-14	09-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-003b	SSBR-13 (10-15)	Soil	SW8081/8082	08-Oct-14	08-Oct-14	09-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-003b	SSBR-13 (10-15)A	Soil	SW8081/8082	08-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-004b	SSBR-13 (15-20)A	Soil	SW8081/8082	08-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-004b	SSBR-13 (15-20)S	Soil	SW8081/8082	08-Oct-14	08-Oct-14	09-Oct-14	17-Oct-14	PFEX	1	LOW	SLFR
1410634-005b	SSBR-13 (20-25)S	Soil	SW8081/8082	08-Oct-14	08-Oct-14	09-Oct-14	17-Oct-14	PFEX	1	LOW	SLFR
1410634-005b	SSBR-13 (20-25)A	Soil	SW8081/8082	08-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-006b	SSBR-14 (1-5)	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	15-Oct-14	PFEX	1	LOW	
1410634-006b	SSBR-14 (1-5)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-007b	SSBR-14 (5-10)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-007b	SSBR-14 (5-10)S	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	17-Oct-14	PFEX	1	LOW	SLFR
1410634-008b	SSBR-14 (10-15)	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-008b	SSBR-14 (10-15)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-009b	SSBR-14 (15-20)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-009b	SSBR-14 (15-20)	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-010b	SSBR-14 (20-25)	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-010b	SSBR-14 (20-25)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-011b	SSBR-15 (1-5)S	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	17-Oct-14	PFEX	1	LOW	SLFR
1410634-011b	SSBR-15 (1-5)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-012b	SSBR-15 (5-10)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-012b	SSBR-15 (5-10)S	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	17-Oct-14	PFEX	1	LOW	SLFR
1410634-013b	SSBR-15 (10-15)	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-013b	SSBR-15 (10-15)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-014b	SSBR-15 (15-20)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-014b	SSBR-15 (15-20)	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	14-Oct-14	PFEX	1	LOW	

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410634-015b	SSBR-15 (20-25)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-015b	SSBR-15 (20-25)	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-015BMS	SSBR-15 (20-25)MS	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-015BMSD	SSBR-15 (20-25)MSD	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	14-Oct-14	PFEX	1	LOW	
1410634-016b	SSBR-16 (1-5)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-016b	SSBR-16 (1-5)S	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	17-Oct-14	PFEX	1	LOW	SLFR
1410634-017b	SSBR-16 (5-10)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-017b	SSBR-16 (5-10)S	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	17-Oct-14	PFEX	1	LOW	SLFR
1410634-018b	SSBR-16 (10-15)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410634-018b	SSBR-16 (10-15)	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	14-Oct-14	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF002

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410634-001B	SSBR-13 (1-5)	Soil	SW8151	08-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-002B	SSBR-13 (5-10)	Soil	SW8151	08-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-003B	SSBR-13 (10-15)	Soil	SW8151	08-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-004B	SSBR-13 (15-20)	Soil	SW8151	08-Oct-14	08-Oct-14	14-Oct-14	15-Oct-14	Shake/SEPF	1	LOW	
1410634-005B	SSBR-13 (20-25)	Soil	SW8151	08-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-006B	SSBR-14 (1-5)	Soil	SW8151	07-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-007B	SSBR-14 (5-10)	Soil	SW8151	07-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-008B	SSBR-14 (10-15)	Soil	SW8151	07-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-008Bms	SSBR-14 (10-15)MS	Soil	SW8151	07-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-008Bmsd	SSBR-14 (10-15)MSD	Soil	SW8151	07-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-009B	SSBR-14 (15-20)	Soil	SW8151	07-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-010B	SSBR-14 (20-25)	Soil	SW8151	07-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-011B	SSBR-15 (1-5)	Soil	SW8151	07-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-012B	SSBR-15 (5-10)	Soil	SW8151	07-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-013B	SSBR-15 (10-15)	Soil	SW8151	07-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-014B	SSBR-15 (15-20)	Soil	SW8151	07-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-015B	SSBR-15 (20-25)	Soil	SW8151	07-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-016B	SSBR-16 (1-5)	Soil	SW8151	07-Oct-14	08-Oct-14	09-Oct-14	11-Oct-14	Shake/SEPF	1	LOW	
1410634-017B	SSBR-16 (5-10)	Soil	SW8151	07-Oct-14	08-Oct-14	14-Oct-14	15-Oct-14	Shake/SEPF	1	LOW	
1410634-018B	SSBR-16 (10-15)	Soil	SW8151	07-Oct-14	08-Oct-14	14-Oct-14	15-Oct-14	Shake/SEPF	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG : GNF002

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	DateRecd at Lab	Date Analyzed
1410634-001	SSBR-13 (1-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-001DUP	SSBR-13 (1-5)D	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-001MS	SSBR-13 (1-5)S	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-002	SSBR-13 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-003	SSBR-13 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-004	SSBR-13 (15-20)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-005	SSBR-13 (20-25)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-006	SSBR-14 (1-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-007	SSBR-14 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-008	SSBR-14 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-009	SSBR-14 (15-20)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-010	SSBR-14 (20-25)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-011	SSBR-15 (1-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-012	SSBR-15 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-013	SSBR-15 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-014	SSBR-15 (15-20)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-015	SSBR-15 (20-25)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-016	SSBR-16 (1-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-017	SSBR-16 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410634-018	SSBR-16 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

III. CHAIN OF CUSTODY FORMS

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04922

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF002

PROJECT NAME/NUMBER
Garvies Point / Glen Cove

SAMPLERS: (Signature)/Client
Gannett Fleming
100 Crossways Park Drive West
Woodbury, NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES:

Project Contact: Vincent Frisina vfrisina@gfnet.com

Phone Number: 516-364-4140 ext. 1323

PIS/Quote #

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/Pet/PCM/Herb	Metals	Radiological	LAB I.D. NO.	REMARKS:
				Sample Container Description	Terra Core VOAs	4oz. Jar	2oz. Jar	8oz Jar		
10/7/14	11:05	SL	SSBR-15 (20-25)	7	4	1	1	1	1410634-015	
10/7/14	11:55	SL	SSBR-14 (1-5)	7	4	1	1	1	-006	
10/7/14	12:10	SL	SSBR-14 (5-10)	7	4	1	1	1	-007	
10/7/14	12:21	SL	SSBR-14 (10-15)	7	4	1	1	1	-008	
10/7/14	12:32	SL	SSBR-14 (15-20)	7	4	1	1	1	-009	
10/7/14	12:41	SL	SSBR-14 (20-25)	7	4	1	1	1	-010	
10/8/14	9:10	SL	SSBR-13 (1-5)	7	4	1	1	1	-001	
10/8/14	9:23	SL	SSBR-13 (5-10)	7	4	1	1	1	-002	
10/8/14	9:35	SL	SSBR-13 (10-15)	7	4	1	1	1	-003	
10/8/14	9:47	SL	SSBR-13 (15-20)	7	4	1	1	1	-004	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/8/14	14:20	George A. Cappadona	10-8-14	14:20
George A. Cappadona	10-8-14	15:40	[signature]	10-8-14	15:40

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ✓ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

5.2°C

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF002 S18

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04923

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF002

PROJECT NAME/NUMBER
Garvies Point/Glen Cove

SAMPLERS: (Signature)/Client
Gannett Fleming
100 Crossways Park Drive West
Woodbury, NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES:

Project Contact: Vincient Frisina vfrisina@gfnet.com
Phone Number: 516-364-4140 ext. 1323
PIS/Quote #

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description: Terra Core VOAs	4oz. JAR	2oz. JAR	8oz. JAR							LAB I.D. NO.	REMARKS:
					ANALYSIS REQUESTED: VOCs	SVOCs/PCBs/Herb.	Metals	Radiologicals								
10/8/14	9:59	SL	SSBR-13 (20-25)	7	4	1	1	1							1410634-005	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/8/14	14:26	George A. Cappadona	10-8-14	14:20
George A. Cappadona	10-8-14	15:40	[signature]	10-8-14	15:40

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ✓ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

3.5°C

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF002 S19

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04921

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF002/003

PROJECT NAME/NUMBER
Garvies Point / Glen Cove

SAMPLERS: (Signature)/Client
Gannett Fleming
100 Crossways Park Drive West
Woodbury, NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES:

Project Contact: Vincent Frisina vfrisina@gfnet.com
Phone Number: 516-364-4140 ext. 1323
PIS/Quote #

Sample Container Description: Terra Core VOAs; 4 oz. Jar; 2 oz. Jar; 8 oz. Jar

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/Pest/PCB/Herb.	metals	Radiological	LAB I.D. NO.	REMARKS:
10/7/14	8:10	SL	SSBR-17 (1-5)	7	4	1	1	1	~~1410634-019~~ MCW T10814	-1410658-001
10/7/14	8:20	SL	SSBR-17 (5-10)	7	4	1	1	1	~~-020~~	-002 GNF
10/7/14	8:33	SL	SSBR-17 (10-15)	7	4	1	1	1	~~-021~~	-003 003
10/7/14	9:05	SL	SSBR-16 (1-5)	7	4	1	1	1	1410634-016	
10/7/14	9:15	SL	SSBR-16 (5-10)	7	4	1	1	1	-017	
10/7/14	9:27	SL	SSBR-16 (10-15)	7	4	1	1	1	-018	
10/7/14	10:11	SL	SSBR-15 (1-5)	7	4	1	1	1	-011	GNF002
10/7/14	10:31	SL	SSBR-15 (5-10)	7	4	1	1	1	-012	
10/7/14	10:43	SL	SSBR-15 (10-15)	7	4	1	1	1	-013	
10/7/14	10:52	SL	SSBR-15 (15-20)	7	4	1	1	1	-014	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/8/14	14:20	George A. Cappadona	10-8-14	14:20
George A. Cappadona	10-8-14	15:40	[signature]	10-8-14	15:40

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ✓ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

3.5°C

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF002 S20

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

GNF002

Sample Receipt Checklist

Client Name **GNF**

Date and Time Received: **10/8/2014 3:40:00 PM**

Work Order Number: **1410634** RcptNo: **1**

Received by: **MelissaWatson**

Completed by: M. Watson

Reviewed by: Jennifer Ca

Completed Date: 10/10/2014 10:54:48 AM

Reviewed Date: 10/13/2014 10:32:19 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	3.5 To	5.2 °
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF002 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

GNF002 S21

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: ~~B05-10D~~ B05-10 DRL 10-31-14 TURN AROUND TIME: 21 DAYS

SDG: GNF002 CASE#: _____ MATRIX: Soil pH CHECK Y or (N)

REMARKS: _____

RECEIVED BY: MCW SIGNATURE: M. Wall DATE: 10-8-14 TIME: 1540

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-13 (1-5)	1410634 001A	10-8-14	D, AA	3, 1	8260_S_SUFF(SEL)
2. (5-10)	002				
3. (10-15)	003				
4. (15-20)	004				
5. (20-25)	005				
6. SSBR-14 (1-5)	006	10-7-14			
7. (5-10) MCW 10-10-14	007				
8. (10-15)	008				
9. (15-20)	009				
10. (20-25)	010				
11. SSBR-15 (1-5)	011				
12. (5-10)	012				
13. (10-15)	013				
14. (15-20)	014				
15. (20-25)	015				
16. SSBR-16 (1-5)	016				
17. (5-10)	017				
18. (10-15)	018				
19.	MCW 10-10-14				
20.					

CLIENT: GNF

SDG: GNF002

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10-8-14	2:00	[illegible]	[illegible]	DAA	ANALYSIS	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-70D TURN AROUND TIME: 21 DAYS

SDG: GNF002 CASE#: _____ MATRIX: Soil pH CHECK Y or N

REMARKS: _____

RECEIVED BY: MCN SIGNATURE: [signature] DATE: 10-8-14 TIME: 1540

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-13 (1-5)	1410634 001B	10-8-14	B	1	~~8082~~ 8081/8082_S(SEL), 8151_S(SEL), 8270_S-TCL(SEL)
2. (5-10)	002				
3. (10-15)	003				
4. (15-20)	004				
5. (20-25)	005				
6. SSBR-14 (1-5)	006	10-7-14			
7. (5-10)	007				
8. (10-15)	008				
9. (15-20)	009				
10. (20-25)	010				
11. SSBR-15 (1-5)	011				
12. (5-10)	012				
13. (10-15)	013				
14. (15-20)	014				
15. (20-25)	015				
16. SSBR-16 (1-5)	016				
17. (5-10)	017				
18. (10-15)	018				
19.					
20.	MCN	10-10-14			

CLIENT: GNF

SDG: GNF002

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10-8-14	2100	[illegible]	James Bird	B	PREP	
10/9/14	11:00	James Bird	[illegible]	B	Prep	
10/9/14	11:30	[illegible]	James Bird	B	Prep/storage	
10/10/14	18:50	[illegible]	[illegible]	E 1-16 8151-S	Analysis	
10/10/14	19:30	James Bird	[illegible]	A11 E 8152-S	Analysis	
10/13/14	14:35	James Bird	Sam Keughney	A11 E 8270-S	Analysis	
10/15/14	10:28pm	[illegible]	[illegible]	E 17+18 8151-S	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: B05-ROD JSA 10/7/14 TURN AROUND TIME: 21 DAYS

SDG: GNF002 CASE#: MATRIX: Soil pH CHECK Y or (N)

REMARKS:

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 10-8-14 TIME: 15:40

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-13 (1-5)	1410634 001C	10-8-14	A	1	TCLMPKG-S, PMOIST
2. (5-10)	002				
3. (10-15)	003				
4. (15-20)	004				
5. (20-25)	005				
6. SSBR-14 (1-5)	006	10-7-14			
7. (5-10)	007				
8. (10-15)	008				
9. (15-20)	009				
10. (20-25)	010				
11. SSBR-15 (1-5)	011				
12. (5-10)	012				
13. (10-15)	013				
14. (15-20)	014				
15. (20-25)	015				
16. SSBR-16 (1-5)	016				
17. (5-10)	017				
18. (10-15)	018				
19.	MCW 10-10-14				
20					

CLIENT: GNF

SDG: GNF002

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10-8-14	2100	M. Watt	Matt [illegible]	A	DIG	
10/20/14	12:30	Matt [illegible]	Hamaco [illegible]	DIGS	Analysis	

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

IV. ANALYTICAL FORM I'S:

A. VOLATILES
B. SEMIVOLATILES
C. PESTICIDES/PCBs
D. HERBICIDES
E. METALS

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

A. VOLATILES

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel: 631.694.3040
fax: 631.420.8436

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(300\ \mathrm{U})}{\mathrm{D}} \text{ x df where } \mathrm{D} = \frac{100\%\,moisture}{100}$$

and df - dilution factor

$$\text{For example, at 24\% moisture, } \mathrm{D} = \frac{100-24}{100} = 0.76$$

$$\frac{(300\ \mathrm{U})}{.76} \text{ x 10 - 4300 U rounded to the appropriate number of significant figures}$$

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 µg/L and a concentration of 3 µg/L is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported of Form I with a "P".

C - This flag applies to pesticide results when the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory defined flag, discussed below.

Pace Long Island

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Melville, NY 11747

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fax: 631.420.8436

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identified compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration ranges in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g. a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceed 200 µg/L or the peak representing the two coeluting isomers on that GC column exceed 400 µg/L. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceed 400 µg/L.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - Other specific flags may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, used the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The laboratory defined flags limited to the letters "X", "Y" and "Z".

Z - This flag identifies compounds that have positive results and a %D greater than 20% in the CCV on the day of analysis. This flag is also used to identify compounds that have positive results and a %RSD greater than 20% in the initial calibration and for which no alternative calibration curves (e.g. linear regression, quadratic) passed acceptance criteria. These results are regarded as estimated.

The combination of flags "BU' or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-001A

Sample wt/vol: 5.47 (g/mL) g Lab File ID: F67837.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 7.3 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	44	B
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	14	
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	11	
1330-20-7	Xylene (total)	3	J
98-82-8	Isopropylbenzene	9	J
103-65-1	n-Propylbenzene	11	
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	14	
98-06-6	tert-Butylbenzene	2	J
95-63-6	1,2,4-Trimethylbenzene	12	
135-98-8	sec-Butylbenzene	6	J
99-87-6	4-Isopropyltoluene	3	J
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	4	J
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-002A

Sample wt/vol: 6.36 (g/mL) g Lab File ID: F67838.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 16 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	3	BJ
75-09-2	Methylene chloride	9	U
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-003A

Sample wt/vol: 6.14 (g/mL) g Lab File ID: F67839.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 16 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	2	BJ
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	1	J
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-004A

Sample wt/vol: 6.16 (g/mL) g Lab File ID: F67840.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 16 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	4	BJ
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-005A

Sample wt/vol: 6.89 (g/mL) g Lab File ID: F67841.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 18 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	4	BJ
75-09-2	Methylene chloride	9	U
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-006A

Sample wt/vol: 5.80 (g/mL) g Lab File ID: F67850.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 9.5 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	120	B
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	45	
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-007A

Sample wt/vol: 7.0 (g/mL) g Lab File ID: F67852.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 15 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	120	U
75-01-4	Vinyl chloride	8	U
75-35-4	1,1-Dichloroethene	8	U
67-64-1	Acetone	25	B
75-09-2	Methylene chloride	8	U
156-60-5	trans-1,2-Dichloroethene	8	U
1634-04-4	Methyl tert-butyl ether	8	U
75-34-3	1,1-Dichloroethane	8	U
156-59-2	cis-1,2-Dichloroethene	8	U
78-93-3	2-Butanone	6	J
67-66-3	Chloroform	8	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon tetrachloride	8	U
71-43-2	Benzene	8	U
107-06-2	1,2-Dichloroethane	8	U
79-01-6	Trichloroethene	8	U
108-88-3	Toluene	8	U
127-18-4	Tetrachloroethene	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
1330-20-7	Xylene (total)	8	U
98-82-8	Isopropylbenzene	8	U
103-65-1	n-Propylbenzene	8	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	8	U
98-06-6	tert-Butylbenzene	8	U
95-63-6	1,2,4-Trimethylbenzene	0.8	J
135-98-8	sec-Butylbenzene	8	U
99-87-6	4-Isopropyltoluene	8	U
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
104-51-8	n-Butylbenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-008A

Sample wt/vol: 6.63 (g/mL) g Lab File ID: F67853.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 20 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	6	BJ
75-09-2	Methylene chloride	9	U
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	3	J
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	1	J
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-009A

Sample wt/vol: 6.64 (g/mL) g Lab File ID: F67854.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 22 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	5	BJ
75-09-2	Methylene chloride	1	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	1	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-010A

Sample wt/vol: 6.10 (g/mL) g Lab File ID: F67855.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 21 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	4	BJ
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	5	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	2	J
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-011A

Sample wt/vol: 5.10 (g/mL) g Lab File ID: F67856.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 8.3 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	31	B
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	1	J
78-93-3	2-Butanone	8	J
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-012A

Sample wt/vol: 9.54 (g/mL) g Lab File ID: F67857.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 17 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	94	U
75-01-4	Vinyl chloride	6	U
75-35-4	1,1-Dichloroethene	6	U
67-64-1	Acetone	11	B
75-09-2	Methylene chloride	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
1634-04-4	Methyl tert-butyl ether	6	U
75-34-3	1,1-Dichloroethane	6	U
156-59-2	cis-1,2-Dichloroethene	2	J
78-93-3	2-Butanone	0.7	J
67-66-3	Chloroform	6	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon tetrachloride	6	U
71-43-2	Benzene	6	U
107-06-2	1,2-Dichloroethane	6	U
79-01-6	Trichloroethene	1	J
108-88-3	Toluene	6	U
127-18-4	Tetrachloroethene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
1330-20-7	Xylene (total)	6	U
98-82-8	Isopropylbenzene	6	U
103-65-1	n-Propylbenzene	6	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	6	U
98-06-6	tert-Butylbenzene	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
99-87-6	4-Isopropyltoluene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
104-51-8	n-Butylbenzene	6	U
95-50-1	1,2-Dichlorobenzene	6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-013A

Sample wt/vol: 7.13 (g/mL) g Lab File ID: F67858.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 23 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	5	J
75-35-4	1,1-Dichloroethene	1	J
67-64-1	Acetone	9	BJ
75-09-2	Methylene chloride	9	U
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	3	J
156-59-2	cis-1,2-Dichloroethene	30	
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	5	J
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-014A

Sample wt/vol: 12.18 (g/mL) g Lab File ID: F67859.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 17 Date Analyzed: 10/11/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	74	U
75-01-4	Vinyl chloride	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	B
75-09-2	Methylene chloride	0.5	J
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
108-88-3	Toluene	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	Xylene (total)	5	U
98-82-8	Isopropylbenzene	5	U
103-65-1	n-Propylbenzene	5	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-015A

Sample wt/vol: 6.15 (g/mL) g Lab File ID: F67860.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 18 Date Analyzed: 10/11/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	3	J
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	6	BJ
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	2	J
156-59-2	cis-1,2-Dichloroethene	17	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	2	J
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	9	J
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-016A

Sample wt/vol: 5.22 (g/mL) g Lab File ID: F67861.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 10 Date Analyzed: 10/11/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	11	B
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	4	J
67-66-3	Chloroform	1	J
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-017A

Sample wt/vol: 8.11 (g/mL) g Lab File ID: F67862.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 9.8 Date Analyzed: 10/11/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	100	U
75-01-4	Vinyl chloride	7	U
75-35-4	1,1-Dichloroethene	7	U
67-64-1	Acetone	100	B
75-09-2	Methylene chloride	7	U
156-60-5	trans-1,2-Dichloroethene	7	U
1634-04-4	Methyl tert-butyl ether	7	U
75-34-3	1,1-Dichloroethane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
78-93-3	2-Butanone	36	
67-66-3	Chloroform	7	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon tetrachloride	7	U
71-43-2	Benzene	7	U
107-06-2	1,2-Dichloroethane	7	U
79-01-6	Trichloroethene	7	U
108-88-3	Toluene	7	U
127-18-4	Tetrachloroethene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
1330-20-7	Xylene (total)	7	U
98-82-8	Isopropylbenzene	7	U
103-65-1	n-Propylbenzene	7	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	7	U
98-06-6	tert-Butylbenzene	7	U
95-63-6	1,2,4-Trimethylbenzene	7	U
135-98-8	sec-Butylbenzene	7	U
99-87-6	4-Isopropyltoluene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
104-51-8	n-Butylbenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-018A

Sample wt/vol: 6.79 (g/mL) g Lab File ID: F67863.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 11 Date Analyzed: 10/11/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	120	U
75-01-4	Vinyl chloride	8	U
75-35-4	1,1-Dichloroethene	8	U
67-64-1	Acetone	13	B
75-09-2	Methylene chloride	1	J
156-60-5	trans-1,2-Dichloroethene	8	U
1634-04-4	Methyl tert-butyl ether	8	U
75-34-3	1,1-Dichloroethane	8	U
156-59-2	cis-1,2-Dichloroethene	8	U
78-93-3	2-Butanone	1	J
67-66-3	Chloroform	0.8	J
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon tetrachloride	8	U
71-43-2	Benzene	8	U
107-06-2	1,2-Dichloroethane	8	U
79-01-6	Trichloroethene	8	U
108-88-3	Toluene	8	U
127-18-4	Tetrachloroethene	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
1330-20-7	Xylene (total)	8	U
98-82-8	Isopropylbenzene	8	U
103-65-1	n-Propylbenzene	8	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	8	U
98-06-6	tert-Butylbenzene	8	U
95-63-6	1,2,4-Trimethylbenzene	8	U
135-98-8	sec-Butylbenzene	8	U
99-87-6	4-Isopropyltoluene	8	U
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
104-51-8	n-Butylbenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U

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B. SEMIVOLATILES

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13(1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-001B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R24909.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 7.3 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	100	J
129-00-0	Pyrene	300	J
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	100	J
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13(1-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-001BRE

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R24924.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 7.3 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	82	J
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	290	J
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	93	J
205-99-2	Benzo(b)fluoranthene	85	J
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-002B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R24890.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 16 Decanted:(Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/13/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-003B

Sample wt/vol: 15.03 (g/mL) g Lab File ID: R24901.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13(15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-004B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: R24902.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13(20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-005B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R24903.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
132-64-9	Dibenzofuran	400	U
86-73-7	Fluorene	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14(1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-006B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R24906.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 9.5 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	140	J
129-00-0	Pyrene	340	J
56-55-3	Benzo(a)anthracene	79	J
218-01-9	Chrysene	130	J
205-99-2	Benzo(b)fluoranthene	82	J
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	77	J
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14(1-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-006BRE

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R24925.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 9.5 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	420	
56-55-3	Benzo(a)anthracene	79	J
218-01-9	Chrysene	110	J
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	76	J
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-007B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R24904.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 15 Decanted:(Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-008B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R24891.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/13/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
132-64-9	Dibenzofuran	410	U
86-73-7	Fluorene	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	300	U
191-24-2	Benzo(g,h,i)perylene	410	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14(15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-009B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R24892.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/13/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
132-64-9	Dibenzofuran	420	U
86-73-7	Fluorene	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	310	U
191-24-2	Benzo(g,h,i)perylene	420	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14(20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-010B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R24900.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 21 Decanted:(Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/13/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
132-64-9	Dibenzofuran	420	U
86-73-7	Fluorene	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	300	U
191-24-2	Benzo(g,h,i)perylene	420	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15(1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-011B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R24907.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 8.3 Decanted:(Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	74	J
129-00-0	Pyrene	110	J
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15(1-5)E

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-011BRE

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R24926.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 8.3 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	150	J
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-012B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: R24898.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/13/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
132-64-9	Dibenzofuran	400	U
86-73-7	Fluorene	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-013B

Sample wt/vol: 15.08 (g/mL) g Lab File ID: R24899.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/13/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	430	U
95-48-7	2-Methylphenol	430	U
106-44-5	4-Methylphenol	430	U
91-20-3	Naphthalene	430	U
208-96-8	Acenaphthylene	430	U
83-32-9	Acenaphthene	430	U
132-64-9	Dibenzofuran	430	U
86-73-7	Fluorene	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenzo(a,h)anthracene	310	U
191-24-2	Benzo(g,h,i)perylene	430	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15(15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-014B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R24893.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/13/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
132-64-9	Dibenzofuran	400	U
86-73-7	Fluorene	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15(20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-015B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R24894.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/13/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
132-64-9	Dibenzofuran	400	U
86-73-7	Fluorene	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16(1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-016B

Sample wt/vol: 15.03 (g/mL) g Lab File ID: R24908.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 10 Decanted:(Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	97	J
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	76	J
129-00-0	Pyrene	230	J
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	85	J
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16(1-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-016BRE

Sample wt/vol: 15.03 (g/mL) g Lab File ID: R24927.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	92	J
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	280	J
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	91	J
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-017B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R24905.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 9.8 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	84	J
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16(5-10)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-017BRE

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R24928.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 9.8 Decanted:(Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	94	J
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-018B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R24897.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 11 Decanted:(Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/13/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16(10-15)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-018BRE

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R24929.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-46677

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: MB-46677

Sample wt/vol: 15 (g/mL) g Lab File ID: R24888.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/13/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
132-64-9	Dibenzofuran	330	U
86-73-7	Fluorene	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	240	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

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C. PESTICIDES/PCBS

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-001b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00168.raw

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/15/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (1-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-001b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00192.raw

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	72	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	25	PJ
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	55	
11096-82-5	Aroclor 1260	19	J

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-002b

Sample wt/vol: 15 (g/mL) g Lab File ID: a00089.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-002b

Sample wt/vol: 15 (g/mL) g Lab File ID: a00171.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-003b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00121.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-003b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00170.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (15-20)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-004b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00217.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/17/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (15-20)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-004b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00173.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (20-25)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-005b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00218.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/17/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4´-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4´-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4´-DDT	4.0	U
5103-71-9	alpha-Chlordane	2.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (20-25)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-005b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00172.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	82	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	U
11096-82-5	Aroclor 1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-006b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00167.raw

% Moisture: 9.5 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/15/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (1-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-006b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00194.raw

% Moisture: 9.5 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (5-10)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-007b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00219.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/17/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-007b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00189.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-008b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00090.raw

% Moisture: 20 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4´-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4´-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4´-DDT	4.1	U
5103-71-9	alpha-Chlordane	2.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-008b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00174.raw

% Moisture: 20 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	41	U
11104-28-2	Aroclor 1221	83	U
11141-16-5	Aroclor 1232	41	U
53469-21-9	Aroclor 1242	41	U
12672-29-6	Aroclor 1248	41	U
11097-69-1	Aroclor 1254	41	U
11096-82-5	Aroclor 1260	41	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-009b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00091.raw

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4´-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4´-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4´-DDT	4.2	U
5103-71-9	alpha-Chlordane	2.2	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (15-20)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-009b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00175.raw

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	42	U
11104-28-2	Aroclor 1221	86	U
11141-16-5	Aroclor 1232	42	U
53469-21-9	Aroclor 1242	42	U
12672-29-6	Aroclor 1248	42	U
11097-69-1	Aroclor 1254	42	U
11096-82-5	Aroclor 1260	42	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-010b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00092.raw

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4´-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4´-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4´-DDT	4.2	U
5103-71-9	alpha-Chlordane	2.2	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (20-25)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-010b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00176.raw

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	42	U
11104-28-2	Aroclor 1221	85	U
11141-16-5	Aroclor 1232	42	U
53469-21-9	Aroclor 1242	42	U
12672-29-6	Aroclor 1248	42	U
11097-69-1	Aroclor 1254	42	U
11096-82-5	Aroclor 1260	42	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (1-5)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-011b

Sample wt/vol: 15.1 (g/mL) g Lab File ID: a00222.raw

% Moisture: 8.3 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/17/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (1-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-011b

Sample wt/vol: 15.1 (g/mL) g Lab File ID: a00190.raw

% Moisture: 8.3 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	36	U
11104-28-2	Aroclor 1221	73	U
11141-16-5	Aroclor 1232	36	U
53469-21-9	Aroclor 1242	36	U
12672-29-6	Aroclor 1248	36	U
11097-69-1	Aroclor 1254	19	PJ
11096-82-5	Aroclor 1260	36	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (5-10)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-012b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00220.raw

% Moisture: 17 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/17/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4´-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4´-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4´-DDT	4.0	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-012b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00177.raw

% Moisture: 17 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	81	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	U
11096-82-5	Aroclor 1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-013b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00093.raw

% Moisture: 23 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4´-DDE	4.3	U
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4´-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4´-DDT	4.3	U
5103-71-9	alpha-Chlordane	2.2	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-013b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00178.raw

% Moisture: 23 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	43	U
11104-28-2	Aroclor 1221	87	U
11141-16-5	Aroclor 1232	43	U
53469-21-9	Aroclor 1242	43	U
12672-29-6	Aroclor 1248	43	U
11097-69-1	Aroclor 1254	43	U
11096-82-5	Aroclor 1260	43	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-014b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00094.raw

% Moisture: 17 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4´-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4´-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4´-DDT	4.0	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (15-20)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-014b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00179.raw

% Moisture: 17 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	81	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	U
11096-82-5	Aroclor 1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-015b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00095.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4´-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4´-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4´-DDT	4.0	U
5103-71-9	alpha-Chlordane	2.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (20-25)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-015b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00180.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	81	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	U
11096-82-5	Aroclor 1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16 (1-5)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-016b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00223.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/17/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16 (1-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-016b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00191.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16 (5-10)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-017b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00224.raw

% Moisture: 9.8 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/17/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-017b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00193.raw

% Moisture: 9.8 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-018b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00096.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-018b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00181.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

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D. HERBICIDES

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-001B

Sample wt/vol: 25.1 (g/mL) g Lab File ID: A00242.raw

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.4	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-002B

Sample wt/vol: 25.06 (g/mL) g Lab File ID: A00243.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.9	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-003B

Sample wt/vol: 25.11 (g/mL) g Lab File ID: A00244.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.0	U

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1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-004B

Sample wt/vol: 25.1 (g/mL) g Lab File ID: A00364.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/14/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/15/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.0	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-13 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-005B

Sample wt/vol: 25.06 (g/mL) g Lab File ID: A00246.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.1	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-006B

Sample wt/vol: 25.01 (g/mL) g Lab File ID: A00247.raw

% Moisture: 9.5 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.5	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-007B

Sample wt/vol: 25.19 (g/mL) g Lab File ID: A00248.raw

% Moisture: 15 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.8	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-008B

Sample wt/vol: 25.03 (g/mL) g Lab File ID: A00249.raw

% Moisture: 20 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.2	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-009B

Sample wt/vol: 25.05 (g/mL) g Lab File ID: A00250.raw

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.4	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-14 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-010B

Sample wt/vol: 25.04 (g/mL) g Lab File ID: A00251.raw

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.3	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-011B

Sample wt/vol: 25.16 (g/mL) g Lab File ID: A00252.raw

% Moisture: 8.3 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.4	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-012B

Sample wt/vol: 25.02 (g/mL) g Lab File ID: A00253.raw

% Moisture: 17 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.0	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-013B

Sample wt/vol: 25.04 (g/mL) g Lab File ID: A00254.raw

% Moisture: 23 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.5	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (15-20)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-014B

Sample wt/vol: 25.09 (g/mL) g Lab File ID: A00255.raw

% Moisture: 17 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.0	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-15 (20-25)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-015B

Sample wt/vol: 25.12 (g/mL) g Lab File ID: A00256.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.1	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-016B

Sample wt/vol: 25.14 (g/mL) g Lab File ID: A00257.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/11/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.5	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-017B

Sample wt/vol: 25.18 (g/mL) g Lab File ID: A00365.raw

% Moisture: 9.8 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/14/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/15/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.5	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-16 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF002

Matrix: (soil/water) SOIL Lab Sample ID: 1410634-018B

Sample wt/vol: 25.03 (g/mL) g Lab File ID: A00366.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/14/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/15/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

FORM I HERB

Pace Long Island

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E. METALS

Pace Long Island

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Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

E - Serial dilution is not within acceptance criteria or the reported value is estimated because of the presence of interference. An explanatory note is included in the SDG narrative.

N - Matrix spike sample recovery not within control limits.

* - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).

U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

P - Analyzed by ICP.
MS - Analyzed by ICP-MS
CV - Analyzed by Manual Cold Vapor techniques.
AV - Analyzed by Automated Cold Vapor techniques.
C - Analyzed by Manual Spectrophotometric Method.
CA- Analyzed by Midi-distillation Spectrophotometric Method.
NR - Analyte not Required.

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-13 (1-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-001

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 92.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3560			P
7440-36-0	Antimony	0.94	B		P
7440-38-2	Arsenic	4.0		*	P
7440-39-3	Barium	33.6			P
7440-41-7	Beryllium	0.043	B		P
7440-43-9	Cadmium	0.17	B	*	P
7440-70-2	Calcium	35700		*	P
7440-47-3	Chromium	8.8			P
7440-48-4	Cobalt	3.9	B		P
7440-50-8	Copper	8.2			P
7439-89-6	Iron	5530			P
7439-92-1	Lead	39.1			P
7439-95-4	Magnesium	9670		*	P
7439-96-5	Manganese	188			P
7439-97-6	Mercury	0.028	B	N	CV
7440-02-0	Nickel	5.4			P
7440-09-7	Potassium	434	B		P
7782-49-2	Selenium	0.50	B	N	P
7440-22-4	Silver	0.48	B	N*	P
7440-23-5	Sodium	274	B		P
7440-28-0	Thallium	0.98	U		P
7440-62-2	Vanadium	12.9			P
7440-66-6	Zinc	21.4		*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 10/29/14

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-13 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-002

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 83.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7420			P
7440-36-0	Antimony	1.0	B		P
7440-38-2	Arsenic	2.6		*	P
7440-39-3	Barium	28.3			P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	0.024	U	*	P
7440-70-2	Calcium	1000		*	P
7440-47-3	Chromium	17.6			P
7440-48-4	Cobalt	5.1	B		P
7440-50-8	Copper	14.9			P
7439-89-6	Iron	9680			P
7439-92-1	Lead	6.1			P
7439-95-4	Magnesium	948		*	P
7439-96-5	Manganese	60.9			P
7439-97-6	Mercury	0.020	U	N	CV
7440-02-0	Nickel	6.8			P
7440-09-7	Potassium	627			P
7782-49-2	Selenium	0.29	U	N	P
7440-22-4	Silver	0.036	U	N*	P
7440-23-5	Sodium	224	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	19.3			P
7440-66-6	Zinc	24.4		*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 10/29/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-13 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-003

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 83.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6670			P
7440-36-0	Antimony	0.98	B		P
7440-38-2	Arsenic	2.7		*	P
7440-39-3	Barium	44.7			P
7440-41-7	Beryllium	0.67			P
7440-43-9	Cadmium	0.024	U	*	P
7440-70-2	Calcium	1290		*	P
7440-47-3	Chromium	17.2			P
7440-48-4	Cobalt	19.9			P
7440-50-8	Copper	19.7			P
7439-89-6	Iron	20100			P
7439-92-1	Lead	7.5			P
7439-95-4	Magnesium	1280		*	P
7439-96-5	Manganese	173			P
7439-97-6	Mercury	0.020	U	N	CV
7440-02-0	Nickel	11.6			P
7440-09-7	Potassium	867			P
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.035	U	N*	P
7440-23-5	Sodium	86.1	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	25.4			P
7440-66-6	Zinc	45.0		*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 10/29/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-13 (15-20)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-004

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 83.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5210			P
7440-36-0	Antimony	0.77	B		P
7440-38-2	Arsenic	3.2		*	P
7440-39-3	Barium	37.2			P
7440-41-7	Beryllium	0.26	B		P
7440-43-9	Cadmium	0.024	U	*	P
7440-70-2	Calcium	1060		*	P
7440-47-3	Chromium	15.6			P
7440-48-4	Cobalt	11.0			P
7440-50-8	Copper	18.2			P
7439-89-6	Iron	14700			P
7439-92-1	Lead	7.0			P
7439-95-4	Magnesium	1730		*	P
7439-96-5	Manganese	109			P
7439-97-6	Mercury	0.019	U	N	CV
7440-02-0	Nickel	18.5			P
7440-09-7	Potassium	945			P
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.035	U	N*	P
7440-23-5	Sodium	72.5	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	19.6			P
7440-66-6	Zinc	46.0		*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 10/29/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-13 (20-25)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-005

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 81.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5610			P
7440-36-0	Antimony	0.66	B		P
7440-38-2	Arsenic	4.3		*	P
7440-39-3	Barium	42.5			P
7440-41-7	Beryllium	0.41	B		P
7440-43-9	Cadmium	0.024	U	*	P
7440-70-2	Calcium	1170		*	P
7440-47-3	Chromium	19.9			P
7440-48-4	Cobalt	20.2			P
7440-50-8	Copper	17.2			P
7439-89-6	Iron	15700			P
7439-92-1	Lead	8.5			P
7439-95-4	Magnesium	1290		*	P
7439-96-5	Manganese	151			P
7439-97-6	Mercury	0.020	U	N	CV
7440-02-0	Nickel	12.7			P
7440-09-7	Potassium	928			P
7782-49-2	Selenium	0.29	U	N	P
7440-22-4	Silver	0.036	U	N*	P
7440-23-5	Sodium	93.5	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	24.8			P
7440-66-6	Zinc	45.5		*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 10/29/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-14 (1-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-006

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 90.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6530			P
7440-36-0	Antimony	1.1	B		P
7440-38-2	Arsenic	3.1		*	P
7440-39-3	Barium	38.6			P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.022	U	*	P
7440-70-2	Calcium	9640		*	P
7440-47-3	Chromium	14.9			P
7440-48-4	Cobalt	5.8			P
7440-50-8	Copper	15.4			P
7439-89-6	Iron	11300			P
7439-92-1	Lead	46.3			P
7439-95-4	Magnesium	3190		*	P
7439-96-5	Manganese	216			P
7439-97-6	Mercury	0.063		N	CV
7440-02-0	Nickel	10.3			P
7440-09-7	Potassium	834			P
7782-49-2	Selenium	0.26	U	N	P
7440-22-4	Silver	0.033	U	N*	P
7440-23-5	Sodium	324	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	17.9			P
7440-66-6	Zinc	34.9		*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 10/29/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-14 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-007

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 85.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5790			P
7440-36-0	Antimony	0.93	B		P
7440-38-2	Arsenic	4.1		*	P
7440-39-3	Barium	37.7			P
7440-41-7	Beryllium	0.26	B		P
7440-43-9	Cadmium	0.046	B	*	P
7440-70-2	Calcium	1200		*	P
7440-47-3	Chromium	17.1			P
7440-48-4	Cobalt	13.4			P
7440-50-8	Copper	26.7			P
7439-89-6	Iron	10300			P
7439-92-1	Lead	30.8			P
7439-95-4	Magnesium	581		*	P
7439-96-5	Manganese	1670			P
7439-97-6	Mercury	0.039	B	N	CV
7440-02-0	Nickel	19.0			P
7440-09-7	Potassium	694			P
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.044	B	N*	P
7440-23-5	Sodium	157	B		P
7440-28-0	Thallium	3.9			P
7440-62-2	Vanadium	21.3			P
7440-66-6	Zinc	25.7		*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 10/29/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-14 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-008

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 80.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8430			P
7440-36-0	Antimony	1.1	B		P
7440-38-2	Arsenic	3.0		*	P
7440-39-3	Barium	30.7			P
7440-41-7	Beryllium	0.20	B		P
7440-43-9	Cadmium	0.025	U	*	P
7440-70-2	Calcium	683		*	P
7440-47-3	Chromium	15.6			P
7440-48-4	Cobalt	5.8	B		P
7440-50-8	Copper	21.3			P
7439-89-6	Iron	21400			P
7439-92-1	Lead	9.3			P
7439-95-4	Magnesium	1440		*	P
7439-96-5	Manganese	208			P
7439-97-6	Mercury	0.021	U	N	CV
7440-02-0	Nickel	17.9			P
7440-09-7	Potassium	1170			P
7782-49-2	Selenium	0.30	U	N	P
7440-22-4	Silver	0.037	U	N*	P
7440-23-5	Sodium	47.3	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	26.9			P
7440-66-6	Zinc	56.3		*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 10/29/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-14 (15-20)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-009

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 78.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7850			P
7440-36-0	Antimony	1.2	B		P
7440-38-2	Arsenic	4.0		*	P
7440-39-3	Barium	27.3			P
7440-41-7	Beryllium	0.44	B		P
7440-43-9	Cadmium	0.025	U	*	P
7440-70-2	Calcium	582	B	*	P
7440-47-3	Chromium	23.0			P
7440-48-4	Cobalt	9.5			P
7440-50-8	Copper	19.1			P
7439-89-6	Iron	24000			P
7439-92-1	Lead	8.8			P
7439-95-4	Magnesium	995		*	P
7439-96-5	Manganese	177			P
7439-97-6	Mercury	0.022	U	N	CV
7440-02-0	Nickel	17.1			P
7440-09-7	Potassium	1170			P
7782-49-2	Selenium	0.30	U	N	P
7440-22-4	Silver	0.038	U	N*	P
7440-23-5	Sodium	55.0	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	30.9			P
7440-66-6	Zinc	58.4		*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 10/29/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-14 (20-25)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-010

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 78.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9460			P
7440-36-0	Antimony	1.3	B		P
7440-38-2	Arsenic	3.2		*	P
7440-39-3	Barium	32.7			P
7440-41-7	Beryllium	0.36	B		P
7440-43-9	Cadmium	0.025	U	*	P
7440-70-2	Calcium	481	B	*	P
7440-47-3	Chromium	15.3			P
7440-48-4	Cobalt	14.6			P
7440-50-8	Copper	15.0			P
7439-89-6	Iron	21100			P
7439-92-1	Lead	7.0			P
7439-95-4	Magnesium	1550		*	P
7439-96-5	Manganese	309			P
7439-97-6	Mercury	0.021	U	N	CV
7440-02-0	Nickel	21.6			P
7440-09-7	Potassium	1390			P
7782-49-2	Selenium	0.30	U	N	P
7440-22-4	Silver	0.037	U	N*	P
7440-23-5	Sodium	98.0	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	26.7			P
7440-66-6	Zinc	67.0		*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 10/29/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-15 (1-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-011

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 91.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3790			P
7440-36-0	Antimony	1.1	B		P
7440-38-2	Arsenic	24.7		*	P
7440-39-3	Barium	19.0	B		P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.30	B	*	P
7440-70-2	Calcium	24200		*	P
7440-47-3	Chromium	10.1			P
7440-48-4	Cobalt	4.9	B		P
7440-50-8	Copper	14.5			P
7439-89-6	Iron	10800			P
7439-92-1	Lead	8.9			P
7439-95-4	Magnesium	11200		*	P
7439-96-5	Manganese	116			P
7439-97-6	Mercury	0.017	U	N	CV
7440-02-0	Nickel	5.9			P
7440-09-7	Potassium	586			P
7782-49-2	Selenium	0.26	U	N	P
7440-22-4	Silver	0.87	B	N*	P
7440-23-5	Sodium	201	B		P
7440-28-0	Thallium	0.99	U		P
7440-62-2	Vanadium	12.6			P
7440-66-6	Zinc	20.1		*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 10/29/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-15 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-012

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 82.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2230			P
7440-36-0	Antimony	1.4	B		P
7440-38-2	Arsenic	3.6		*	P
7440-39-3	Barium	34.8			P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium	0.024	U	*	P
7440-70-2	Calcium	168	B	*	P
7440-47-3	Chromium	31.5			P
7440-48-4	Cobalt	5.0	B		P
7440-50-8	Copper	50.7			P
7439-89-6	Iron	31200			P
7439-92-1	Lead	10.5			P
7439-95-4	Magnesium	45.7	B	*	P
7439-96-5	Manganese	52.2			P
7439-97-6	Mercury	0.020	U	N	CV
7440-02-0	Nickel	6.1			P
7440-09-7	Potassium	241	B		P
7782-49-2	Selenium	0.29	U	N	P
7440-22-4	Silver	0.036	U	N*	P
7440-23-5	Sodium	30.2	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	41.1			P
7440-66-6	Zinc	54.5		*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 10/29/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-15 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-013

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 76.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4360			P
7440-36-0	Antimony	0.76	B		P
7440-38-2	Arsenic	4.5		*	P
7440-39-3	Barium	34.7			P
7440-41-7	Beryllium	0.38	B		P
7440-43-9	Cadmium	0.026	U	*	P
7440-70-2	Calcium	1380		*	P
7440-47-3	Chromium	26.8			P
7440-48-4	Cobalt	2.0	B		P
7440-50-8	Copper	20.8			P
7439-89-6	Iron	15900			P
7439-92-1	Lead	15.2			P
7439-95-4	Magnesium	215	B	*	P
7439-96-5	Manganese	8.1			P
7439-97-6	Mercury	0.021	U	N	CV
7440-02-0	Nickel	3.0	B		P
7440-09-7	Potassium	1090			P
7782-49-2	Selenium	0.31	U	N	P
7440-22-4	Silver	0.039	U	N*	P
7440-23-5	Sodium	84.6	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	61.3			P
7440-66-6	Zinc	19.9		*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 10/29/14

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-15 (15-20)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-014

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 83.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11200			P
7440-36-0	Antimony	0.97	B		P
7440-38-2	Arsenic	2.2		*	P
7440-39-3	Barium	32.9			P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	0.024	U	*	P
7440-70-2	Calcium	479	B	*	P
7440-47-3	Chromium	15.2			P
7440-48-4	Cobalt	5.2	B		P
7440-50-8	Copper	25.7			P
7439-89-6	Iron	13000			P
7439-92-1	Lead	5.8			P
7439-95-4	Magnesium	1100		*	P
7439-96-5	Manganese	87.4			P
7439-97-6	Mercury	0.020	U	N	CV
7440-02-0	Nickel	9.8			P
7440-09-7	Potassium	1480			P
7782-49-2	Selenium	0.29	U	N	P
7440-22-4	Silver	0.036	U	N*	P
7440-23-5	Sodium	30.5	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	26.4			P
7440-66-6	Zinc	37.1		*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 10/29/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-15 (20-25)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-015

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 81.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7210			P
7440-36-0	Antimony	1.1	B		P
7440-38-2	Arsenic	2.0		*	P
7440-39-3	Barium	26.8			P
7440-41-7	Beryllium	0.16	B		P
7440-43-9	Cadmium	0.024	U	*	P
7440-70-2	Calcium	390	B	*	P
7440-47-3	Chromium	10.2			P
7440-48-4	Cobalt	8.2			P
7440-50-8	Copper	21.0			P
7439-89-6	Iron	15300			P
7439-92-1	Lead	5.6			P
7439-95-4	Magnesium	794		*	P
7439-96-5	Manganese	133			P
7439-97-6	Mercury	0.020	U	N	CV
7440-02-0	Nickel	9.0			P
7440-09-7	Potassium	1120			P
7782-49-2	Selenium	0.29	U	N	P
7440-22-4	Silver	0.036	U	N*	P
7440-23-5	Sodium	27.0	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	22.2			P
7440-66-6	Zinc	35.1		*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 10/29/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-16 (1-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-016

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 89.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4070			P
7440-36-0	Antimony	0.90	B		P
7440-38-2	Arsenic	2.8		*	P
7440-39-3	Barium	28.8			P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.022	U	*	P
7440-70-2	Calcium	1600		*	P
7440-47-3	Chromium	15.1			P
7440-48-4	Cobalt	3.7	B		P
7440-50-8	Copper	7.7			P
7439-89-6	Iron	10500			P
7439-92-1	Lead	24.7			P
7439-95-4	Magnesium	885		*	P
7439-96-5	Manganese	191			P
7439-97-6	Mercury	0.054		N	CV
7440-02-0	Nickel	4.9			P
7440-09-7	Potassium	552	B		P
7782-49-2	Selenium	0.46	B	N	P
7440-22-4	Silver	0.033	U	N*	P
7440-23-5	Sodium	238	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	12.0			P
7440-66-6	Zinc	21.7		*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 10/29/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-16 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-017

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 90.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5100			P
7440-36-0	Antimony	1.3	B		P
7440-38-2	Arsenic	5.2		*	P
7440-39-3	Barium	26.5			P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.087	B	*	P
7440-70-2	Calcium	3370		*	P
7440-47-3	Chromium	9.4			P
7440-48-4	Cobalt	7.4			P
7440-50-8	Copper	19.4			P
7439-89-6	Iron	9860			P
7439-92-1	Lead	11.9			P
7439-95-4	Magnesium	1340		*	P
7439-96-5	Manganese	102			P
7439-97-6	Mercury	0.018	U	N	CV
7440-02-0	Nickel	11.3			P
7440-09-7	Potassium	439	B		P
7782-49-2	Selenium	1.1		N	P
7440-22-4	Silver	0.48	B	N*	P
7440-23-5	Sodium	381	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	22.7			P
7440-66-6	Zinc	94.3		*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 10/29/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-16 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF002

Matrix (soil/water): SOIL Lab Sample ID: 1410634-018

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 89.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2320			P
7440-36-0	Antimony	0.54	B		P
7440-38-2	Arsenic	1.2		*	P
7440-39-3	Barium	12.9	B		P
7440-41-7	Beryllium	0.056	B		P
7440-43-9	Cadmium	0.022	U	*	P
7440-70-2	Calcium	227	B	*	P
7440-47-3	Chromium	8.1			P
7440-48-4	Cobalt	2.9	B		P
7440-50-8	Copper	4.8			P
7439-89-6	Iron	10300			P
7439-92-1	Lead	2.4			P
7439-95-4	Magnesium	335	B	*	P
7439-96-5	Manganese	49.8			P
7439-97-6	Mercury	0.019	U	N	CV
7440-02-0	Nickel	6.8			P
7440-09-7	Potassium	372	B		P
7782-49-2	Selenium	0.27	U	N	P
7440-22-4	Silver	0.034	U	N*	P
7440-23-5	Sodium	504	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	9.9			P
7440-66-6	Zinc	17.9		*	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 10/29/14

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

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ANALYTICAL DATA PACKAGE
ASP A PACKAGE

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- B. SEMIVOLATILES
- C. PESTICIDES/PCBs
- D. HERBICIDES
- E. METALS

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I. SDG NARRATIVE

Pace Long Island

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fax 631.420.8436

SDG NARRATIVE FOR VOLATILES ANALYSIS
SAMPLE(S) RECEIVED: 10/8/14
SDG#: GNF003

For Sample(s):

SSBR-17 (1-5)
SSBR-17 (5-10)
SSBR-17 (10-15)

The above water sample(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260C.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/matrix spike duplicate analysis. Lab fortified blanks were analyzed. All percent recoveries were within or above QC limits.

Low levels of acetone and methylene chloride were present in the method blank. These analytes were flagged with a "B" qualifier if present in samples associated with this blank.

In the initial calibration, average response factors were employed for most analytes, and regression function(s) was/were used for the compound(s) with an RSD above 20%. Variability criteria for the continuous calibration check (CCV) are flagged with a "Z" qualifier is %D's are above 20%.

Sample SSBR-17 (1-5) was reanalyzed due to low internal standard area counts. Similar area counts were observed in the reanalysis. Both sets of data are submitted.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 5, 2014

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* *
****
Joann M. Slavin
General Manager

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ANALYSES
SAMPLE(S) RECEIVED: 10/8/14
SDG #: GNF003

For Sample(s):

SSBR-17 (1-5)
SSBR-17 (5-10)
SSBR-17 (10-15)

The above sample(s) was/were analyzed for a select list of base/neutral extractables by EPA method 8270D.in accordance with the NYSDEC ASP, Rev. 7/2005, Category A.

All Q.C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

No matrix spike/matrix spike duplicate was submitted. Lab fortified blanks were analyzed, and recoveries indicate good method efficiency.

In the initial calibrations, average response factors were employed for the compounds with RSDs up to 20%. The variability %D for pentachlorophenol in the CCV also exceeded 20%. This sample is flagged with a "Z" qualifier indicating that is regarded estimated

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: October 28, 2014

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Joann M. Slavin
General Manager

Pace Long Island

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Melville, NY 11747

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SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 10/8/14
SDG #: GNF003

For Sample(s):

SSBR-17 (1-5)
SSBR-17 (5-10)
SSBR-17 (10-15)

The above soil sample(s) was/were analyzed for pesticides and aroclors by methods 8081A and 8082 in accordance with the NYSDEC ASP, Rev. 7/2005 and reported with the requested deliverables.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

The concentrates were split and analyzed separately for pesticides and PCBs. The aliquots for aroclors analysis were cleaned up with sulfuric acid and TBA for sulfur removal. These aliquots for aroclors analysis are reported with an "A" suffix. Sample SSBR-17(1-5) for pesticides was sulfur cleaned.

The DDT breakdown in PEM21 was greater than 15%. This is associated with sample SSBR-17(5-10). INDAM20 had low DDT due to high DDT breakdown. The DDT breakdown in PEM31 was greater than 15%. This is associated with sample SSB-17(1-5) INDAM30 had a low DDT due to the high DDT breakdown.

No matrix spike/ matrix spike duplicate was submitted.

Lab fortified blanks were analyzed, and recoveries indicate good method efficiency.

Positives are reported to the practical detection limits of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 11, 2014

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* *
****
Joann M. Slavin
General Manager

Pace Long Island

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Melville, NY 11747

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SDG NARRATIVE FOR HERBICIDES ANALYSIS
SAMPLE(S) RECEIVED: 10/8/14
SDG#: GNF003

For Sample(s):

SSBR-17 (1-5)
SSBR-17 (5-10)
SSBR-17 (10-15)

The above sample(s) was/were analyzed for a select list of herbicides by method 8151A and reported according to the requirements of the NYS DEC ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

Sample SSBR-17 (5-10) was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPD's were met. A lab fortified blank was analyzed and indicates good method efficiency.

Positives are reported to the practical detection limit (PDL) of half of the reporting limit (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 3, 2014

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* *
****
Joann M. Slavin
General Manager

Pace Long Island

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 10/8/14
SDG #: GNF003

For Sample(s):

SSBR-17 (1-5)
SSBR-17 (5-10)
SSBR-17 (10-15)

The above soil sample(s) was/were received by Pace Analytical Services Inc. for analysis of TAL metals and mercury. The samples were prepared and analyzed by EPA method 6010C with a TS ICAP 6000 instrument and EPA method 7470A with a Leeman HYDRA mercury analyzer.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SSBR-17 (10-15) was selected for batch Q. C. analysis and reporting.

Spike analysis results did not meet acceptance criteria for silver. The sample was post spiked, reanalyzed and recovery was 29.7% for silver. Data for silver were flagged with the qualifier "N" on forms 1 and 5A.

The spike recovery was not within 75-125% for arsenic, iron, and lead. Since the sample concentrations were greater than four times the spike concentrations, post spikes and data qualifiers were not required.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 3, 2014

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* *
* *
****
Ursula Middel
Quality Analyst

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II. NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: GNF002

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		GCSEMI	ME	MSSEMI	MSVOA	SUBPACE
SSBR-13 (1-5)	1410634-001	X	X	X	X	X
SSBR-13 (5-10)	1410634-002	X	X	X	X	X
SSBR-13 (10-15)	1410634-003	X	X	X	X	X
SSBR-13 (15-20)	1410634-004	X	X	X	X	X
SSBR-13 (20-25)	1410634-005	X	X	X	X	X
SSBR-14 (1-5)	1410634-006	X	X	X	X	X
SSBR-14 (5-10)	1410634-007	X	X	X	X	X
SSBR-14 (10-15)	1410634-008	X	X	X	X	X
SSBR-14 (15-20)	1410634-009	X	X	X	X	X
SSBR-14 (20-25)	1410634-010	X	X	X	X	X
SSBR-15 (1-5)	1410634-011	X	X	X	X	X
SSBR-15 (5-10)	1410634-012	X	X	X	X	X
SSBR-15 (10-15)	1410634-013	X	X	X	X	X
SSBR-15 (15-20)	1410634-014	X	X	X	X	X
SSBR-15 (20-25)	1410634-015	X	X	X	X	X
SSBR-16 (1-5)	1410634-016	X	X	X	X	X
SSBR-16 (5-10)	1410634-017	X	X	X	X	X
SSBR-16 (10-15)	1410634-018	X	X	X	X	X

CLP, Non-CLP (Please indicate year of protocol)
TCL/TAL, HSL, Priority Pollutant,

ASP A. 2005
BC 11-11-14

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: GNF003

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410658-001A	SSBR-17 (1-5)	Soil	ASPB2860	07-Oct-14	08-Oct-14		11-Oct-14		1	LOW	
1410658-001ARE	SSBR-17 (1-5)RE	Soil	ASPB2860	07-Oct-14	08-Oct-14		15-Oct-14		1	LOW	
1410658-002A	SSBR-17 (5-10)	Soil	ASPB2860	07-Oct-14	08-Oct-14		11-Oct-14		1	LOW	
1410658-003A	SSBR-17 (10-15)	Soil	ASPB2860	07-Oct-14	08-Oct-14		15-Oct-14		1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

SDG: GNF003

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410658-001B	SSBR-17(1-5)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410658-002B	SSBR-17(5-10)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	
1410658-003B	SSBR-17(10-15)	Soil	8270	07-Oct-14	08-Oct-14	10-Oct-14	14-Oct-14	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF003

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410658-001b	SSBR-17 (1-5)S	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	17-Oct-14	PFEX	1	LOW	SLFR
1410658-001b	SSBR-17 (1-5)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410658-002b	SSBR-17 (5-10)	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	14-Oct-14	PFEX	1	LOW	
1410658-002b	SSBR-17 (5-10)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410658-003b	SSBR-17 (10-15)	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	14-Oct-14	PFEX	1	LOW	
1410658-003b	SSBR-17 (10-15)A	Soil	SW8081/8082	07-Oct-14	08-Oct-14	09-Oct-14	13-Oct-14	PFEX	1	LOW	SLFR H2SO4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF003

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410658-001B	SSBR-17 (1-5)	Soil	SW8151	07-Oct-14	08-Oct-14	14-Oct-14	16-Oct-14	Shake/SEPF	1	LOW	
1410658-002B	SSBR-17 (5-10)	Soil	SW8151	07-Oct-14	08-Oct-14	14-Oct-14	16-Oct-14	Shake/SEPF	1	LOW	
1410658-002Bms	SSBR-17 (5-10)MS	Soil	SW8151	07-Oct-14	08-Oct-14	14-Oct-14	16-Oct-14	Shake/SEPF	1	LOW	
1410658-002Bmsd	SSBR-17 (5-10)MSD	Soil	SW8151	07-Oct-14	08-Oct-14	14-Oct-14	16-Oct-14	Shake/SEPF	1	LOW	
1410658-003B	SSBR-17 (10-15)	Soil	SW8151	07-Oct-14	08-Oct-14	14-Oct-14	16-Oct-14	Shake/SEPF	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG : GNF003

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	DateRecd at Lab	Date Analyzed
1410658-001	SSBR-17 (1-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410658-001DUP	SSBR-17 (1-5)D	SOIL	HG,	08-Oct-14	10/14
1410658-001MS	SSBR-17 (1-5)S	SOIL	HG,	08-Oct-14	10/14
1410658-002	SSBR-17 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410658-003	SSBR-17 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410658-003DUP	SSBR-17 (10-15)D	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14
1410658-003MS	SSBR-17 (10-15)S	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	08-Oct-14	10/14

Pace Long Island

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III. CHAIN OF CUSTODY FORMS

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04921

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF002/003

PROJECT NAME/NUMBER
Garvies Point / Glen Cove

SAMPLERS: (Signature)/Client
Gannett Fleming
100 Crossways Park Drive West
Woodbury, NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES:

Project Contact: Vincent Frisina vfrisina@gfnet.com
Phone Number: 516-364-4140 ext. 1323
PIS/Quote #

Sample Container Description: Terra Core VOAs; 4 oz. Jar; 2 oz. Jar; 8 oz. Jar

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs/Pest/PCB/Herb.	Metals	Radiological	LAB I.D. NO. MCW 10/8/14	REMARKS:
10/7/14	8:10	SL	SSBR-17 (1-5)	7	4	1	1	1	~~1410634-019~~	-1410658-001
10/7/14	8:20	SL	SSBR-17 (5-10)	7	4	1	1	1	~~-020~~	-002 GNF
10/7/14	8:33	SL	SSBR-17 (10-15)	7	4	1	1	1	~~-021~~	-003 003
10/7/14	9:05	SL	SSBR-16 (1-5)	7	4	1	1	1	1410634 016	
10/7/14	9:15	SL	SSBR-16 (5-10)	7	4	1	1	1	-017	
10/7/14	9:27	SL	SSBR-16 (10-15)	7	4	1	1	1	-018	
10/7/14	10:11	SL	SSBR-15 (1-5)	7	4	1	1	1	-011	GNF002
10/7/14	10:31	SL	SSBR-15 (5-10)	7	4	1	1	1	-012	
10/7/14	10:43	SL	SSBR-15 (10-15)	7	4	1	1	1	-013	
10/7/14	10:52	SL	SSBR-15 (15-20)	7	4	1	1	1	-014	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/8/14	14:20	George A. Cappadona	10-8-14	14:20
George A. Cappadona	10-8-14	15:40	[signature]	10-8-14	15:40

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ✓ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

3.5°C

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF003 S16

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

GNF003

Sample Receipt Checklist

Client Name **GNF** Date and Time Received: **10/8/2014 3:40:00 PM**

Work Order Number: **1410658** RcptNo: **1** Received by **MelissaWatson**

Completed by: M. Watson Reviewed by: Jennifer Ca

Completed Date: 10/10/2014 10:55:18 AM Reviewed Date: 10/13/2014 10:49:27 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	3.5 To	5.2 °
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bil ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF003 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

GNF003 S17

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: ~~BOS 70D~~ BOS-10 DEL 10-31-14 TURN AROUND TIME: 21 DAYS

SDG: GNF003 CASE#: _____ MATRIX: Soil pH CHECK Y or (N)

REMARKS: _____

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 10-8-14 TIME: 1540

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-17 (1-5)	1410658 001A	~~10-8-14~~ 10-7-14 MCW	D, AA	3, 1	8260_S_SUFF
2. (5-10)	002	10-7-14			
3. (10-15)	003				
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MCW 10-10-14

CLIENT: GNF

SDG: GNF003

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10-8-14	2100	[illegible]	BBLaguna	D.A.A.	ANALYSIS	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-70D TURN AROUND TIME: 21 DAYS

SDG: GNF003 CASE#: MATRIX: Soil pH CHECK Y or N

REMARKS:

RECEIVED BY: MCW SIGNATURE: DATE: 10-8-14 TIME: 1540

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-17 (1-5)	1410058 0018	10-7-14	B	1	8081/8082_S(SEL), 8151_S(SEL), 8270_S-TCL(SEL)
2. (5-10)	002				
3. (10-15)	003				
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MCW 10-10-14

CLIENT: GNF

SDG: GNF003

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10-8-14	2100	[illegible]	[illegible]	B	PREP	
10/9/14	11:00	[illegible]	[illegible]	B	Prep	
10/9/14	11:30		[illegible]	B	Prep/storage	
10/10/14	19:30	[illegible]	[illegible]	All (E) 8182-S	Analysis	
10/12/14	14:35	[illegible]	[illegible]	All (E) 8270-S	Analysis	
10/15/14		[illegible]	[illegible]	All (E) 8151-S	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-100 SA 10/7/14 TURN AROUND TIME: 21 DAYS

SDG: GNF003 CASE#: _____ MATRIX: Soil pH CHECK Y or N

REMARKS: _____

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 10-8-14 TIME: 15:40

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-17 (1-5)	1410658 001C	10-7-14	A	1	TCLMPKG-S %MOIST
2. (5-10)	002				
3. (10-15)	003				
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MCW 10-10-14

CLIENT: GNF

SDG: GNF003

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10-8-14	2100	[illegible]	[illegible]	A	DIG	
10/23/14	13:00	[illegible]	Hamamathu	DICS	Analysis	

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

IV. ANALYTICAL FORM I'S:

A. VOLATILES
B. SEMIVOLATILES
C. PESTICIDES/PCBs
D. HERBICIDES
E. METALS

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
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A. VOLATILES

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

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fax: 631.420.8436

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(300\ U)}{D} \text{ x df where } D = \frac{100\%moisture}{100}$$

and df - dilution factor

$$\text{For example, at 24\% moisture, } D = \frac{100-24}{100} = 0.76$$

$$\frac{(300\ U)}{.76} \text{ x 10 - 4300 U rounded to the appropriate number of significant figures}$$

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 µg/L and a concentration of 3 µg/L is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported of Form I with a "P".

C - This flag applies to pesticide results when the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory defined flag, discussed below.

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel: 631.694.3040
fax: 631.420.8436

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identified compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration ranges in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g. a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceed 200 µg/L or the peak representing the two coeluting isomers on that GC column exceed 400 µg/L. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceed 400 µg/L.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - Other specific flags may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, used the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The laboratory defined flags limited to the letters "X", "Y" and "Z".

Z - This flag identifies compounds that have positive results and a %D greater than 20% in the CCV on the day of analysis. This flag is also used to identify compounds that have positive results and a %RSD greater than 20% in the initial calibration and for which no alternative calibration curves (e.g. linear regression, quadratic) passed acceptance criteria. These results are regarded as estimated.

The combination of flags "BU' or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-001A

Sample wt/vol: 5.88 (g/mL) g Lab File ID: F67864.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 16 Date Analyzed: 10/11/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	45	B
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	13	
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	1	J
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17 (1-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-001ARE

Sample wt/vol: 6.37 (g/mL) g Lab File ID: F67911.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 16 Date Analyzed: 10/15/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	36	B
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	13	
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	1	J
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-002A

Sample wt/vol: 6.75 (g/mL) g Lab File ID: F67865.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 12 Date Analyzed: 10/11/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	8	U
75-35-4	1,1-Dichloroethene	8	U
67-64-1	Acetone	6	BJ
75-09-2	Methylene chloride	8	U
156-60-5	trans-1,2-Dichloroethene	8	U
1634-04-4	Methyl tert-butyl ether	8	U
75-34-3	1,1-Dichloroethane	8	U
156-59-2	cis-1,2-Dichloroethene	8	U
78-93-3	2-Butanone	8	U
67-66-3	Chloroform	8	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon tetrachloride	8	U
71-43-2	Benzene	8	U
107-06-2	1,2-Dichloroethane	8	U
79-01-6	Trichloroethene	8	U
108-88-3	Toluene	8	U
127-18-4	Tetrachloroethene	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
1330-20-7	Xylene (total)	8	U
98-82-8	Isopropylbenzene	8	U
103-65-1	n-Propylbenzene	8	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	8	U
98-06-6	tert-Butylbenzene	8	U
95-63-6	1,2,4-Trimethylbenzene	8	U
135-98-8	sec-Butylbenzene	8	U
99-87-6	4-Isopropyltoluene	8	U
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
104-51-8	n-Butylbenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-003A

Sample wt/vol: 5.88 (g/mL) g Lab File ID: F67912.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: not dec. 7.3 Date Analyzed: 10/15/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	140	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	9	BJ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	1	J
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

B. SEMIVOLATILES

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17(1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-001B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: R24920.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
132-64-9	Dibenzofuran	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	110	J
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-002B

Sample wt/vol: 15 (g/mL) g Lab File ID: R24918.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-003B

Sample wt/vol: 15 (g/mL) g Lab File ID: R24919.D

Level: (low/med) LOW Date Received: 10/08/14

% Moisture: 7.3 Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

QC Check Sample/Standard

EPA SAMPLE NO.

LFB-46677

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: LFB-46677

Sample wt/vol: 15 (g/mL) g Lab File ID: R24889.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/13/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	1000	
95-48-7	2-Methylphenol	1100	
106-44-5	4-Methylphenol	1200	
91-20-3	Naphthalene	1200	
208-96-8	Acenaphthylene	1200	
83-32-9	Acenaphthene	1200	
132-64-9	Dibenzofuran	1300	
86-73-7	Fluorene	1300	
118-74-1	Hexachlorobenzene	1300	
87-86-5	Pentachlorophenol	1000	
85-01-8	Phenanthrene	1200	
120-12-7	Anthracene	1300	
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	1200	
56-55-3	Benzo(a)anthracene	1400	
218-01-9	Chrysene	1300	
205-99-2	Benzo(b)fluoranthene	1300	
207-08-9	Benzo(k)fluoranthene	1300	
50-32-8	Benzo(a)pyrene	1300	
193-39-5	Indeno(1,2,3-cd)pyrene	1300	
53-70-3	Dibenzo(a,h)anthracene	1300	
191-24-2	Benzo(g,h,i)perylene	1500	

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-46677

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: MB-46677

Sample wt/vol: 15 (g/mL) g Lab File ID: R24888.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/13/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
132-64-9	Dibenzofuran	330	U
86-73-7	Fluorene	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	240	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

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C. PESTICIDES/PCBS

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17 (1-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-001b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00188.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17 (1-5)S

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-001b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00221.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/17/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-002b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00184.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-002b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00119.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-003b

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00185.raw

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/13/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-003b

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00099.raw

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) PFEX Date Extracted: 10/09/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/14/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.8	U

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D. HERBICIDES

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-001B

Sample wt/vol: 25.14 (g/mL) g Lab File ID: A00367.raw

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/14/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/16/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.9	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-002B

Sample wt/vol: 25.11 (g/mL) g Lab File ID: A00368.raw

% Moisture: 12 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/14/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/16/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.7	U

FORM I HERB

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-17 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF003

Matrix: (soil/water) SOIL Lab Sample ID: 1410658-003B

Sample wt/vol: 25.2 (g/mL) g Lab File ID: A00369.raw

% Moisture: 7.3 Decanted: (Y/N) N Date Received: 10/08/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/14/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/16/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.4	U

FORM I HERB

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E. METALS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-17 (1-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF003

Matrix (soil/water): SOIL Lab Sample ID: 1410658-001

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 84.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8820			P
7440-36-0	Antimony	9.4			P
7440-38-2	Arsenic	111			P
7440-39-3	Barium	29.9			P
7440-41-7	Beryllium	0.012	U		P
7440-43-9	Cadmium	0.74			P
7440-70-2	Calcium	812			P
7440-47-3	Chromium	22.4			P
7440-48-4	Cobalt	4.9	B		P
7440-50-8	Copper	75.4			P
7439-89-6	Iron	17800			P
7439-92-1	Lead	33.1			P
7439-95-4	Magnesium	1960			P
7439-96-5	Manganese	153			P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	6.6			P
7440-09-7	Potassium	1080			P
7782-49-2	Selenium	3.3			P
7440-22-4	Silver	0.036	U	N	P
7440-23-5	Sodium	179	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	26.4			P
7440-66-6	Zinc	51.4			P

Color Before: BROWN Clarity Before: _____ Texture: FINE

Color After: BROWN Clarity After: CLOUDY Artifacts: _____

Comments:

Date Reported: 10/30/14

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-17 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF003

Matrix (soil/water): SOIL Lab Sample ID: 1410658-002

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 87.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1980			P
7440-36-0	Antimony	1.7	B		P
7440-38-2	Arsenic	139			P
7440-39-3	Barium	19.6	B		P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.27	B		P
7440-70-2	Calcium	198	B		P
7440-47-3	Chromium	15.6			P
7440-48-4	Cobalt	0.97	B		P
7440-50-8	Copper	12.4			P
7439-89-6	Iron	13900			P
7439-92-1	Lead	137			P
7439-95-4	Magnesium	543	B		P
7439-96-5	Manganese	60.4			P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	1.9	B		P
7440-09-7	Potassium	709			P
7782-49-2	Selenium	4.1			P
7440-22-4	Silver	0.034	U	N	P
7440-23-5	Sodium	93.5	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	7.4			P
7440-66-6	Zinc	16.4			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported: 10/30/14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-17 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF003

Matrix (soil/water): SOIL Lab Sample ID: 1410658-003

Level (low/med): LOW Date Received: 10/8/2014

% Solids: 92.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1300			P
7440-36-0	Antimony	0.18	B		P
7440-38-2	Arsenic	27.6			P
7440-39-3	Barium	9.8	B		P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.11	B		P
7440-70-2	Calcium	97.5	B		P
7440-47-3	Chromium	9.0			P
7440-48-4	Cobalt	0.76	B		P
7440-50-8	Copper	6.2			P
7439-89-6	Iron	7200			P
7439-92-1	Lead	88.5			P
7439-95-4	Magnesium	227	B		P
7439-96-5	Manganese	19.0			P
7439-97-6	Mercury	0.017	U		CV
7440-02-0	Nickel	2.5	B		P
7440-09-7	Potassium	471	B		P
7782-49-2	Selenium	1.2			P
7440-22-4	Silver	0.032	U	N	P
7440-23-5	Sodium	49.9	B		P
7440-28-0	Thallium	0.98	U		P
7440-62-2	Vanadium	7.0			P
7440-66-6	Zinc	8.9			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported: 10/30/14

Pace Long Island

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ANALYTICAL DATA PACKAGE
ASP A PACKAGE

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GANNETT & FLEMING
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- B. SEMIVOLATILES
- C. PESTICIDES/PCBs
- D. HERBICIDES
- E. METALS

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I. SDG NARRATIVE

Pace Long Island

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SDG NARRATIVE FOR VOLATILES ANALYSIS
SAMPLE(S) RECEIVED: 10/6/14
SDG#: GNF001

For Sample(s):

SSBR-18 (1-5)	SSBR-19 (5-10)	SSBR-20 (10-15)
SSBR-18 (5-10)	SSBR-19 (10-15)	SSBR-21 (1-5)
SSBR-18 (10-15)	SSBR-20 (1-5)	SSBR-21 (5-10)
SSBR-19 (1-5)	SSBR-20 (5-10)	SSBR-21 (10-15)

The above water sample(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260C.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/matrix spike duplicate analysis. Lab fortified blanks were analyzed. All percent recoveries were within or above QC limits except for a 66% recovery for 1,2-dibromo-3-chloropropane in LFB101614.

Sample SSBR-19 (1-5) was re-analyzed at a dilution due to the concentration of a targeted analyte above the calibration range. Both sets of data are submitted.

Low levels of methylene chloride and acetone were present in the method blanks. These analytes were flagged with a "B" qualifier if present in samples associated with these blanks.

In the initial calibration, average response factors were employed for most analytes, and regression function(s) was/were used for the compound(s) with an RSD above 20%. Variability criteria for the continuous calibration check (CCV) are flagged with a "Z" qualifier is %D's are above 20%.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 3, 2014

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Joann M. Slavin
General Manager

Pace Long Island

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fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ANALYSES
SAMPLE(S) RECEIVED: 10/6/14
SDG #: GNF001

For Sample(s):

SSBR-18 (1-5)	SSBR-19 (5-10)	SSBR-20 (10-15)
SSBR-18 (5-10)	SSBR-19 (10-15)	SSBR-21 (1-5)
SSBR-18 (10-15)	SSBR-20 (1-5)	SSBR-21 (5-10)
SSBR-19 (1-5)	SSBR-20 (5-10)	SSBR-21 (10-15)

The above sample(s) was/were analyzed for a select list of base/neutral extractables by EPA method 8270D.in accordance with the NYSDEC ASP, Rev. 7/2005, Category A.

All Q.C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

In the initial calibrations, average response factors were employed for the compounds with RSDs up to 20%. The variability %D for pentachlorophenol in the CCV also exceeded 20%. These results are flagged with a "Z" qualifier indicating that they are regarded estimated.

No matrix spike/matrix spike duplicate was submitted. A lab fortified blank was analyzed and indicates good method efficiency. Samples SSBR-20 (5-10), SSBR-21 (1-5) and SSBR-21 (5-10) were reanalyzed due to internal standard area counts outside of QC limits. The reinjection had similar internal standard area count.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: October 27, 2014

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General Manager

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SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 10/6/14
SDG #: GNF001

For Sample(s):

SSBR-18 (1-5)	SSBR-20 (1-5)
SSBR-18 (5-10)	SSBR-20 (5-10)
SSBR-18 (10-15)	SSBR-20 (10-15)
SSBR-19 (1-5)	SSBR-21 (1-5)
SSBR-19 (5-10)	SSBR-21 (5-10)
SSBR-19 (10-15)	SSBR-21 (10-15)

The above soil sample(s) was/were analyzed for pesticides and aroclors by methods 8081A and 8082 in accordance with the NYSDEC ASP, Rev. 7/2005 and reported with the requested deliverables.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

The concentrates were split and analyzed separately for pesticides and PCBs. The aliquots for aroclors analysis were cleaned up with sulfuric acid and TBA for sulfur removal. These aliquots for aroclors analysis are reported with an "A" suffix.

No matrix spike/ matrix spike duplicate was submitted.

Lab fortified blanks were analyzed, and recoveries indicate good method efficiency.

In the continuing calibration verification (CCV) INDAM13 was above 15% for 4,4'-DDD. The DDT breakdown in PEMO5 was greater than 15% due to sample SSBR-20 (5-10).

Sample SSBR-20 (5-10) and SSBR-20 (5-10)A were re-extracted due to low surrogate recovery. The re-extracts had acceptable surrogate recoveries.

Positives are reported to the practical detection limits of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 5, 2014

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General Manager

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fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSIS
SAMPLE(S) RECEIVED: 10/6/14
SDG#: GNF001

For Sample(s):

SSBR-18 (1-5)	SSBR-20 (1-5)
SSBR-18 (5-10)	SSBR-20 (5-10)
SSBR-18 (10-15)	SSBR-20 (10-15)
SSBR-19 (1-5)	SSBR-21 (1-5)
SSBR-19 (5-10)	SSBR-21 (5-10)
SSBR-19 (10-15)	SSBR-21 (10-15)

The above soil sample(s) was/were analyzed for a select list of herbicides by method 8151A and reported according to the requirements of the NYS DEC ASP, Rev. 2005, Category A.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

Sample SSBR-18 (1-5) was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPD's were met. A lab fortified blank was analyzed and indicates good method efficiency.

Positives are reported to the practical detection limit (PDL) of half of the reporting limit (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: October 27, 2014

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Joann M. Slavin
General Manager

Pace Long Island

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 10/6/14
SDG #: GNF001

For Sample(s):

SSBR-18 (1-5)	SSBR-20 (1-5)
SSBR-18 (5-10)	SSBR-20 (5-10)
SSBR-18 (10-15)	SSBR-20 (10-15)
SSBR-19 (1-5)	SSBR-21 (1-5)
SSBR-19 (5-10)	SSBR-21 (5-10)
SSBR-19 (10-15)	SSBR-21 (10-15)

The above water sample(s) was/were received by Pace Analytical Services Inc. for analysis of TCL metals and mercury. The samples were prepared and analyzed by EPA method 6010C with a TS ICAP 6000 instrument and EPA method 7470A with a Leeman HYDRA mercury analyzer.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SSBR-18 (1-5) was selected for batch Q. C. analysis and reporting.

Spike analysis results did not meet acceptance criteria for selenium and silver. The sample was post spiked, reanalyzed and recoveries was 69.8% for silver and 100% for selenium. Silver data were flagged with the qualifier "N" on forms 1 and 5A.

The duplicate analysis RPD was high for manganese. Manganese results are flagged with an * on forms I and VI.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: October 30, 2014

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II. NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: GNF001

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		GCSEMI	ME	MSSEMI	MSVOA	SUBPACE
SSBR-18 (1-5)	1410459-001	X	X	X	X	X
SSBR-18 (5-10)	1410459-002	X	X	X	X	X
SSBR-18 (10-15)	1410459-003	X	X	X	X	X
SSBR-19 (1-5)	1410459-004	X	X	X	X	X
SSBR-19 (5-10)	1410459-005	X	X	X	X	X
SSBR-19 (10-15)	1410459-006	X	X	X	X	X
SSBR-20 (1-5)	1410459-007	X	X	X	X	X
SSBR-20 (5-10)	1410459-008	X	X	X	X	X
SSBR-20 (10-15)	1410459-009	X	X	X	X	X
SSBR-21 (1-5)	1410459-010	X	X	X	X	X
SSBR-21 (5-10)	1410459-011	X	X	X	X	X
SSBR-21 (10-15)	1410459-012	X	X	X	X	X

CLP, ~~Non-CLP~~ (Please indicate year of protocol)
TCL/TAL, HSL, Priority Pollutant,

ASP A. 2005
BC 11-10-14

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: GNF001

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410459-001A	SSBR-18 (1-5)	Soil	ASPB8260	06-Oct-14	06-Oct-14		09-Oct-14		1	LOW	
1410459-002A	SSBR-18 (5-10)	Soil	ASPB8260	06-Oct-14	06-Oct-14		09-Oct-14		1	LOW	
1410459-003A	SSBR-18 (10-15)	Soil	ASPB8260	06-Oct-14	06-Oct-14		09-Oct-14		1	LOW	
1410459-004A	SSBR-19 (1-5)	Soil	ASPB8260	06-Oct-14	06-Oct-14		09-Oct-14		1	LOW	
1410459-004ADL	SSBR-19 (1-5)DL	Soil	ASPB8260	06-Oct-14	06-Oct-14		10-Oct-14		5	LOW	
1410459-005A	SSBR-19 (5-10)	Soil	ASPB8260	06-Oct-14	06-Oct-14		09-Oct-14		1	LOW	
1410459-006A	SSBR-19 (10-15)	Soil	ASPB8260	06-Oct-14	06-Oct-14		09-Oct-14		1	LOW	
1410459-007A	SSBR-20 (1-5)	Soil	ASPB8260	06-Oct-14	06-Oct-14		09-Oct-14		1	LOW	
1410459-008A	SSBR-20 (5-10)	Soil	ASPB8260	06-Oct-14	06-Oct-14		09-Oct-14		1	LOW	
1410459-009A	SSBR-20 (10-15)	Soil	ASPB8260	06-Oct-14	06-Oct-14		10-Oct-14		1	LOW	
1410459-010A	SSBR-21 (1-5)	Soil	ASPB8260	06-Oct-14	06-Oct-14		10-Oct-14		1	LOW	
1410459-011A	SSBR-21 (5-10)	Soil	ASPB8260	06-Oct-14	06-Oct-14		10-Oct-14		1	LOW	
1410459-012A	SSBR-21 (10-15)	Soil	ASPB8260	06-Oct-14	06-Oct-14		10-Oct-14		1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

SDG: GNF001

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410459-001B	SSBR-18(1-5)	Soil	SW8270	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	
1410459-002B	SSBR-18(5-10)	Soil	SW8270	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	
1410459-003B	SSBR-18(10-15)	Soil	SW8270	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	
1410459-004B	SSBR-19(1-5)	Soil	SW8270	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	
1410459-005B	SSBR-19(5-10)	Soil	SW8270	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	
1410459-006B	SSBR-19(10-15)	Soil	SW8270	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	
1410459-007B	SSBR-20(1-5)	Soil	SW8270	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	
1410459-008B	SSBR-20(5-10)	Soil	SW8270	06-Oct-14	06-Oct-14	07-Oct-14	10-Oct-14	PFEX	1	LOW	
1410459-008BRE	SSBR-20(5-10)RE	Soil	SW8270	06-Oct-14	06-Oct-14	07-Oct-14	14-Oct-14	PFEX	1	LOW	
1410459-009B	SSBR-20(10-15)	Soil	SW8270	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	
1410459-010B	SSBR-21(1-5)	Soil	SW8270	06-Oct-14	06-Oct-14	07-Oct-14	10-Oct-14	PFEX	1	LOW	
1410459-010BRE	SSBR-21(1-5)RE	Soil	SW8270	06-Oct-14	06-Oct-14	07-Oct-14	14-Oct-14	PFEX	1	LOW	
1410459-011B	SSBR-21(5-10)	Soil	SW8270	06-Oct-14	06-Oct-14	07-Oct-14	10-Oct-14	PFEX	1	LOW	
1410459-011BRE	SSBR-21(5-10)RE	Soil	SW8270	06-Oct-14	06-Oct-14	07-Oct-14	14-Oct-14	PFEX	1	LOW	
1410459-012B	SSBR-21(10-15)	Soil	SW8270	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF001

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410459-001b	SSBR-18 (1-5)A	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410459-001b	SSBR-18 (1-5)	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	10-Oct-14	PFEX	1	LOW	
1410459-002b	SSBR-18 (5-10)A	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410459-002b	SSBR-18 (5-10)	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	
1410459-003b	SSBR-18 (10-15)	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	
1410459-003b	SSBR-18 (10-15)A	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410459-004b	SSBR-19 (1-5)	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	
1410459-004b	SSBR-19 (1-5)A	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410459-005b	SSBR-19 (5-10)A	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410459-005b	SSBR-19 (5-10)	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	
1410459-006b	SSBR-19 (10-15)	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	
1410459-006b	SSBR-19 (10-15)A	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410459-007b	SSBR-20 (1-5)	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	
1410459-007b	SSBR-20 (1-5)A	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410459-008b	SSBR-20 (5-10)A	Soil	SW8081/8082	06-Oct-14	06-Oct-14	14-Oct-14	09-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410459-008b	SSBR-20 (5-10)	Soil	SW8081/8082	06-Oct-14	06-Oct-14	14-Oct-14	10-Oct-14	PFEX	1	LOW	
1410459-008b	SSBR-20 (5-10)RE	Soil	SW8081/8082	06-Oct-14	06-Oct-14	17-Oct-14	23-Oct-14	PFEX	1	LOW	
1410459-008B	SSBR-20 (5-10)REA	Soil	SW8081/8082	06-Oct-14	06-Oct-14	14-Oct-14	16-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410459-009b	SSBR-20 (10-15)	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	
1410459-009b	SSBR-20 (10-15)A	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410459-010b	SSBR-21 (1-5)A	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410459-010b	SSBR-21 (1-5)	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	10-Oct-14	PFEX	1	LOW	
1410459-011b	SSBR-21 (5-10)A	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410459-011b	SSBR-21 (5-10)	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	10-Oct-14	PFEX	1	LOW	
1410459-012b	SSBR-21 (10-15)A	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	SLFR H2SO4
1410459-012b	SSBR-21 (10-15)	Soil	SW8081/8082	06-Oct-14	06-Oct-14	07-Oct-14	09-Oct-14	PFEX	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB/HERB
ANALYSES

SDG: GNF001

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1410459-001B	SSBR-18 (1-5)	Soil	SW8151	06-Oct-14	06-Oct-14	08-Oct-14	10-Oct-14	Shake/SEPF	1	LOW	
1410459-001Bms	SSBR-18 (1-5)MS	Soil	SW8151	06-Oct-14	06-Oct-14	08-Oct-14	10-Oct-14	Shake/SEPF	1	LOW	
1410459-001Bmsd	SSBR-18 (1-5)MSD	Soil	SW8151	06-Oct-14	06-Oct-14	08-Oct-14	10-Oct-14	Shake/SEPF	1	LOW	
1410459-002B	SSBR-18 (5-10)	Soil	SW8151	06-Oct-14	06-Oct-14	08-Oct-14	10-Oct-14	Shake/SEPF	1	LOW	
1410459-003B	SSBR-18 (10-15)	Soil	SW8151	06-Oct-14	06-Oct-14	08-Oct-14	10-Oct-14	Shake/SEPF	1	LOW	
1410459-004B	SSBR-19 (1-5)	Soil	SW8151	06-Oct-14	06-Oct-14	08-Oct-14	10-Oct-14	Shake/SEPF	1	LOW	
1410459-005B	SSBR-19 (5-10)	Soil	SW8151	06-Oct-14	06-Oct-14	08-Oct-14	10-Oct-14	Shake/SEPF	1	LOW	
1410459-006B	SSBR-19 (10-15)	Soil	SW8151	06-Oct-14	06-Oct-14	08-Oct-14	10-Oct-14	Shake/SEPF	1	LOW	
1410459-007B	SSBR-20 (1-5)	Soil	SW8151	06-Oct-14	06-Oct-14	08-Oct-14	10-Oct-14	Shake/SEPF	1	LOW	
1410459-008B	SSBR-20 (5-10)	Soil	SW8151	06-Oct-14	06-Oct-14	08-Oct-14	10-Oct-14	Shake/SEPF	1	LOW	
1410459-009B	SSBR-20 (10-15)	Soil	SW8151	06-Oct-14	06-Oct-14	08-Oct-14	10-Oct-14	Shake/SEPF	1	LOW	
1410459-010B	SSBR-21 (1-5)	Soil	SW8151	06-Oct-14	06-Oct-14	08-Oct-14	10-Oct-14	Shake/SEPF	1	LOW	
1410459-011B	SSBR-21 (5-10)	Soil	SW8151	06-Oct-14	06-Oct-14	08-Oct-14	10-Oct-14	Shake/SEPF	1	LOW	
1410459-012B	SSBR-21 (10-15)	Soil	SW8151	06-Oct-14	06-Oct-14	08-Oct-14	10-Oct-14	Shake/SEPF	1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

SDG : GNF001

Laboratory Samp ID	Client Sample ID	Matrix	Metals Requested	DateRecd at Lab	Date Analyzed
1410459-001	SSBR-18 (1-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	06-Oct-14	10/14
1410459-001DUP	SSBR-18 (1-5)D	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	06-Oct-14	10/14
1410459-001MS	SSBR-18 (1-5)S	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	06-Oct-14	10/14
1410459-002	SSBR-18 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	06-Oct-14	10/14
1410459-003	SSBR-18 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	06-Oct-14	10/14
1410459-004	SSBR-19 (1-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	06-Oct-14	10/14
1410459-005	SSBR-19 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	06-Oct-14	10/14
1410459-006	SSBR-19 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	06-Oct-14	10/14
1410459-007	SSBR-20 (1-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	06-Oct-14	10/14
1410459-008	SSBR-20 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	06-Oct-14	10/14
1410459-009	SSBR-20 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	06-Oct-14	10/14
1410459-010	SSBR-21 (1-5)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	06-Oct-14	10/14
1410459-011	SSBR-21 (5-10)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	06-Oct-14	10/14
1410459-012	SSBR-21 (10-15)	SOIL	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,HG,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN,	06-Oct-14	10/14

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

III. CHAIN OF CUSTODY FORMS

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04931

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF001

PROJECT NAME/NUMBER: GARVIES POINT / GLEN COVE

SAMPLERS: (Signature)/Client
GANNETT FLEMING
100 CROSSWAYS PARK DRIVE WEST
WOODBURY, NY 11797

DELIVERABLES:

TURNAROUND TIME:

NOTES: 0.9°C

Project Contact: VINCENT FRISINA
vfrisina@gfnet.com

Phone Number: 516-364-4140 EXT. 1323

PIS/Quote #

Sample Container Description: TEFLON CAP VOAs; 4 oz. JAR; 2 oz JAR; 8 oz. JAR

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOCs PEST/PCBs/HERB.	METALS	PHC/Petroleum	LAB I.D. NO.	REMARKS:
10/6/14	8:49	SL	SSBR-21 (1-5)	7	4	1	1	1	1410459-010	
10/6/14	9:01	SL	SSBR-21 (5-10)	7	4	1	1	1	-011	
10/6/14	9:20	SL	SSBR-21 (10-15)	7	4	1	1	1	-012	
10/6/14	9:50	SL	SSBR-20 (1-5)	7	4	1	1	1	-007	
10/6/14	9:55	SL	SSBR-20 (5-10)	7	4	1	1	1	-008	
10/6/14	10:10	SL	SSBR-20 (10-15)	7	4	1	1	1	-009	
10/6/14	11:00	SL	SSBR-19 (1-5)	7	4	1	1	1	-004	
10/6/14	11:10	SL	SSBR-19 (5-10)	7	4	1	1	1	-005	
10/6/14	11:25	SL	SSBR-19 (10-15)	7	4	1	1	1	-006	
10/6/14	12:10	SL	SSBR-18 (1-5)	7	4	1	1	1	-001	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/6/14	1615	[signature]	10/6/14	1615
[signature]	10/6/14	1545	[signature]	10-6-14	1545
			MCW 10-7-14		
[signature]	10-6-14	1615	[signature]	10-6-14	1615

LABORATORY USE ONLY

Samples were:
1. Shipped ____ or Hand Delivered ✓ Airbill # _____

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF001 S16

H2M labs
575 Broad Hollow Rd., Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

04932

EXTERNAL CHAIN OF CUSTODY

CLIENT:

H2M SDG NO: GNF001

PROJECT NAME/NUMBER
GARVIES POINT / GLEN COVE

SAMPLERS: (Signature)/Client
GANNETT FLEMING
100 CROSSWAYS PARK DRIVE WEST
WOODBURY NY, 11797

DELIVERABLES:

TURNAROUND TIME:
STANDARD

NOTES:
0.9°C

Project Contact:
VINCENT FRISINA
vfrisina@gfnet.com

Phone Number:
(516) 364-4140
EXT. 1323

PIS/Quote #

Sample Container Description	TERRA CORE - VOAs	4 oz JAR	2 oz JAR	8 oz JAR

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	VOCs	SVOC/PEST PCBS/HERB	METALS	RADIOLOGICALS	LAB I.D. NO.	REMARKS:
10/6/14	12:23	SL	SSBR-18 (5-10)	7	4	1	1	1	1410459-002	
10/6/14	12:35	SL	SSBR-18 (10-15)	7	4	1	1	1	↓ 003	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	10/6/14	16:15	[signature]	10/6/14	16:15
[signature]	10/6/14	1545	[signature]	10-6-14	1545
[signature]			[signature] 10-7-14		
[signature]	10-6-14	1615	[signature]	10-6-14	16:15

LABORATORY USE ONLY
Samples were:
1. Shipped ____ or Hand Delivered ✓ Airbill # _____
COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

GNF001 S17

Pace Analytical™

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

GNF001

Sample Receipt Checklist

Client Name GNF

Date and Time Received: 10/6/2014 4:15:00 PM

Work Order Number: 1410459 RcptNo: 1

Received by MelissaWatson

Completed by: M. Watson

Reviewed by: [signature]

Completed Date: 10/7/2014 7:27:47 PM

Reviewed Date: 10/13/2014 2:20:32 PM

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	0.9 °
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF001 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: ~~B05-70D~~ B05-10 DRL 10-31-14 TURN AROUND TIME: 21 DAYS

SDG: GNF001 CASE#: _____ MATRIX: Soil pH CHECK Y or (N)

REMARKS: _____

RECEIVED BY: MCW SIGNATURE: [signature] DATE: 10-6-14 TIME: 1615

ACCESSIONED 10-7-14

	CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1.	SSBR-18 (1-5)	1410459 001A	10-6-14	D, AA	3, 1	8260S_SUFF(SEL)
2.	(5-10)	002				
3.	(10-15)	003				
4.	19 (1-5)	004				
5.	(5-10)	005				
6.	(10-15	006				
7.	20 (1-5)	007				
8.	(5-10)	008				
9.	(10-15)	009				
10.	21 (1-5)	010				
11.	(5-10)	011				
12.	(10-15)	012				
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

MCW 10-7-14

CLIENT: GNF

SDG: GNF001

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10-7-14	1500	[illegible]	[illegible]	D,AA	ANALYSIS	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-700 TURN AROUND TIME: 21 DAYS

SDG: GNF001 CASE#: _____ MATRIX: Soil pH CHECK Y or N

REMARKS: _____

RECEIVED BY: MAW SIGNATURE: [signature] DATE: 10-6-14 TIME: 1615

ACCESSIONED 10-7-14

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-18 (1-5)	1410459 001B	10-6-14	B	1	8081/8082-S(SEL), 8151_S(SEL), 8270_S TCL(SEL)
2. (5-10)	002				
3. (10-15)	003				
4. 19 (1-5)	004				
5. (5-10)	005				
6. (10-15)	006				
7. 20 (1-5)	007				
8. (5-10)	008				
9. (10-15)	009				
10. 21 (1-5)	010				
11. (5-10)	011				
12. (10-15)	012				
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MAW 10-7-14

CLIENT: GNF

SDG: GNF001

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10-7-14	1500	[illegible]	[illegible]	B	PREP	
10/8/14	11:00	[illegible]	[illegible]	B	Prep/Storage	
10/8/14	13:51	[illegible]	[illegible]	All E 8270-S	Analysis	
10/8/14	18:50	[illegible]	[illegible]	All E 8152-S	Analysis	
10/9/14	23:36	[illegible]	[illegible]	All E 8151-S	Analysis	

INTERNAL CHAIN OF CUSTODY

CLIENT: GNF DELIVERABLES: BOS-TOD TURN AROUND TIME: 21 DAYS

SDG: GNF001 CASE#: _____ MATRIX: Soil pH CHECK Y or (N)

REMARKS: _____

RECEIVED BY: MCW SIGNATURE: M.W. DATE: 10-6-14 TIME: 1615

ACCESSIONED 10-7-14

CLIENT SAMPLE ID	LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1. SSBR-18 (1-5)	1410459 001C	10-6-14	A	1	TCLMPKG-S PMOIST
2. (5-10)	002				
3. (10-15)	003				
4. -19 (1-5)	004				
5. (5-10) ~~(10-15)~~ MCW 10-7-14	005				
6. (10-15)	006				
7. -20 (1-5)	007				
8. (5-10)	008				
9. (10-15)	009				
10. -21 (1-5)	010				
11. (5-10)	011				
12. (10-15)	012				
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

MCW 10-7-14

CLIENT: GNF

SDG: GNF001

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
10-7-14	1500	[illegible]	Matt [illegible]	A	DIG	
10/22/14	13:00	Matt [illegible]	Hamanathan	DIGS	Analysis	

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

IV. ANALYTICAL FORM I'S:

A. VOLATILES
B. SEMIVOLATILES
C. PESTICIDES/PCBs
D. HERBICIDES
E. METALS

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel. 631.694.3040
fax. 631.420.8436

A. VOLATILES

575 Broad Hollow Road
Melville, NY 11747

tel: 631.694.3040
fax: 631.420.8436

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(300\ U)}{D} \text{ x df where } D = \frac{100\%moisture}{100}$$

and df - dilution factor

$$\text{For example, at 24\% moisture, } D = \frac{100-24}{100} = 0.76$$

$$\frac{(300\ U)}{.76} \text{ x 10 - 4300 U rounded to the appropriate number of significant figures}$$

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 µg/L and a concentration of 3 µg/L is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported of Form I with a "P".

C - This flag applies to pesticide results when the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory defined flag, discussed below.

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tel: 631.694.3040
fax: 631.420.8436

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identified compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration ranges in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g. a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceed 200 µg/L or the peak representing the two coeluting isomers on that GC column exceed 400 µg/L. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceed 400 µg/L.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - Other specific flags may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, used the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The laboratory defined flags limited to the letters "X", "Y" and "Z".

Z - This flag identifies compounds that have positive results and a %D greater than 20% in the CCV on the day of analysis. This flag is also used to identify compounds that have positive results and a %RSD greater than 20% in the initial calibration and for which no alternative calibration curves (e.g. linear regression, quadratic) passed acceptance criteria. These results are regarded as estimated.

The combination of flags "BU' or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-18 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-001A

Sample wt/vol: 4.18 (g/mL) g Lab File ID: F67824.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: not dec. 13 Date Analyzed: 10/09/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	210	U
75-01-4	Vinyl chloride	14	U
75-35-4	1,1-Dichloroethene	14	U
67-64-1	Acetone	5	BJ
75-09-2	Methylene chloride	2	BJ
156-60-5	trans-1,2-Dichloroethene	14	U
1634-04-4	Methyl tert-butyl ether	14	U
75-34-3	1,1-Dichloroethane	14	U
156-59-2	cis-1,2-Dichloroethene	14	U
78-93-3	2-Butanone	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon tetrachloride	14	U
71-43-2	Benzene	14	U
107-06-2	1,2-Dichloroethane	14	U
79-01-6	Trichloroethene	14	U
108-88-3	Toluene	14	U
127-18-4	Tetrachloroethene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
1330-20-7	Xylene (total)	14	U
98-82-8	Isopropylbenzene	14	U
103-65-1	n-Propylbenzene	14	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	14	U
98-06-6	tert-Butylbenzene	14	U
95-63-6	1,2,4-Trimethylbenzene	14	U
135-98-8	sec-Butylbenzene	14	U
99-87-6	4-Isopropyltoluene	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
104-51-8	n-Butylbenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-18 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-002A

Sample wt/vol: 5.81 (g/mL) g Lab File ID: F67825.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: not dec. 14 Date Analyzed: 10/09/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	5	BJ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-18 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-003A

Sample wt/vol: 6.39 (g/mL) g Lab File ID: F67826.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: not dec. 11 Date Analyzed: 10/09/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	12	B
75-09-2	Methylene chloride	9	U
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U
78-93-3	2-Butanone	1	J
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-004A

Sample wt/vol: 5.42 (g/mL) g Lab File ID: F67827.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: not dec. 11 Date Analyzed: 10/09/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	6	BJ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	2	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	3	J
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	220	E
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19 (1-5)DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-004ADL

Sample wt/vol: 1.0 (g/mL) g Lab File ID: F67851.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: not dec. 11 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 5.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	840	U
75-01-4	Vinyl chloride	56	U
75-35-4	1,1-Dichloroethene	56	U
67-64-1	Acetone	28	DBJ
75-09-2	Methylene chloride	56	U
156-60-5	trans-1,2-Dichloroethene	56	U
1634-04-4	Methyl tert-butyl ether	56	U
75-34-3	1,1-Dichloroethane	56	U
156-59-2	cis-1,2-Dichloroethene	56	U
78-93-3	2-Butanone	56	U
67-66-3	Chloroform	56	U
71-55-6	1,1,1-Trichloroethane	56	U
56-23-5	Carbon tetrachloride	56	U
71-43-2	Benzene	56	U
107-06-2	1,2-Dichloroethane	56	U
79-01-6	Trichloroethene	56	U
108-88-3	Toluene	56	U
127-18-4	Tetrachloroethene	290	D
108-90-7	Chlorobenzene	56	U
100-41-4	Ethylbenzene	56	U
1330-20-7	Xylene (total)	56	U
98-82-8	Isopropylbenzene	56	U
103-65-1	n-Propylbenzene	56	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	56	U
98-06-6	tert-Butylbenzene	56	U
95-63-6	1,2,4-Trimethylbenzene	56	U
135-98-8	sec-Butylbenzene	56	U
99-87-6	4-Isopropyltoluene	56	U
541-73-1	1,3-Dichlorobenzene	56	U
106-46-7	1,4-Dichlorobenzene	56	U
104-51-8	n-Butylbenzene	56	U
95-50-1	1,2-Dichlorobenzene	56	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-005A

Sample wt/vol: 6.40 (g/mL) g Lab File ID: F67828.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: not dec. 9.8 Date Analyzed: 10/09/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	9	U
75-35-4	1,1-Dichloroethene	9	U
67-64-1	Acetone	4	BJ
75-09-2	Methylene chloride	0.9	BJ
156-60-5	trans-1,2-Dichloroethene	9	U
1634-04-4	Methyl tert-butyl ether	9	U
75-34-3	1,1-Dichloroethane	9	U
156-59-2	cis-1,2-Dichloroethene	2	J
78-93-3	2-Butanone	9	U
67-66-3	Chloroform	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
71-43-2	Benzene	9	U
107-06-2	1,2-Dichloroethane	9	U
79-01-6	Trichloroethene	9	U
108-88-3	Toluene	9	U
127-18-4	Tetrachloroethene	0.9	J
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (total)	9	U
98-82-8	Isopropylbenzene	9	U
103-65-1	n-Propylbenzene	9	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	9	U
98-06-6	tert-Butylbenzene	9	U
95-63-6	1,2,4-Trimethylbenzene	9	U
135-98-8	sec-Butylbenzene	9	U
99-87-6	4-Isopropyltoluene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
104-51-8	n-Butylbenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-006A

Sample wt/vol: 6.61 (g/mL) g Lab File ID: F67829.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: not dec. 10 Date Analyzed: 10/09/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	130	U
75-01-4	Vinyl chloride	3	J
75-35-4	1,1-Dichloroethene	8	U
67-64-1	Acetone	3	BJ
75-09-2	Methylene chloride	0.9	BJ
156-60-5	trans-1,2-Dichloroethene	8	U
1634-04-4	Methyl tert-butyl ether	8	U
75-34-3	1,1-Dichloroethane	8	U
156-59-2	cis-1,2-Dichloroethene	61	
78-93-3	2-Butanone	8	U
67-66-3	Chloroform	8	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon tetrachloride	8	U
71-43-2	Benzene	8	U
107-06-2	1,2-Dichloroethane	8	U
79-01-6	Trichloroethene	2	J
108-88-3	Toluene	8	U
127-18-4	Tetrachloroethene	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
1330-20-7	Xylene (total)	8	U
98-82-8	Isopropylbenzene	8	U
103-65-1	n-Propylbenzene	8	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	8	U
98-06-6	tert-Butylbenzene	8	U
95-63-6	1,2,4-Trimethylbenzene	8	U
135-98-8	sec-Butylbenzene	8	U
99-87-6	4-Isopropyltoluene	8	U
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
104-51-8	n-Butylbenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-007A

Sample wt/vol: 5.57 (g/mL) g Lab File ID: F67830.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: not dec. 8.3 Date Analyzed: 10/09/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	150	U
75-01-4	Vinyl chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	3	BJ
75-09-2	Methylene chloride	1	BJ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-88-3	Toluene	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
98-82-8	Isopropylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
98-06-6	tert-Butylbenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
99-87-6	4-Isopropyltoluene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
104-51-8	n-Butylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-008A

Sample wt/vol: 5.39 (g/mL) g Lab File ID: F67831.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: not dec. 18 Date Analyzed: 10/09/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	170	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	6	BJ
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	5	J
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-009A

Sample wt/vol: 7.15 (g/mL) g Lab File ID: F67833.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: not dec. 11 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	120	U
75-01-4	Vinyl chloride	8	U
75-35-4	1,1-Dichloroethene	8	U
67-64-1	Acetone	2	BJ
75-09-2	Methylene chloride	8	U
156-60-5	trans-1,2-Dichloroethene	8	U
1634-04-4	Methyl tert-butyl ether	8	U
75-34-3	1,1-Dichloroethane	8	U
156-59-2	cis-1,2-Dichloroethene	4	J
78-93-3	2-Butanone	8	U
67-66-3	Chloroform	8	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon tetrachloride	8	U
71-43-2	Benzene	8	U
107-06-2	1,2-Dichloroethane	8	U
79-01-6	Trichloroethene	8	U
108-88-3	Toluene	8	U
127-18-4	Tetrachloroethene	1	J
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
1330-20-7	Xylene (total)	8	U
98-82-8	Isopropylbenzene	8	U
103-65-1	n-Propylbenzene	8	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	8	U
98-06-6	tert-Butylbenzene	8	U
95-63-6	1,2,4-Trimethylbenzene	8	U
135-98-8	sec-Butylbenzene	8	U
99-87-6	4-Isopropyltoluene	8	U
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
104-51-8	n-Butylbenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-010A

Sample wt/vol: 3.94 (g/mL) g Lab File ID: F67834.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: not dec. 4.9 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	200	U
75-01-4	Vinyl chloride	13	U
75-35-4	1,1-Dichloroethene	13	U
67-64-1	Acetone	5	BJ
75-09-2	Methylene chloride	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-butyl ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon tetrachloride	13	U
71-43-2	Benzene	13	U
107-06-2	1,2-Dichloroethane	13	U
79-01-6	Trichloroethene	13	U
108-88-3	Toluene	13	U
127-18-4	Tetrachloroethene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	Xylene (total)	13	U
98-82-8	Isopropylbenzene	13	U
103-65-1	n-Propylbenzene	13	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	13	U
98-06-6	tert-Butylbenzene	13	U
95-63-6	1,2,4-Trimethylbenzene	13	U
135-98-8	sec-Butylbenzene	13	U
99-87-6	4-Isopropyltoluene	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
104-51-8	n-Butylbenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-011A

Sample wt/vol: 4.95 (g/mL) g Lab File ID: F67835.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: not dec. 5.4 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	6	BJ
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-012A

Sample wt/vol: 5.42 (g/mL) g Lab File ID: F67836.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: not dec. 13 Date Analyzed: 10/10/14

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
123-91-1	1,4-Dioxane	160	U
75-01-4	Vinyl chloride	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	4	BJ
75-09-2	Methylene chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-butyl ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
108-88-3	Toluene	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
98-82-8	Isopropylbenzene	11	U
103-65-1	n-Propylbenzene	11	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	11	U
135-98-8	sec-Butylbenzene	11	U
99-87-6	4-Isopropyltoluene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U

Pace Long Island

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B. SEMIVOLATILES

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-18(1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-001B

Sample wt/vol: 15.09 (g/mL) g Lab File ID: R24847.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/09/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-18(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-002B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R24841.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/09/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	280	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-18(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-003B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R24842.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/09/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19(1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-004B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R24848.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/09/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-005B

Sample wt/vol: 15.06 (g/mL) g Lab File ID: R24843.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: 9.8 Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/09/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-006B

Sample wt/vol: 15.02 (g/mL) g Lab File ID: R24844.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/09/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20(1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-007B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: R24849.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: 8.3 Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/09/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	260	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-008B

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R24850.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/10/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
132-64-9	Dibenzofuran	400	U
86-73-7	Fluorene	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20(5-10)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-008BRE

Sample wt/vol: 15.07 (g/mL) g Lab File ID: R24921.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
132-64-9	Dibenzofuran	400	U
86-73-7	Fluorene	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-009B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R24845.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/09/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
132-64-9	Dibenzofuran	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21(1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-010B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: R24851.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: 4.9 Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/10/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	150	J
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	84	J
205-99-2	Benzo(b)fluoranthene	74	J
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21(1-5)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-010BRE

Sample wt/vol: 15.05 (g/mL) g Lab File ID: R24922.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: 4.9 Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	150	J
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	170	J
129-00-0	Pyrene	150	J
56-55-3	Benzo(a)anthracene	71	J
218-01-9	Chrysene	85	J
205-99-2	Benzo(b)fluoranthene	80	J
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21(5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-011B

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R24852.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: 5.4 Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/10/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21(5-10)RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-011BRE

Sample wt/vol: 15.01 (g/mL) g Lab File ID: R24923.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: 5.4 Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/14/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	350	U
95-48-7	2-Methylphenol	350	U
106-44-5	4-Methylphenol	350	U
91-20-3	Naphthalene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
86-73-7	Fluorene	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21(10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-012B

Sample wt/vol: 15.04 (g/mL) g Lab File ID: R24846.D

Level: (low/med) LOW Date Received: 10/06/14

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/09/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
132-64-9	Dibenzofuran	380	U
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-46623

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: MB-46623

Sample wt/vol: 15 (g/mL) g Lab File ID: R24839.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 10/07/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/09/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
132-64-9	Dibenzofuran	330	U
86-73-7	Fluorene	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	240	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

Pace Long Island

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Melville, NY 11747

tel. 631.694.3040
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C. PESTICIDES/PCBS

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-18 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-001b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00037.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-18 (1-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-001b

Sample wt/vol: 15.08 (g/mL) g Lab File ID: a00129.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-18 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-002b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00020.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
5103-71-9	alpha-Chlordane	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-18 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-002b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00130.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-18 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-003b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00021.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-18 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-003b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00131.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-004b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00033.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19 (1-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-004b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00132.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-005b

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00024.raw

% Moisture: 9.8 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-005b

Sample wt/vol: 15.03 (g/mL) g Lab File ID: a00133.raw

% Moisture: 9.8 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-006b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00022.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-006b

Sample wt/vol: 15.01 (g/mL) g Lab File ID: a00134.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-007b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00035.raw

% Moisture: 8.3 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4´-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4´-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4´-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20 (1-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-007b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00135.raw

% Moisture: 8.3 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-008b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00036.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/14/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4´-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4´-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4´-DDT	4.0	U
5103-71-9	alpha-Chlordane	2.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20 (5-10)RES

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-008b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00393.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/17/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/23/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4´-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4´-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4´-DDT	4.0	U
5103-71-9	alpha-Chlordane	2.1	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20 (5-10)REA

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-008B

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00263.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/14/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/16/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	82	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	U
11096-82-5	Aroclor 1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-008b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00136.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/14/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	40	U
11104-28-2	Aroclor 1221	82	U
11141-16-5	Aroclor 1232	40	U
53469-21-9	Aroclor 1242	40	U
12672-29-6	Aroclor 1248	40	U
11097-69-1	Aroclor 1254	40	U
11096-82-5	Aroclor 1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-009b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00032.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-009b

Sample wt/vol: 15.04 (g/mL) g Lab File ID: a00137.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-010b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00039.raw

% Moisture: 4.9 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	2.6	
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	2.0	J
72-55-9	4,4´-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4´-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4´-DDT	3.5	U
5103-71-9	alpha-Chlordane	1.8	P

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21 (1-5)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-010b

Sample wt/vol: 15.02 (g/mL) g Lab File ID: a00145.raw

% Moisture: 4.9 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-011b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00038.raw

% Moisture: 5.4 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4´-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4´-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4´-DDT	3.5	U
5103-71-9	alpha-Chlordane	1.8	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21 (5-10)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-011b

Sample wt/vol: 15.06 (g/mL) g Lab File ID: a00142.raw

% Moisture: 5.4 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
12674-11-2	Aroclor 1016	35	U
11104-28-2	Aroclor 1221	71	U
11141-16-5	Aroclor 1232	35	U
53469-21-9	Aroclor 1242	35	U
12672-29-6	Aroclor 1248	35	U
11097-69-1	Aroclor 1254	35	U
11096-82-5	Aroclor 1260	35	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-012b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00023.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
5103-71-9	alpha-Chlordane	1.9	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21 (10-15)A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-012b

Sample wt/vol: 15.05 (g/mL) g Lab File ID: a00138.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) PFEX Date Extracted: 10/07/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/09/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

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

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

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D. HERBICIDES

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-18 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-001B

Sample wt/vol: 25.14 (g/mL) g Lab File ID: A00208.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/08/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	3.8	PJ

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-18 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-002B

Sample wt/vol: 25.11 (g/mL) g Lab File ID: A00209.raw

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/08/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.8	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-18 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-003B

Sample wt/vol: 25.13 (g/mL) g Lab File ID: A00210.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/08/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-004B

Sample wt/vol: 25.09 (g/mL) g Lab File ID: A00211.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/08/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-005B

Sample wt/vol: 25.14 (g/mL) g Lab File ID: A00212.raw

% Moisture: 9.8 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/08/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.5	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-19 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-006B

Sample wt/vol: 25.13 (g/mL) g Lab File ID: A00213.raw

% Moisture: 10 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/08/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.5	U

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EPA SAMPLE NO.

SSBR-20 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-007B

Sample wt/vol: 25.08 (g/mL) g Lab File ID: A00214.raw

% Moisture: 8.3 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/08/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.4	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-008B

Sample wt/vol: 25.02 (g/mL) g Lab File ID: A00215.raw

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/08/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	6.1	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-20 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-009B

Sample wt/vol: 25.07 (g/mL) g Lab File ID: A00216.raw

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/08/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.6	U

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EPA SAMPLE NO.

SSBR-21 (1-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-010B

Sample wt/vol: 25.13 (g/mL) g Lab File ID: A00217.raw

% Moisture: 4.9 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/08/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.2	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21 (5-10)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-011B

Sample wt/vol: 25.12 (g/mL) g Lab File ID: A00218.raw

% Moisture: 5.4 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/08/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.3	U

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HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSBR-21 (10-15)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: GNF SAS No.: _____ SDG No.: GNF001

Matrix: (soil/water) SOIL Lab Sample ID: 1410459-012B

Sample wt/vol: 25.05 (g/mL) g Lab File ID: A00219.raw

% Moisture: 13 Decanted: (Y/N) N Date Received: 10/06/14

Extraction: (Type) Shake/SEPF Date Extracted: 10/08/14

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/10/14

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 12.0 Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
93-72-1	2,4,5-TP (Silvex)	5.7	U

FORM I HERB

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E. METALS

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QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

E - Serial dilution is not within acceptance criteria or the reported value is estimated because of the presence of interference. An explanatory note is included in the SDG narrative.

N - Matrix spike sample recovery not within control limits.

* - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).

U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

P - Analyzed by ICP.
MS - Analyzed by ICP-MS
CV - Analyzed by Manual Cold Vapor techniques.
AV - Analyzed by Automated Cold Vapor techniques.
C - Analyzed by Manual Spectrophotometric Method.
CA- Analyzed by Midi-distillation Spectrophotometric Method.
NR - Analyte not Required.

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-18 (1-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF001

Matrix (soil/water): SOIL Lab Sample ID: 1410459-001

Level (low/med): LOW Date Received: 10/6/2014

% Solids: 87.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8730			P
7440-36-0	Antimony	0.87	B		P
7440-38-2	Arsenic	0.86	B		P
7440-39-3	Barium	30.6			P
7440-41-7	Beryllium	0.012	U		P
7440-43-9	Cadmium	0.023	U		P
7440-70-2	Calcium	558	B		P
7440-47-3	Chromium	16.8			P
7440-48-4	Cobalt	6.3			P
7440-50-8	Copper	9.7			P
7439-89-6	Iron	14700			P
7439-92-1	Lead	5.8			P
7439-95-4	Magnesium	1900			P
7439-96-5	Manganese	309		*	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	7.1			P
7440-09-7	Potassium	979			P
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.62	B	N	P
7440-23-5	Sodium	399	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	23.3			P
7440-66-6	Zinc	26.1			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported 10/29/2014

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-18 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF001

Matrix (soil/water): SOIL Lab Sample ID: 1410459-002

Level (low/med): LOW Date Received: 10/6/2014

% Solids: 85.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3900			P
7440-36-0	Antimony	0.52	B		P
7440-38-2	Arsenic	0.94	B		P
7440-39-3	Barium	20.4	B		P
7440-41-7	Beryllium	0.012	U		P
7440-43-9	Cadmium	0.023	U		P
7440-70-2	Calcium	384	B		P
7440-47-3	Chromium	10			P
7440-48-4	Cobalt	3.7	B		P
7440-50-8	Copper	5.2			P
7439-89-6	Iron	8980			P
7439-92-1	Lead	2.6			P
7439-95-4	Magnesium	1040			P
7439-96-5	Manganese	211		*	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	4.2	B		P
7440-09-7	Potassium	622			P
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.34	B	N	P
7440-23-5	Sodium	33.0	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	11.1			P
7440-66-6	Zinc	15.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported 10/29/2014

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-18 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF001

Matrix (soil/water): SOIL Lab Sample ID: 1410459-003

Level (low/med): LOW Date Received: 10/6/2014

% Solids: 88.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1410			P
7440-36-0	Antimony	0.33	B		P
7440-38-2	Arsenic	1.1	B		P
7440-39-3	Barium	47.0			P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	0.022	U		P
7440-70-2	Calcium	287	B		P
7440-47-3	Chromium	6.3			P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	7.6			P
7439-89-6	Iron	8620			P
7439-92-1	Lead	2.1			P
7439-95-4	Magnesium	457	B		P
7439-96-5	Manganese	44.6		*	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	2.8	B		P
7440-09-7	Potassium	327	B		P
7782-49-2	Selenium	0.27	U	N	P
7440-22-4	Silver	0.38	B	N	P
7440-23-5	Sodium	17.6	U		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	7.8			P
7440-66-6	Zinc	12.9			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported 10/29/2014

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-19 (1-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF001

Matrix (soil/water): SOIL Lab Sample ID: 1410459-004

Level (low/med): LOW Date Received: 10/6/2014

% Solids: 89.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4880			P
7440-36-0	Antimony	0.61	B		P
7440-38-2	Arsenic	0.97	B		P
7440-39-3	Barium	19.6	B		P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.022	U		P
7440-70-2	Calcium	1320			P
7440-47-3	Chromium	9.8			P
7440-48-4	Cobalt	4.1	B		P
7440-50-8	Copper	6.2			P
7439-89-6	Iron	8290			P
7439-92-1	Lead	5.8			P
7439-95-4	Magnesium	1300			P
7439-96-5	Manganese	235		*	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	4.3	B		P
7440-09-7	Potassium	542	B		P
7782-49-2	Selenium	0.26	U	N	P
7440-22-4	Silver	0.35	B	N	P
7440-23-5	Sodium	115	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	13.3			P
7440-66-6	Zinc	14.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported 10/29/2014

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-19 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF001

Matrix (soil/water): SOIL Lab Sample ID: 1410459-005

Level (low/med): LOW Date Received: 10/6/2014

% Solids: 90.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1080			P
7440-36-0	Antimony	0.35	B		P
7440-38-2	Arsenic	0.73	B		P
7440-39-3	Barium	5.3	B		P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.022	U		P
7440-70-2	Calcium	106	B		P
7440-47-3	Chromium	8.7			P
7440-48-4	Cobalt	0.97	B		P
7440-50-8	Copper	5.8			P
7439-89-6	Iron	4590			P
7439-92-1	Lead	0.86			P
7439-95-4	Magnesium	222	B		P
7439-96-5	Manganese	75.0		*	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	1.8	B		P
7440-09-7	Potassium	221	B		P
7782-49-2	Selenium	0.26	U	N	P
7440-22-4	Silver	0.19	B	N	P
7440-23-5	Sodium	17.1	U		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	3.8	B		P
7440-66-6	Zinc	5.3			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported 10/29/2014

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-19 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF001

Matrix (soil/water): SOIL Lab Sample ID: 1410459-006

Level (low/med): LOW Date Received: 10/6/2014

% Solids: 90.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	598			P
7440-36-0	Antimony	0.21	B		P
7440-38-2	Arsenic	0.27	B		P
7440-39-3	Barium	2.4	B		P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.022	U		P
7440-70-2	Calcium	39.0	B		P
7440-47-3	Chromium	2.9			P
7440-48-4	Cobalt	0.46	B		P
7440-50-8	Copper	3.3			P
7439-89-6	Iron	3500			P
7439-92-1	Lead	0.69			P
7439-95-4	Magnesium	57.8	B		P
7439-96-5	Manganese	22.8		*	P
7439-97-6	Mercury	0.017	U		CV
7440-02-0	Nickel	0.83	B		P
7440-09-7	Potassium	136	B		P
7782-49-2	Selenium	0.27	U	N	P
7440-22-4	Silver	0.16	B	N	P
7440-23-5	Sodium	17.4	U		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	2.2	B		P
7440-66-6	Zinc	3.0			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported 10/29/2014

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-20 (1-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF001

Matrix (soil/water): SOIL Lab Sample ID: 1410459-007

Level (low/med): LOW Date Received: 10/6/2014

% Solids: 91.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4760			P
7440-36-0	Antimony	0.46	B		P
7440-38-2	Arsenic	1.0	B		P
7440-39-3	Barium	33.8			P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.022	U		P
7440-70-2	Calcium	4240			P
7440-47-3	Chromium	11.4			P
7440-48-4	Cobalt	5.4			P
7440-50-8	Copper	45.6			P
7439-89-6	Iron	9360			P
7439-92-1	Lead	6.6			P
7439-95-4	Magnesium	2180			P
7439-96-5	Manganese	368		*	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	9.2			P
7440-09-7	Potassium	853			P
7782-49-2	Selenium	0.26	U	N	P
7440-22-4	Silver	0.38	B	N	P
7440-23-5	Sodium	133	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	18.0			P
7440-66-6	Zinc	18.7			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

Date Reported 10/29/2014

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-20 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF001

Matrix (soil/water): SOIL Lab Sample ID: 1410459-008

Level (low/med): LOW Date Received: 10/6/2014

% Solids: 81.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7270			P
7440-36-0	Antimony	1.1	B		P
7440-38-2	Arsenic	1.9			P
7440-39-3	Barium	46.6			P
7440-41-7	Beryllium	0.012	U		P
7440-43-9	Cadmium	0.26	B		P
7440-70-2	Calcium	11200			P
7440-47-3	Chromium	19.5			P
7440-48-4	Cobalt	9.7			P
7440-50-8	Copper	26.1			P
7439-89-6	Iron	14300			P
7439-92-1	Lead	9.7			P
7439-95-4	Magnesium	5560			P
7439-96-5	Manganese	862		*	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	14.2			P
7440-09-7	Potassium	989			P
7782-49-2	Selenium	0.29	U	N	P
7440-22-4	Silver	1.4		N	P
7440-23-5	Sodium	128	B		P
7440-28-0	Thallium	1.4			P
7440-62-2	Vanadium	21.2			P
7440-66-6	Zinc	38.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

Date Reported 10/29/2014

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-20 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF001

Matrix (soil/water): SOIL Lab Sample ID: 1410459-009

Level (low/med): LOW Date Received: 10/6/2014

% Solids: 88.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1340			P
7440-36-0	Antimony	0.37	B		P
7440-38-2	Arsenic	0.39	B		P
7440-39-3	Barium	7.7	B		P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.022	U		P
7440-70-2	Calcium	97.9	B		P
7440-47-3	Chromium	10.3			P
7440-48-4	Cobalt	0.65	B		P
7440-50-8	Copper	1.6	B		P
7439-89-6	Iron	3910			P
7439-92-1	Lead	1.4			P
7439-95-4	Magnesium	141	B		P
7439-96-5	Manganese	113		*	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	2.4	B		P
7440-09-7	Potassium	194	B		P
7782-49-2	Selenium	0.27	U	N	P
7440-22-4	Silver	0.23	B	N	P
7440-23-5	Sodium	17.4	U		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	5.8			P
7440-66-6	Zinc	5.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported 10/29/2014

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-21 (1-5)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF001

Matrix (soil/water): SOIL Lab Sample ID: 1410459-010

Level (low/med): LOW Date Received: 10/6/2014

% Solids: 95.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6070			P
7440-36-0	Antimony	0.74	B		P
7440-38-2	Arsenic	1.5			P
7440-39-3	Barium	25.1			P
7440-41-7	Beryllium	0.010	U		P
7440-43-9	Cadmium	0.42	B		P
7440-70-2	Calcium	13100			P
7440-47-3	Chromium	20.0			P
7440-48-4	Cobalt	4.8	B		P
7440-50-8	Copper	10.4			P
7439-89-6	Iron	11300			P
7439-92-1	Lead	7.4			P
7439-95-4	Magnesium	3130			P
7439-96-5	Manganese	313		*	P
7439-97-6	Mercury	0.017	U		CV
7440-02-0	Nickel	7.3			P
7440-09-7	Potassium	654			P
7782-49-2	Selenium	0.25	U	N	P
7440-22-4	Silver	1.8		N	P
7440-23-5	Sodium	268	B		P
7440-28-0	Thallium	0.95	U		P
7440-62-2	Vanadium	15.2			P
7440-66-6	Zinc	24.5			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported 10/29/2014

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-21 (5-10)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF001

Matrix (soil/water): SOIL Lab Sample ID: 1410459-011

Level (low/med): LOW Date Received: 10/6/2014

% Solids: 94.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2880			P
7440-36-0	Antimony	0.42	B		P
7440-38-2	Arsenic	0.21	B		P
7440-39-3	Barium	18.2	B		P
7440-41-7	Beryllium	0.010	U		P
7440-43-9	Cadmium	0.021	U		P
7440-70-2	Calcium	1980			P
7440-47-3	Chromium	14.9			P
7440-48-4	Cobalt	2.3	B		P
7440-50-8	Copper	5.6			P
7439-89-6	Iron	7090			P
7439-92-1	Lead	2.4			P
7439-95-4	Magnesium	968			P
7439-96-5	Manganese	160		*	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	7.9			P
7440-09-7	Potassium	767			P
7782-49-2	Selenium	0.25	U	N	P
7440-22-4	Silver	0.48	B	N	P
7440-23-5	Sodium	55.5	B		P
7440-28-0	Thallium	0.96	U		P
7440-62-2	Vanadium	6.4			P
7440-66-6	Zinc	14.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

Date Reported 10/29/2014

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SSBR-21 (10-15)

Lab Name: PACE ANALYTICAL

Lab Code: 10478 Case No. SAS No.: SDG No.: GNF001

Matrix (soil/water): SOIL Lab Sample ID: 1410459-012

Level (low/med): LOW Date Received: 10/6/2014

% Solids: 87.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	822			P
7440-36-0	Antimony	0.25	B		P
7440-38-2	Arsenic	0.20	U		P
7440-39-3	Barium	6.2	B		P
7440-41-7	Beryllium	0.011	U		P
7440-43-9	Cadmium	0.069	B		P
7440-70-2	Calcium	119	B		P
7440-47-3	Chromium	3.4			P
7440-48-4	Cobalt	0.96	B		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	2300			P
7439-92-1	Lead	0.65			P
7439-95-4	Magnesium	184	B		P
7439-96-5	Manganese	94.1		*	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	222	B		P
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.063	B	N	P
7440-23-5	Sodium	18.0	U		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	2.1	B		P
7440-66-6	Zinc	4.4			P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Date Reported 10/29/2014

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 8:05:00 AM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-001
Client Sample ID: SBOF-1

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/21/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 8:28:00 AM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-002
Client Sample ID: SSBR-1 (1-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/21/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 8:36:00 AM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-003
Client Sample ID: SSBR-1 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/21/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 9:53:00 AM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-004
Client Sample ID: SSBR-2 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/26/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 10:00:00 AM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-005
Client Sample ID: SSBR-2 (5-10)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/26/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 12/9/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 10:45:00 AM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-006
Client Sample ID: SSBR-3 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/26/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 12/9/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 10:54:00 AM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-007
Client Sample ID: SSBR-3 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/21/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 11:36:00 AM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-008
Client Sample ID: SSBR-4 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/21/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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c = Calibration acceptability criteria exceeded for this analyte
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NYSDOH ID#10478 www.pacelabs.com

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 11:47:00 AM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-009
Client Sample ID: SSBR-4 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/21/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 11:59:00 AM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-010
Client Sample ID: SSBR-4 (10-15)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/04/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/23/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 12:15:00 PM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-011
Client Sample ID: SSBR-5 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/21/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 12:24:00 PM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-012
Client Sample ID: SSBR-5 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/26/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 12:36:00 PM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-013
Client Sample ID: SSBR-5 (10-15)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/26/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 1:10:00 PM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-014
Client Sample ID: SSBR-6 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/23/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
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NYSDOH ID#10478 www.pacelabs.com

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 1:21:00 PM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-015
Client Sample ID: SSBR-6 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/26/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina

Collected : 10/21/2014 1:34:00 PM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-016
Client Sample ID: SSBR-6 (10-15)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/26/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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NYSDOH ID#10478 www.pacelabs.com

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/21/2014 1:43:00 PM
Received : 10/21/2014 4:00:00 PM
Collected By G&F99

Lab No. : 1410E14-017
Client Sample ID: SSBR-6 (15-20)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	12/04/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/21/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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Date Reported : 12/9/2014

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF** Date and Time Received: **10/21/2014 4:00:00 PM**

Work Order Number: **1410E14** RcptNo: **1** Received by **Jamie Spero**

Completed by: Reviewed by:

Completed Date: 10/21/2014 4:48:07 PM Reviewed Date: 10/26/2014 6:43:40 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	3.6 º
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF004 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1410E14

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/22/2014 7:50:00 AM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-001
Client Sample ID: SSBR-7 (0-5)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/26/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/23/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 12/4/2014

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/22/2014 8:02:00 AM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-002
Client Sample ID: SSBR-7 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/22/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/23/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Client Services Manager

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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/22/2014 8:11:00 AM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-003
Client Sample ID: SSBR-7 (10-15)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/22/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/23/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/22/2014 8:19:00 AM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-004
Client Sample ID: SSBR-7 (15-20)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/26/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/23/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/22/2014 10:00:00 AM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-005
Client Sample ID: SSBR-8 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/22/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/23/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/22/2014 10:09:00 AM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-006
Client Sample ID: SSBR-8 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/22/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/24/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

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LABORATORY RESULTS

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina

Collected : 10/22/2014 10:17:00 AM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-007
Client Sample ID: SSBR-8 (10-15)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/22/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/24/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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LABORATORY RESULTS

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/22/2014 10:25:00 AM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-008
Client Sample ID: SSBR-8 (15-20)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/22/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/24/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/22/2014 11:05:00 AM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-009
Client Sample ID: SSBR-9 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/22/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/24/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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LABORATORY RESULTS

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/22/2014 11:13:00 AM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-010
Client Sample ID: SSBR-9 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/22/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/24/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/22/2014 11:21:00 AM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-011
Client Sample ID: SSBR-9 (10-15)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/23/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/24/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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TEL: (631) 694-3040 FAX: (631) 420-8436
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LABORATORY RESULTS

Results for the samples and analytes requested

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/22/2014 11:30:00 AM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-012
Client Sample ID: SSBR-9 (15-20)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/22/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/24/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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LABORATORY RESULTS

Results for the samples and analytes requested

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/22/2014 12:37:00 PM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-013
Client Sample ID: SSBR-10 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/22/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/24/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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LABORATORY RESULTS

Results for the samples and analytes requested

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/22/2014 12:49:00 PM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-014
Client Sample ID: SSBR-10 (5-10)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/22/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/24/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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LABORATORY RESULTS

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina

Collected : 10/22/2014 12:55:00 PM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-015
Client Sample ID: SSBR-10 (10-15)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/23/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/24/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 12/4/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/22/2014 1:05:00 PM
Received : 10/22/2014 5:00:00 PM
Collected By G&F99

Lab No. : 1410F11-016
Client Sample ID: SSBR-10 (15-20)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/23/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/03/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/24/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 12/4/2014

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF** Date and Time Received: **10/22/2014 5:00:00 PM**

Work Order Number: **1410F11** RcptNo: **1** Received by **MelissaWatson**

Completed by: Reviewed by:

Completed Date: 10/24/2014 8:35:16 PM Reviewed Date: 10/27/2014 4:27:46 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	5.4 To	5.6 º
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF006 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1410F11

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/23/2014 8:11:00 AM
Received : 10/23/2014 3:30:00 PM
Collected By G&F99

Lab No. : 1410F86-001
Client Sample ID: SSBR-11 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/23/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/04/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	11/23/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 12/9/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/23/2014 8:25:00 AM
Received : 10/23/2014 3:30:00 PM
Collected By G&F99

Lab No. : 1410F86-002
Client Sample ID: SSBR-11 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/23/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/04/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	11/24/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 12/9/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/23/2014 8:34:00 AM
Received : 10/23/2014 3:30:00 PM
Collected By G&F99

Lab No. : 1410F86-003
Client Sample ID: SSBR-11 (10-15)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/23/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/04/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g	11/23/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 12/9/2014

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF** Date and Time Received: **10/23/2014 3:30:00 PM**

Work Order Number: **1410F86** RcptNo: **1** Received by **JoshLaedke**

Completed by: Reviewed by:

Completed Date: 10/23/2014 4:01:50 PM Reviewed Date: 10/28/2014 1:36:12 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☐	No ☑	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐
Response when temperature is outside of range:	Samples were collected the same day and chilled.			
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To 19.4 º	
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1410F86

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/23/2014 8:48:00 AM
Received : 10/23/2014 3:30:00 PM
Collected By G&F99

Lab No. : 1410F88-001
Client Sample ID: SSBR-11 (15-20)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/23/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/04/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/23/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 12/9/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/23/2014 8:57:00 AM
Received : 10/23/2014 3:30:00 PM
Collected By G&F99

Lab No. : 1410F88-002
Client Sample ID: SSBR-11 (20-25)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/23/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/04/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/23/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 12/9/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/23/2014 9:55:00 AM
Received : 10/23/2014 3:30:00 PM
Collected By G&F99

Lab No. : 1410F88-003
Client Sample ID: SSBR-12 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/23/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/04/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/23/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 12/9/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/23/2014 10:10:00 AM
Received : 10/23/2014 3:30:00 PM
Collected By G&F99

Lab No. : 1410F88-004
Client Sample ID: SSBR-12 (5-10)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	11/23/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	12/04/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/23/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 12/9/2014

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF** Date and Time Received: **10/23/2014 3:30:00 PM**

Work Order Number: **1410F88** RcptNo: **1** Received by **JoshLaedke**

Completed by: Reviewed by:

Completed Date: 10/28/2014 1:53:47 PM Reviewed Date: 10/28/2014 1:46:32 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐
Response when temperature is outside of range:	Samples were collected the same day and chilled.			
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To 19.4 º	
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF006 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1410F88

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

December 05, 2014

Ms. Jennifer Aracri
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747

RE: Project: 1410F89 Gannett Fleming
Pace Project No.: 30133095

Dear Ms. Aracri:
Enclosed are the analytical results for sample(s) received by the laboratory on October 29, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
Project Manager

Enclosures

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: 1410F89 Gannett Fleming
Pace Project No.: 30133095

Pennsylvania Certification IDs
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ACLASS DOD-ELAP Accreditation #: ADE-1544
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/TNI Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana DHH/TNI Certification #: LA140008
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: PA00091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188
Utah/TNI Certification #: PA014572014-4
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q

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SAMPLE SUMMARY

Project: 1410F89 Gannett Fleming
Pace Project No.: 30133095

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30133095001	**SSBR-12 (10-15)**	Solid	10/23/14 10:21	10/29/14 09:20
30133095002	**SSBR-12 (15-20)**	Solid	10/23/14 10:31	10/29/14 09:20
30133095003	**SSBR-12 (20-25)**	Solid	10/23/14 10:44	10/29/14 09:20

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SAMPLE ANALYTE COUNT

Project: 1410F89 Gannett Fleming
Pace Project No.: 30133095

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30133095001	**SSBR-12 (10-15)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30133095002	**SSBR-12 (15-20)**	EPA 901.1	MAH	14
		HSL-300	LAL	6
30133095003	**SSBR-12 (20-25)**	EPA 901.1	MAH	14
		HSL-300	LAL	6

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1410F89 Gannett Fleming
Pace Project No.: 30133095

Sample: SSBR-12 (10-15) **Lab ID: 30133095001** Collected: 10/23/14 10:21 Received: 10/29/14 09:20 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.803 ± 0.377 (0.766) C:NA T:NA**	pCi/g	12/02/14 13:17	14331-83-0	
Bismuth-212	EPA 901.1	**0.807 ± 1.447 (2.506) C:NA T:NA**	pCi/g	12/02/14 13:17	14913-49-6	
Bismuth-214	EPA 901.1	**1.251 ± 0.374 (0.274)**	pCi/g	12/02/14 13:17	14733-03-0	
Lead-210	EPA 901.1	**2.303 ± 2.337 (3.789) C:NA T:NA**	pCi/g	12/02/14 13:17	14255-04-0	
Lead-212	EPA 901.1	**1.094 ± 0.263 (0.198) C:NA T:NA**	pCi/g	12/02/14 13:17	15092-94-1	
Lead-214	EPA 901.1	**1.322 ± 0.349 (0.225)**	pCi/g	12/02/14 13:17	15067-28-4	
Potassium-40	EPA 901.1	**25.454 ± 4.985 (1.895) C:NA T:NA**	pCi/g	12/02/14 13:17	13966-00-2	
Protactinium-231	EPA 901.1	**0.628 ± 2.928 (5.338) C:NA T:NA**	pCi/g	12/02/14 13:17	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.183 ± 12.113 (18.860) C:NA T:NA**	pCi/g	12/02/14 13:17	15100-28-4	
Radium-226	EPA 901.1	**1.337 ± 0.348 (0.274) C:NA T:NA**	pCi/g	12/02/14 13:17	13982-63-3	
Radium-228	EPA 901.1	**0.803 ± 0.377 (0.766) C:NA T:NA**	pCi/g	12/02/14 13:17	15262-20-1	
Thallium-208	EPA 901.1	**0.412 ± 0.157 (0.120) C:NA T:NA**	pCi/g	12/02/14 13:17	14913-50-9	
Thorium-234	EPA 901.1	**2.563 ± 1.524 (2.753) C:NA T:NA**	pCi/g	12/02/14 13:17	15065-10-8	
Uranium-235	EPA 901.1	**0.153 ± 0.115 (0.164) C:NA T:NA**	pCi/g	12/02/14 13:17	15117-96-1	
Thorium-228	HSL-300	**0.494 ± 0.118 (0.066) C:NA T:67%**	pCi/g	11/24/14 11:17	14274-82-9	N2
Thorium-230	HSL-300	**0.664 ± 0.142 (0.045) C:NA T:67%**	pCi/g	11/24/14 11:17	14269-63-7	N2
Thorium-232	HSL-300	**0.510 ± 0.116 (0.025) C:NA T:67%**	pCi/g	11/24/14 11:17	7440-29-1	N2
U-233/234	HSL-300	**0.635 ± 0.119 (0.041) C:NA T:96%**	pCi/g	11/23/14 14:00		N2
U-235/236	HSL-300	**0.019 ± 0.029 (0.049) C:NA T:96%**	pCi/g	11/23/14 14:00		N2
Uranium-238	HSL-300	**0.644 ± 0.120 (0.033) C:NA T:96%**	pCi/g	11/23/14 14:00		N2

Sample: SSBR-12 (15-20) **Lab ID: 30133095002** Collected: 10/23/14 10:31 Received: 10/29/14 09:20 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**1.047 ± 0.390 (0.283) C:NA T:NA**	pCi/g	12/02/14 13:39	14331-83-0	
Bismuth-212	EPA 901.1	**0.470 ± 1.384 (2.482) C:NA T:NA**	pCi/g	12/02/14 13:39	14913-49-6	
Bismuth-214	EPA 901.1	**1.119 ± 0.335 (0.255)**	pCi/g	12/02/14 13:39	14733-03-0	
Lead-210	EPA 901.1	**0.793 ± 2.253 (3.961) C:NA T:NA**	pCi/g	12/02/14 13:39	14255-04-0	
Lead-212	EPA 901.1	**1.106 ± 0.281 (0.226) C:NA T:NA**	pCi/g	12/02/14 13:39	15092-94-1	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1410F89 Gannett Fleming
Pace Project No.: 30133095

Sample: SSBR-12 (15-20) **Lab ID: 30133095002** Collected: 10/23/14 10:31 Received: 10/29/14 09:20 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Lead-214	EPA 901.1	**1.186 ± 0.305 (0.176)**	pCi/g	12/02/14 13:39	15067-28-4	
Potassium-40	EPA 901.1	**12.526 ± 2.969 (1.598)** **C:NA T:NA**	pCi/g	12/02/14 13:39	13966-00-2	
Protactinium-231	EPA 901.1	**-0.031 ± 1.234 (5.691)** **C:NA T:NA**	pCi/g	12/02/14 13:39	14331-85-2	
Protactinium-234M	EPA 901.1	**-0.438 ± 21.261 (18.880)** **C:NA T:NA**	pCi/g	12/02/14 13:39	15100-28-4	
Radium-226	EPA 901.1	**1.170 ± 0.301 (0.255)** **C:NA T:NA**	pCi/g	12/02/14 13:39	13982-63-3	
Radium-228	EPA 901.1	**1.047 ± 0.390 (0.283)** **C:NA T:NA**	pCi/g	12/02/14 13:39	15262-20-1	
Thallium-208	EPA 901.1	**0.451 ± 0.152 (0.116)** **C:NA T:NA**	pCi/g	12/02/14 13:39	14913-50-9	
Thorium-234	EPA 901.1	**2.083 ± 1.338 (2.519)** **C:NA T:NA**	pCi/g	12/02/14 13:39	15065-10-8	
Uranium-235	EPA 901.1	**0.105 ± 0.093 (0.151)** **C:NA T:NA**	pCi/g	12/02/14 13:39	15117-96-1	
Thorium-228	HSL-300	**0.415 ± 0.099 (0.072)** **C:NA T:72%**	pCi/g	11/23/14 13:18	14274-82-9	N2
Thorium-230	HSL-300	**0.508 ± 0.109 (0.047)** **C:NA T:72%**	pCi/g	11/23/14 13:18	14269-63-7	N2
Thorium-232	HSL-300	**0.421 ± 0.092 (0.022)** **C:NA T:72%**	pCi/g	11/23/14 13:18	7440-29-1	N2
U-233/234	HSL-300	**0.462 ± 0.089 (0.030)** **C:NA T:115%**	pCi/g	11/23/14 14:01		N2
U-235/236	HSL-300	**0.026 ± 0.019 (0.024)** **C:NA T:115%**	pCi/g	11/23/14 14:01		N2
Uranium-238	HSL-300	**0.497 ± 0.094 (0.024)** **C:NA T:115%**	pCi/g	11/23/14 14:01		N2

Sample: SSBR-12 (20-25) **Lab ID: 30133095003** Collected: 10/23/14 10:44 Received: 10/29/14 09:20 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-228	EPA 901.1	**0.961 ± 0.353 (0.232)** **C:NA T:NA**	pCi/g	12/04/14 11:07	14331-83-0	
Bismuth-212	EPA 901.1	**0.765 ± 1.052 (2.090)** **C:NA T:NA**	pCi/g	12/04/14 11:07	14913-49-6	
Bismuth-214	EPA 901.1	**0.904 ± 0.256 (0.165)**	pCi/g	12/04/14 11:07	14733-03-0	
Lead-210	EPA 901.1	**-0.669 ± 4.159 (3.384)** **C:NA T:NA**	pCi/g	12/04/14 11:07	14255-04-0	
Lead-212	EPA 901.1	**0.795 ± 0.201 (0.180)** **C:NA T:NA**	pCi/g	12/04/14 11:07	15092-94-1	
Lead-214	EPA 901.1	**1.227 ± 0.294 (0.173)**	pCi/g	12/04/14 11:07	15067-28-4	
Potassium-40	EPA 901.1	**8.858 ± 2.288 (1.521)** **C:NA T:NA**	pCi/g	12/04/14 11:07	13966-00-2	
Protactinium-231	EPA 901.1	**-0.707 ± 3.017 (4.991)** **C:NA T:NA**	pCi/g	12/04/14 11:07	14331-85-2	
Protactinium-234M	EPA 901.1	**1.383 ± 7.238 (14.200)** **C:NA T:NA**	pCi/g	12/04/14 11:07	15100-28-4	
Radium-226	EPA 901.1	**1.019 ± 0.242 (0.165)** **C:NA T:NA**	pCi/g	12/04/14 11:07	13982-63-3	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 1410F89 Gannett Fleming
Pace Project No.: 30133095

Sample: SSBR-12 (20-25) **Lab ID: 30133095003** Collected: 10/23/14 10:44 Received: 10/29/14 09:20 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radium-228	EPA 901.1	**0.961 ± 0.353 (0.232)** **C:NA T:NA**	pCi/g	12/04/14 11:07	15262-20-1	
Thallium-208	EPA 901.1	**0.381 ± 0.110 (0.049)** **C:NA T:NA**	pCi/g	12/04/14 11:07	14913-50-9	
Thorium-234	EPA 901.1	**0.808 ± 0.535 (1.382)** **C:NA T:NA**	pCi/g	12/04/14 11:07	15065-10-8	
Uranium-235	EPA 901.1	**0.216 ± 0.126 (0.125)** **C:NA T:NA**	pCi/g	12/04/14 11:07	15117-96-1	
Thorium-228	HSL-300	**0.571 ± 0.125 (0.072)** **C:NA T:55%**	pCi/g	11/23/14 13:18	14274-82-9	N2
Thorium-230	HSL-300	**0.702 ± 0.140 (0.029)** **C:NA T:55%**	pCi/g	11/23/14 13:18	14269-63-7	N2
Thorium-232	HSL-300	**0.493 ± 0.106 (0.007)** **C:NA T:55%**	pCi/g	11/23/14 13:18	7440-29-1	N2
U-233/234	HSL-300	**0.847 ± 0.147 (0.036)** **C:NA T:102%**	pCi/g	11/23/14 14:01		N2
U-235/236	HSL-300	**0.067 ± 0.032 (0.030)** **C:NA T:102%**	pCi/g	11/23/14 14:01		N2
Uranium-238	HSL-300	**0.883 ± 0.152 (0.032)** **C:NA T:102%**	pCi/g	11/23/14 14:01		N2

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 1410F89 Gannett Fleming
Pace Project No.: 30133095

QC Batch: RADC/22185 Analysis Method: HSL-300
QC Batch Method: HSL-300 Analysis Description: HSL300(AS) Actinides
Associated Lab Samples: 30133095001, 30133095002, 30133095003

METHOD BLANK: 816486 Matrix: Solid
Associated Lab Samples: 30133095001, 30133095002, 30133095003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Thorium-228	0.021 ± 0.022 (0.037) C:NA T:103%	pCi/g	11/23/14 13:18	N2
Thorium-230	0.006 ± 0.007 (0.004) C:NA T:103%	pCi/g	11/23/14 13:18	N2
Thorium-232	-0.002 ± 0.007 (0.015) C:NA T:103%	pCi/g	11/23/14 13:18	N2
U-233/234	0.009 ± 0.015 (0.027) C:NA T:110%	pCi/g	11/23/14 13:59	N2
U-235/236	0.007 ± 0.011 (0.006) C:NA T:110%	pCi/g	11/23/14 13:59	N2
Uranium-238	-0.004 ± 0.014 (0.030) C:NA T:110%	pCi/g	11/23/14 13:59	N2

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 1410F89 Gannett Fleming
Pace Project No.: 30133095

QC Batch:	RADC/22276	Analysis Method:	EPA 901.1
QC Batch Method:	EPA 901.1	Analysis Description:	901.1 Gamma Spec Ingrowth

Associated Lab Samples: 30133095001, 30133095002

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 1410F89 Gannett Fleming
Pace Project No.: 30133095

QC Batch:	RADC/22356	Analysis Method:	EPA 901.1
QC Batch Method:	EPA 901.1	Analysis Description:	901.1 Gamma Spec Ingrowth

Associated Lab Samples: 30133095003

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QUALIFIERS

Project: 1410F89 Gannett Fleming
Pace Project No.: 30133095

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2 The lab does not hold TNI accreditation for this parameter.

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Pace Analytical

CHAIN OF CUSTODY RECORD

Omega COCID 2070

PAGE: 1 OF: 1

ADDRESS
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575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040
FAX: (631) 420-8436
Website: www.pacelabs.com

SUB CONTRACTOR	PACE-Pennsylvania	COMPANY	Pace Analytical Service, Inc.
ADDRESS	1638 Roseytown Road Suites 2,3,&4		
CITY, STATE, ZIP	Greensburg, PA 15601		
PHONE	(724) 850-5600	FAX	(724) 850-5601
ACCOUNT #		EMAIL	

SPECIAL INSTRUCTIONS / COMMENTS

Please analyze for Thorium, Gamma Spec, and Uranium. Please contact Jennifer Aracri at extension 1211 with questions.

30133095

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS Methanol Preserved Weights HOT Sample Notation, Additional Sample Description	
1	1410F89-001D	SSBR-12 (10-15)	8-ozJAR	Soil	10/23/2014 10:21:00 AM	1	Uranium, Gamma Spec	001
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)							
2	1410F89-001E	SSBR-12 (10-15)	8-ozJAR	Soil	10/23/2014 10:21:00 AM	1	Thorium	
	SUBCONTRACT (SUB)							
3	1410F89-002D	SSBR-12 (15-20)	8-ozJAR	Soil	10/23/2014 10:31:00 AM	1	Uranium, Gamma Spec	002
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)							
4	1410F89-002E	SSBR-12 (15-20)	8-ozJAR	Soil	10/23/2014 10:31:00 AM	1	Thorium	
	SUBCONTRACT (SUB)							
5	1410F89-003D	SSBR-12 (20-25)	8-ozJAR	Soil	10/23/2014 10:44:00 AM	1	Uranium, Gamma Spec	003
	SUBCONTRACT (SUB), URANIUM (ASTM D5174)							
6	1410F89-003E	SSBR-12 (20-25)	8-ozJAR	Soil	10/23/2014 10:44:00 AM	1	Thorium	
	SUBCONTRACT (SUB)							

Relinquished By	Date	Time	Received By	Date	Time
	10/24/14	1800		10-27-14	9:35
Relinquished By	Date	Time	Received By	Date	Time
	10/28/14	1800	Scott	10-29-14	0920
Relinquished By	Date	Time	Received By	Date	Time

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED

☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples _____ °C Attempt to Cool ? _____

Comments _____

Sample Condition Upon Receipt

Pace Analytical

Client Name: Pace LF

Project # 30133095

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 7716 5491 6701

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no **Biological Tissue is Frozen:** Yes No

Packing Material: Bubble Wrap X Bubble Bags X None ___ Other _____

Thermometer Used #6 **Type of Ice:** Wet Blue (None) ☐ Samples on ice, cooling process has begun

Cooler Temp.: Observed Temp.: NA °C **Correction Factor:** NA °C **Final Temp:** NA °C

Date and Initials of person examining contents: SRA 10-29-14

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☒No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☐Yes ☒No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SI		
All containers needing preservation have been checked.	☐Yes ☐No ☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☒No	Initial when completed SRA / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☒N/A	15.
Trip Blank Present:	☐Yes ☒No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 10/29/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical

Project Number: 30133095

Client Name: Pace LI

Item No.	Matrix Code	Glass Jar (120 / 250 / 500 / 1L)	Soil kit (2 SB, 1M, soil jar)	Chemistry (250 / 500 / 1L)	Organics (1L)	Nutrient (250 / 500)	Phenolics (250 ml)	TOC (40 ml / 250 ml)	TOX (250 ml)	Total Metals	Dissolved Metals preserved Y N	O & G (1L)	TPH (1L)	VOA (40 ml 30 ml)	Cyanide (250 ml)	Sulfide (500 ml)	Bacteria (120 ml)	Wipes / swipe/ smear/ filter	Radchem Nalgene (125 / 250 / 500 / 1L)	Radchem Nalgene (1/2 gal. / 1 gal.L)	Cubitainer (500 ml / 4L)	Ziploc	Other	Other
001	SI	—																						
003	↓	↓																						

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/8/2014 9:10:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-001
Client Sample ID: SSBR-13 (1-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/10/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/06/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 11/12/2014

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/8/2014 9:23:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-002
Client Sample ID: SSBR-13 (5-10)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/06/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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LABORATORY RESULTS

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/8/2014 9:35:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-003
Client Sample ID: SSBR-13 (10-15)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/06/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/8/2014 9:47:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-004
Client Sample ID: SSBR-13 (15-20)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/06/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
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J = Estimated value - below calibration range
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/8/2014 9:59:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-005
Client Sample ID: SSBR-13 (20-25)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/06/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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c = Calibration acceptability criteria exceeded for this analyte
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 11:55:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-006
Client Sample ID: SSBR-14 (1-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/07/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 12:10:00 PM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-007
Client Sample ID: SSBR-14 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/07/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 12:21:00 PM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-008
Client Sample ID: SSBR-14 (10-15)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/07/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 12:32:00 PM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-009
Client Sample ID: SSBR-14 (15-20)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/07/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 12:41:00 PM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-010
Client Sample ID: SSBR-14 (20-25)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/07/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 10:11:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-011
Client Sample ID: SSBR-15 (1-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/07/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
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LABORATORY RESULTS

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 10:31:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-012
Client Sample ID: SSBR-15 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/07/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 10:43:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-013
Client Sample ID: SSBR-15 (10-15)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/07/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 11/12/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 10:52:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-014
Client Sample ID: SSBR-15 (15-20)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/07/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 11/12/2014

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575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 11:05:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-015
Client Sample ID: SSBR-15 (20-25)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/07/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 11/12/2014

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 9:05:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-016
Client Sample ID: SSBR-16 (1-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/07/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 11/12/2014

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575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 9:15:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-017
Client Sample ID: SSBR-16 (5-10)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/07/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 9:27:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410634-018
Client Sample ID: SSBR-16 (10-15)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		11/08/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/07/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/07/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 11/12/2014

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF** Date and Time Received: **10/8/2014 3:40:00 PM**

Work Order Number: **1410634** RcptNo: **1** Received by **MelissaWatson**

Completed by: Reviewed by:

Completed Date: 10/10/2014 10:54:48 AM Reviewed Date: 10/13/2014 10:32:19 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	3.5 To	5.2 º
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF002 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

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NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1410634

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 8:10:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410658-001
Client Sample ID: SSBR-17 (1-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		10/28/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/06/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/05/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 11/11/2014

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 8:20:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410658-002
Client Sample ID: SSBR-17 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		10/28/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/06/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/05/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 11/11/2014

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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/7/2014 8:33:00 AM
Received : 10/8/2014 3:40:00 PM
Collected By G&F99

Lab No. : 1410658-003
Client Sample ID: SSBR-17 (10-15)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1		10/28/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1		11/06/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/05/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 11/11/2014

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF** Date and Time Received: **10/8/2014 3:40:00 PM**

Work Order Number: **1410658** RcptNo: **1** Received by **MelissaWatson**

Completed by: Reviewed by:

Completed Date: 10/10/2014 10:55:18 AM Reviewed Date: 10/13/2014 10:49:27 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	3.5 To	5.2 º
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF003 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1410658

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/6/2014 12:10:00 PM
Received : 10/6/2014 4:15:00 PM
Collected By G&F99

Lab No. : 1410459-001
Client Sample ID: SSBR-18 (1-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	10/28/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/05/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	10/31/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 11/14/2014

Pace Analytical™
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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/6/2014 12:23:00 PM
Received : 10/6/2014 4:15:00 PM
Collected By G&F99

Lab No. : 1410459-002
Client Sample ID: SSBR-18 (5-10)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	10/28/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/05/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	10/31/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
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S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

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Date Reported : 11/14/2014

Pace Analytical™
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/6/2014 12:35:00 PM
Received : 10/6/2014 4:15:00 PM
Collected By G&F99

Lab No. : 1410459-003
Client Sample ID: SSBR-18 (10-15)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	10/28/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/05/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	10/31/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 11/14/2014

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/6/2014 11:00:00 AM
Received : 10/6/2014 4:15:00 PM
Collected By G&F99

Lab No. : 1410459-004
Client Sample ID: SSBR-19 (1-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	10/28/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/05/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	10/31/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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J = Estimated value - below calibration range
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/6/2014 11:10:00 AM
Received : 10/6/2014 4:15:00 PM
Collected By G&F99

Lab No. : 1410459-005
Client Sample ID: SSBR-19 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	10/28/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/05/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	10/31/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/6/2014 11:25:00 AM
Received : 10/6/2014 4:15:00 PM
Collected By G&F99

Lab No. : 1410459-006
Client Sample ID: SSBR-19 (10-15)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	10/28/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/05/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	10/31/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/6/2014 9:50:00 AM
Received : 10/6/2014 4:15:00 PM
Collected By G&F99

Lab No. : 1410459-007
Client Sample ID: SSBR-20 (1-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	10/31/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/05/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	10/31/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/6/2014 9:55:00 AM
Received : 10/6/2014 4:15:00 PM
Collected By G&F99

Lab No. : 1410459-008
Client Sample ID: SSBR-20 (5-10)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	10/31/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/05/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	10/31/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/6/2014 10:10:00 AM
Received : 10/6/2014 4:15:00 PM
Collected By G&F99

Lab No. : 1410459-009
Client Sample ID: SSBR-20 (10-15)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	10/28/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/05/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	10/31/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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D.F. = Dilution Factor D = Results for Dilution
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/6/2014 8:49:00 AM
Received : 10/6/2014 4:15:00 PM
Collected By G&F99

Lab No. : 1410459-010
Client Sample ID: SSBR-21 (1-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	10/28/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/05/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	10/31/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/6/2014 9:01:00 AM
Received : 10/6/2014 4:15:00 PM
Collected By G&F99

Lab No. : 1410459-011
Client Sample ID: SSBR-21 (5-10)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	10/31/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/05/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/05/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Vincent Frisina
Collected : 10/6/2014 9:20:00 AM
Received : 10/6/2014 4:15:00 PM
Collected By G&F99

Lab No. : 1410459-012
Client Sample ID: SSBR-21 (10-15)

Sample Information:
Type : Soil
Origin:

Analytical Method: SUB : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Subcontract (See Attached)	-	+	1	pCi/g	10/28/2014	Container-01 of 01
Subcontract (See Attached)	-	+	1	pCi/g	11/05/2014	Container-01 of 01

Analytical Method: ASTM D5174 : Analyst: Sub

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Total Uranium (see attached)	-	+	1	pCi/g-dry	11/05/2014	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF** Date and Time Received: **10/6/2014 4:15:00 PM**

Work Order Number: **1410459** RcptNo: **1** Received by **MelissaWatson**

Completed by: Reviewed by:

Completed Date: 10/7/2014 7:27:47 PM Reviewed Date: 10/13/2014 2:20:32 PM

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	0.9 º
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: GNF001 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

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WorkOrder :
1410459

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Peter Papamichael
Collected : 10/21/2014 9:53:00 AM
Received : 12/9/2014
Collected By GF

Lab No. : 1412J11-001
Client Sample ID: SSBR-2 (0-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SW1311/6010C : Prep Method: SW3005A Prep Date: 12/30/2014 2:00:00 PM Analyst: HT

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Lead	< 0.0200	H	1	mg/L	12/30/2014 11:34 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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Date Reported : 12/31/2014

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LABORATORY RESULTS

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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Peter Papamichael
Collected : 10/21/2014 4:00:00 PM
Received : 12/9/2014
Collected By GF

Lab No. : 1412J11-002
Client Sample ID: SSBR-3 (5-10)

Sample Information:
Type : Soil

Origin:

Analytical Method: SW1311/6010C : Prep Method: SW3005A Prep Date: 12/30/2014 2:00:00 PM Analyst: HT

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Arsenic	< 1.00	H	1	mg/L	12/30/2014 11:40 PM	Container-01 of 01
Lead	< 1.00	H	1	mg/L	12/30/2014 11:40 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
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Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Peter Papamichael
Collected : 10/7/2014 8:10:00 AM
Received : 12/9/2014
Collected By GF

Lab No. : 1412J11-003
Client Sample ID: SSBR-17 (1-5)

Sample Information:
Type : Soil

Origin:

Analytical Method: SW1311/6010C : Prep Method: SW3005A Prep Date: 12/30/2014 2:00:00 PM Analyst: HT

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Arsenic	< 1.00	H	1	mg/L	12/30/2014 11:58 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 12/31/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Peter Papamichael
Collected : 10/7/2014 8:20:00 AM
Received : 12/9/2014
Collected By GF

Lab No. : 1412J11-004
Client Sample ID: SSBR-17 (5-10)

Sample Information:
Type : Soil
Origin:

Analytical Method: SW1311/6010C : Prep Method: SW3005A Prep Date: 12/30/2014 2:00:00 PM Analyst: HT

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Arsenic	< 1.00	H	1	mg/L	12/31/2014 12:04 AM	Container-01 of 01
Lead	< 1.00	H	1	mg/L	12/31/2014 12:04 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 12/31/2014

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Gannett & Fleming Engineers, PC
100 Crossways Park Drive West
Woodbury, NY 11797
Attn To : Peter Papamichael
Collected : 10/7/2014 8:33:00 AM
Received : 12/9/2014
Collected By GF

Lab No. : 1412J11-005
Client Sample ID: SSBR-17 (10-15)

Sample Information:
Type : Soil
Origin:

Analytical Method: SW1311/6010C : Prep Method: SW3005A Prep Date: 12/30/2014 2:00:00 PM Analyst: HT

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Arsenic	< 1.00	H	1	mg/L	12/31/2014 12:10 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Client Services Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 12/31/2014

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040

Quality Control Report

PACE ANALYTICAL

10478

Analysis: **ICP METALS, TCLP Leached** **WorkOrder:** **1412J11**

Method: **1311_M** **Lab Batch ID:** **47823**

Method Blank

RunID: 67660 SeqNo 1470599 Units: mg/L

Analysis Date: 12/30/2014 11:16:01 PM Analyst CGZ

Analyte	Result	Rep Limit	Rep Qual
Arsenic	< 1.00	1.00	
Lead	< 1.00	1.00	

Laboratory Control Sample (LCS/LFB)

RunID: 67660 SeqNo 1470601 Units: mg/L

Analysis Date: 12/30/2014 11:28:25 PM Analyst CGZ

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Arsenic	0.5000	< 1.00	105						80	120	
Lead	0.5000	< 1.00	112						80	120	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 1412J08-002A

RunID: 67660 SeqNo 1470613 Units: mg/L

Analysis Date: 12/31/2014 12:41:57 AM Analyst CGZ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	Low Limit	High Limit	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Lead	0.05046	1.000	< 1.00	89.3	75	125								

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
PL	Permit Limit	RL	Reporting Detection Limit

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **GNF** Date and Time Received: **12/9/2014**

Work Order Number: **1412J11** RcptNo: **1** Received by **MelissaWatson**

Completed by: Reviewed by:

Completed Date: 12/29/2014 4:46:55 PM Reviewed Date: 12/29/2014 4:45:34 PM

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☐	No ☑	To	°
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bil ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

Samples are a relog of samples in Workorders1410E14 and 1410658 for TCLP Metals

CorrectiveAction:

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1412J11

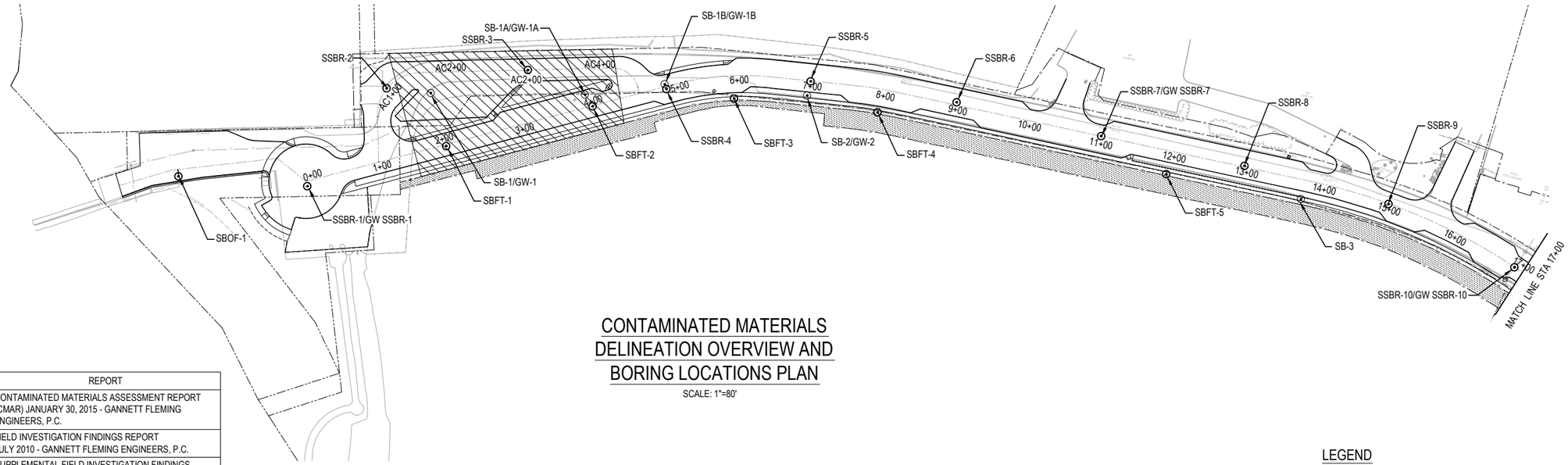
Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

APPENDIX C

HAZARDOUS MATERIALS PLANS

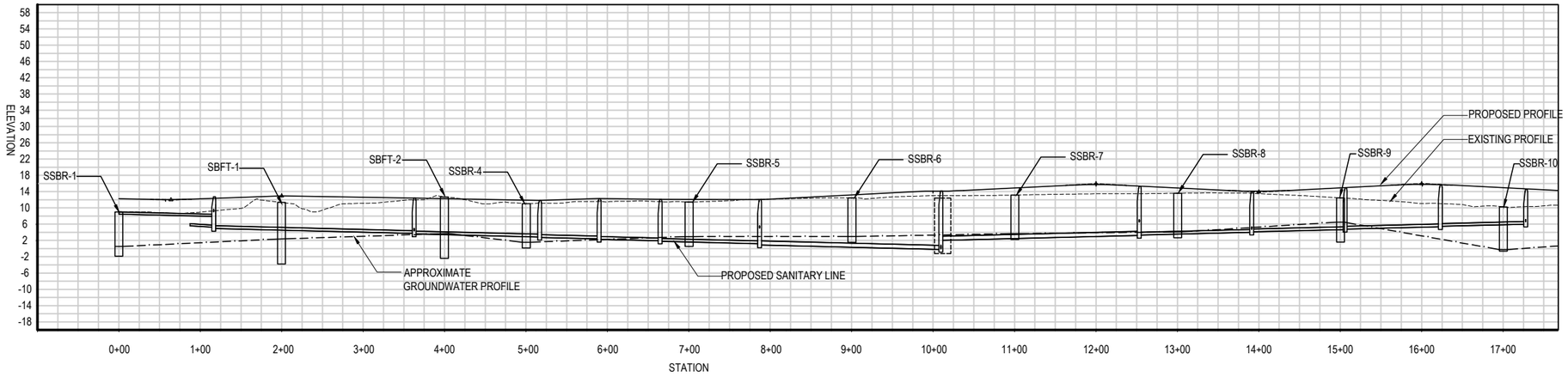
NOTE
HZM drawings are reproduced here at half-scale.



CONTAMINATED MATERIALS DELINEATION OVERVIEW AND BORING LOCATIONS PLAN

SCALE: 1"=80'

BORINGS DESIGNATION	REPORT
SSBR-XX, SBFT-XX, SOF-XX, GW-SSBR-XX	CONTAMINATED MATERIALS ASSESSMENT REPORT (CMAR) JANUARY 30, 2015 - GANNETT FLEMING ENGINEERS, P.C.
SB-1 THROUGH 8, CB-1 THROUGH 8	FIELD INVESTIGATION FINDINGS REPORT JULY 2010 - GANNETT FLEMING ENGINEERS, P.C.
SB-1A/B, 7A/B, 8A/B, GW-1A, 7A, 8A/B	SUPPLEMENTAL FIELD INVESTIGATION FINDINGS REPORT SEPTEMBER 2010 - GANNETT FLEMING ENGINEERS, P.C.
LT-R-001 THROUGH 003	GARVIES POINT ROAD BORING RESULTS - GLEN ISLE WATERFRONT REDEVELOPMENT APRIL 2, 2014 - P.W. GROSSER CONSULTING



LEGEND

- BORING LOCATION
- UNHATCHED AREAS: BELOW PART 375 RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES (ITEM #205.06)
- PCBs ABOVE PART 375 COMMERCIAL SOIL CLEANUP OBJECTIVES (ITEM #205.0502)
- ARSENIC ABOVE PART 375 COMMERCIAL SOIL CLEANUP OBJECTIVES (ITEM #205.0502)
- COPPER ABOVE PART 375 COMMERCIAL SOIL CLEANUP OBJECTIVES (ITEM #205.0502)
- VOCs ABOVE RCRA HAZARDOUS WASTE CRITERIA (ITEM #205.0501)
- SITE MANAGEMENT PLAN (SMP) AREA WITHIN PROJECT AREA (SEE HZM 3-11)
- EXISTING ROAD BED
- PROPOSED ROAD BED
- PE — LIMIT OF DISTURBANCE
- TE — ROADWAY BOUNDARY
- HB
- SMP — SITE MANAGEMENT PLAN AREAS BOUNDARY (WHERE NOT ALIGNED WITH LIMIT OF DISTURBANCE OR ROADWAY BOUNDARY)

NOTE
HZM drawings are reproduced here at half-scale.

APPROXIMATE GROUNDWATER PROFILE (SANITARY SEWER ALIGNMENT)

HORIZONTAL SCALE: 1"=80'
VERTICAL SCALE: 1"=16'

GRAPHIC SCALE
80 0 40 80 160 320
(IN FEET)
1 inch = 80 ft.

NOTES:

1. SEE SPECIAL NOTE - TESTING, HANDLING, AND DISPOSAL OF CONTAMINATED DEWATERING FLUIDS (PROJECT MANUAL).
2. SEE SPECIAL NOTE - SOIL CHARACTERIZATION INFORMATION (PROJECT MANUAL).
3. GROUNDWATER LEVELS SHOWN HAVE BEEN APPROXIMATED FROM SOIL BORINGS AND ARE NOT GUARANTEED. ACTUAL CONDITIONS DURING CONSTRUCTION MAY VARY AND CONTRACTOR SHALL PREPARE THE BID ACCORDINGLY.

DRAFT
2/ 6/ 15

Gannett Fleming

PREPARED BY:
ON:

ALTERED BY:
ON:

xxxxxxxxxxxxxxxxxx, P.E. DATE
NYSPE LIC. NO. xxxxxx
PARTNER
XXXXXXXX

AS BUILT REVISIONS
DESCRIPTION OF WORK: ----------
SIGNATURE DATE

COUNTY: NASSAU

PIN 0759.34
PS&E DATE JUNE 2014

BRIDGES
CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CITY OF GLEN COVE
GARVIES POINT ROAD
HAZMAT PLAN

CONTRACT NUMBER

DRAWING NO. HZM-1
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPING ARCHITECT, OR A LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPING ARCHITECT, OR A LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 10
DOCUMENT NAME: nyu_sheet.cel

DESIGN SUPERVISOR Joseph Castagna JOB MANAGER Joseph Castagna DESIGNED BY Sunil Wijewardena CHECKED BY Joseph Castagna ESTIMATED BY Yelena Shayer DRAFTED BY Lyubov Kamornik CHECKED BY Joseph Castagna

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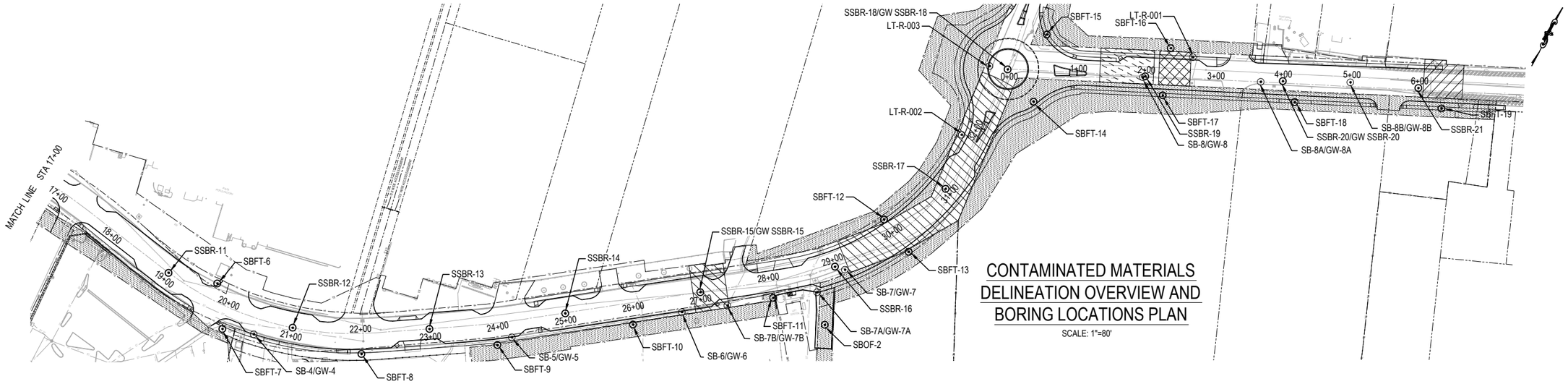
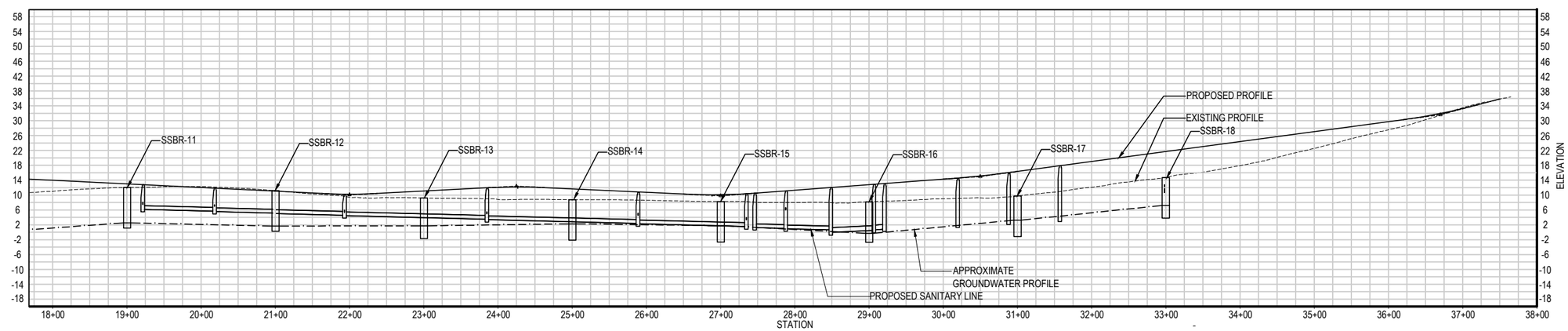


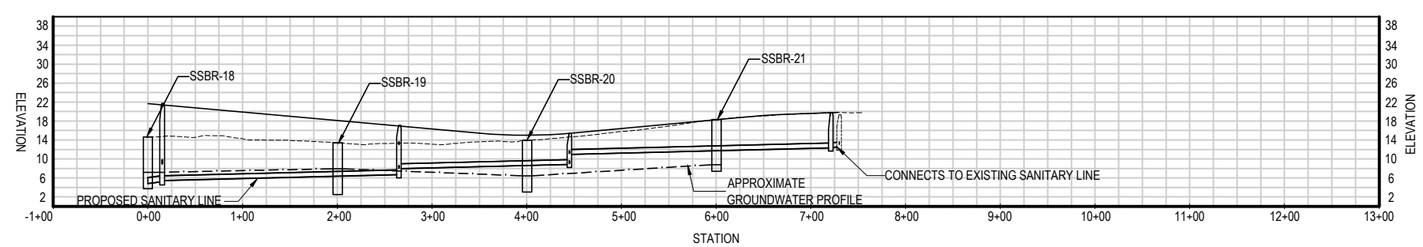
CONTAMINATED MATERIALS DELINEATION OVERVIEW AND BORING LOCATIONS PLAN

SCALE: 1"=80'



GARVIES POINT ROAD APPROXIMATE GROUNDWATER PROFILE (SANITARY SEWER ALIGNMENT)

HORIZONTAL SCALE: 1"=80'
VERTICAL SCALE: 1"=16'



HERB HILL ROAD APPROXIMATE GROUNDWATER PROFILE (SANITARY SEWER ALIGNMENT)

HORIZONTAL SCALE: 1"=80'
VERTICAL SCALE: 1"=16'

DRAFT
2/ 6/ 15

Gannett Fleming

PREPARED BY: ON:	ALTERED BY: ON:
xxxxxxxxxxxxxxxxxx. P.E. DATE NYSPE LIC. NO. xxxxxx PARTNER XXXXXXXX	

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DESCRIPTION OF WORK: ----------

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COUNTY: NASSAU

PIN 0759.34

PS&E DATE

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CITY OF GLEN COVE
GARVIES POINT ROAD/HERB HILL ROAD
HAZMAT PLAN

CONTRACT NUMBER

DRAWING NO. HZM-2
SHEET NO.

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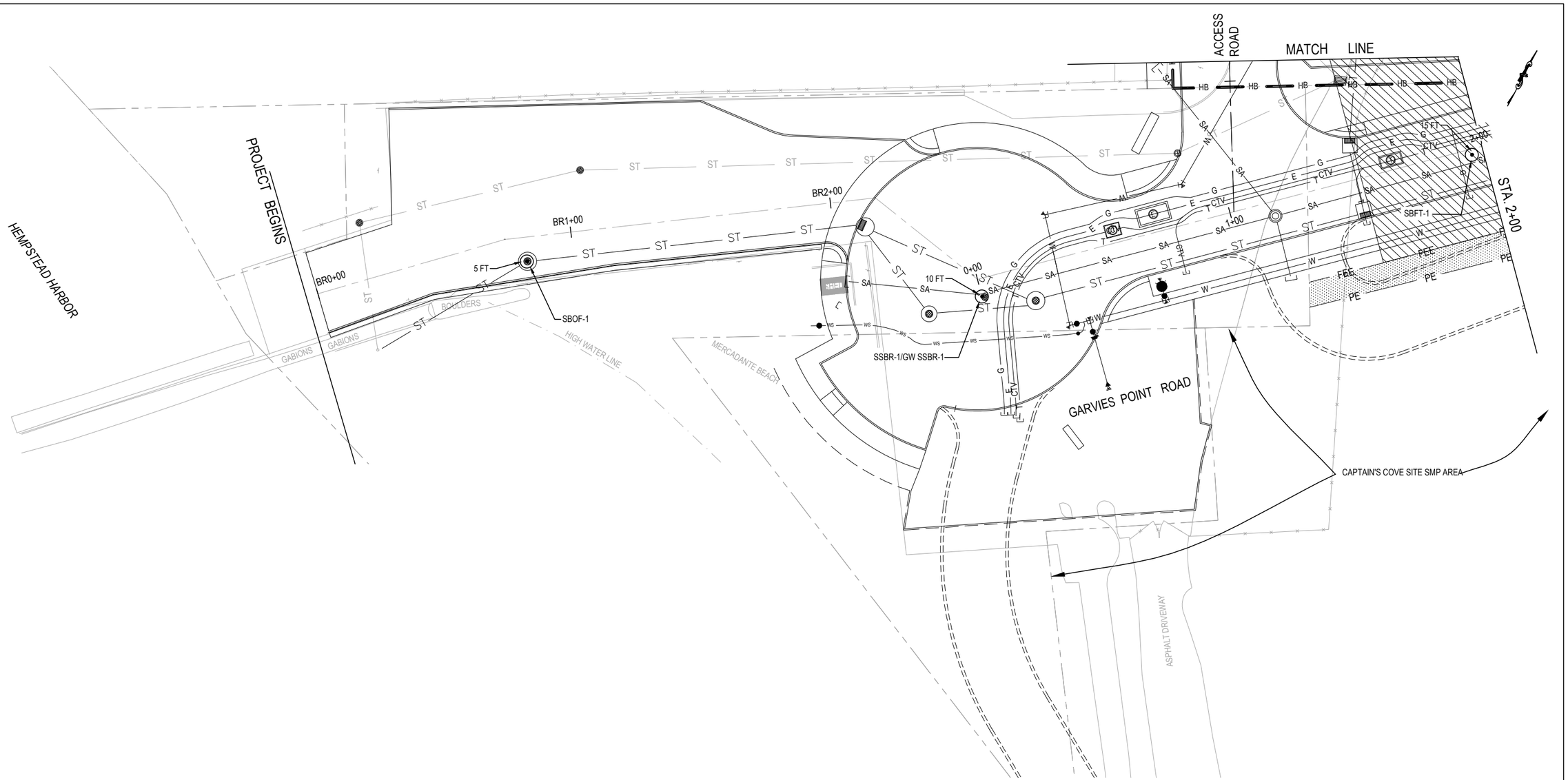

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2/ 6/ 15

Gannett Fleming

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xxxxxxxxxxxxxxxxxx, P.E. DATE NYSPE LIC. NO. xxxxxx PARTNER XXXXXXXX	

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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DESCRIPTION OF WORK: ----------

SIGNATURE DATE

COUNTY: NASSAU

PIN

PS&E DATE

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

CITY OF GLEN COVE
GARVIES POINT ROAD / BOAT RAMP
HAZMAT PLAN

DRAWING NO. HZM-3
SHEET NO.

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USER = lkamornik

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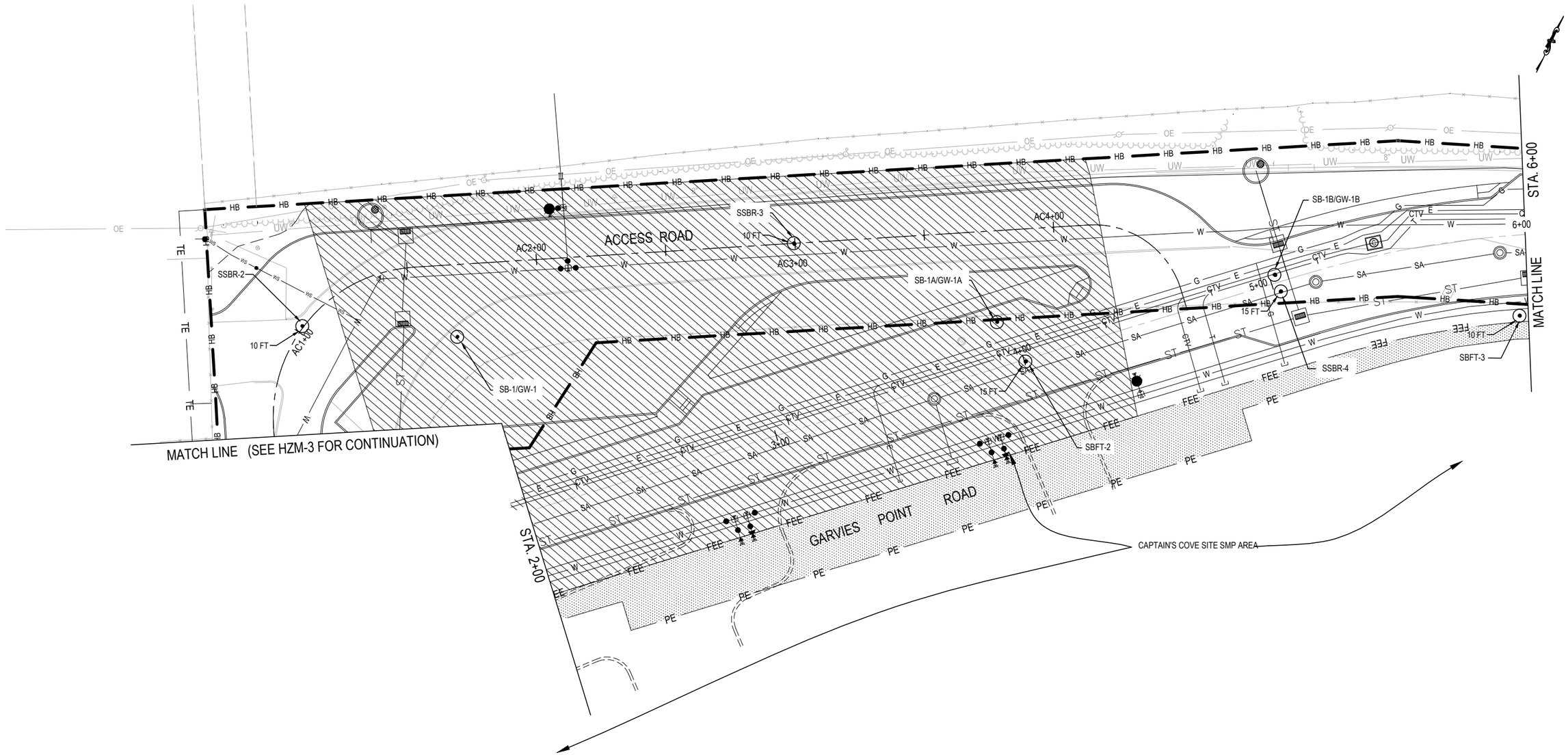

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2/ 6/ 15

PREPARED BY: ON:	ALTERED BY: ON:
xxxxxxxxxxxxxxxxxx, P.E. DATE NYSPE LIC. NO. xxxxxx PARTNER XXXXXXXX	

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

Gannett Fleming

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DESCRIPTION OF WORK: ----------

SIGNATURE DATE

COUNTY: NASSAU

PIN

PS&E DATE

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

CITY OF GLEN COVE
GARVIES POINT ROAD / ACCESS ROAD
HAZMAT PLAN

DRAWING NO. HZM-4
SHEET NO.

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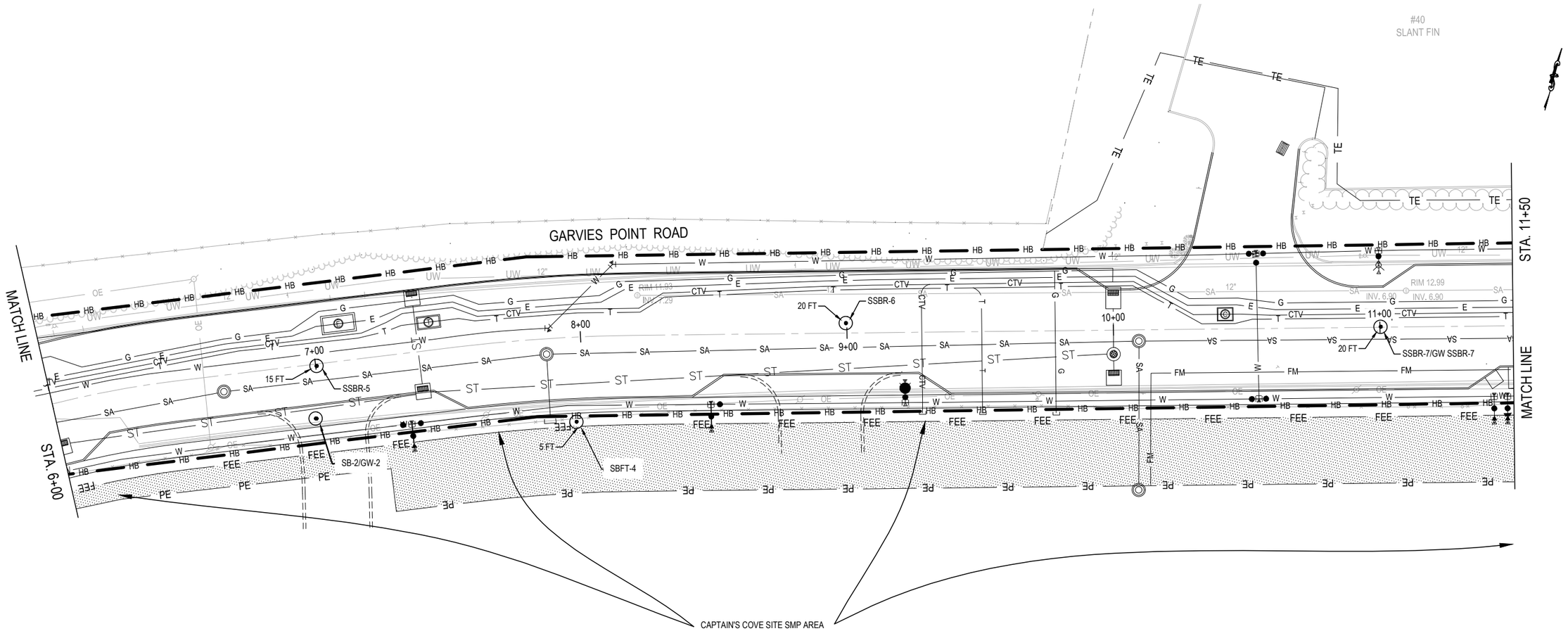

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2/ 6/ 15

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

Gannett Fleming

PREPARED BY: ON:	ALTERED BY: ON:
xxxxxxxxxxxxxxxxxx, P.E. DATE NYSPE LIC. NO. xxxxxx PARTNER XXXXXXXX	

AS BUILT REVISIONS
DESCRIPTION OF WORK: ----------

SIGNATURE DATE

COUNTY: NASSAU

PIN

PS&E DATE

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CITY OF GLEN COVE
GARVIES POINT ROAD
HAZMAT PLAN

CONTRACT NUMBER

DRAWING NO. HZM-5
SHEET NO.

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USER = lkamornik

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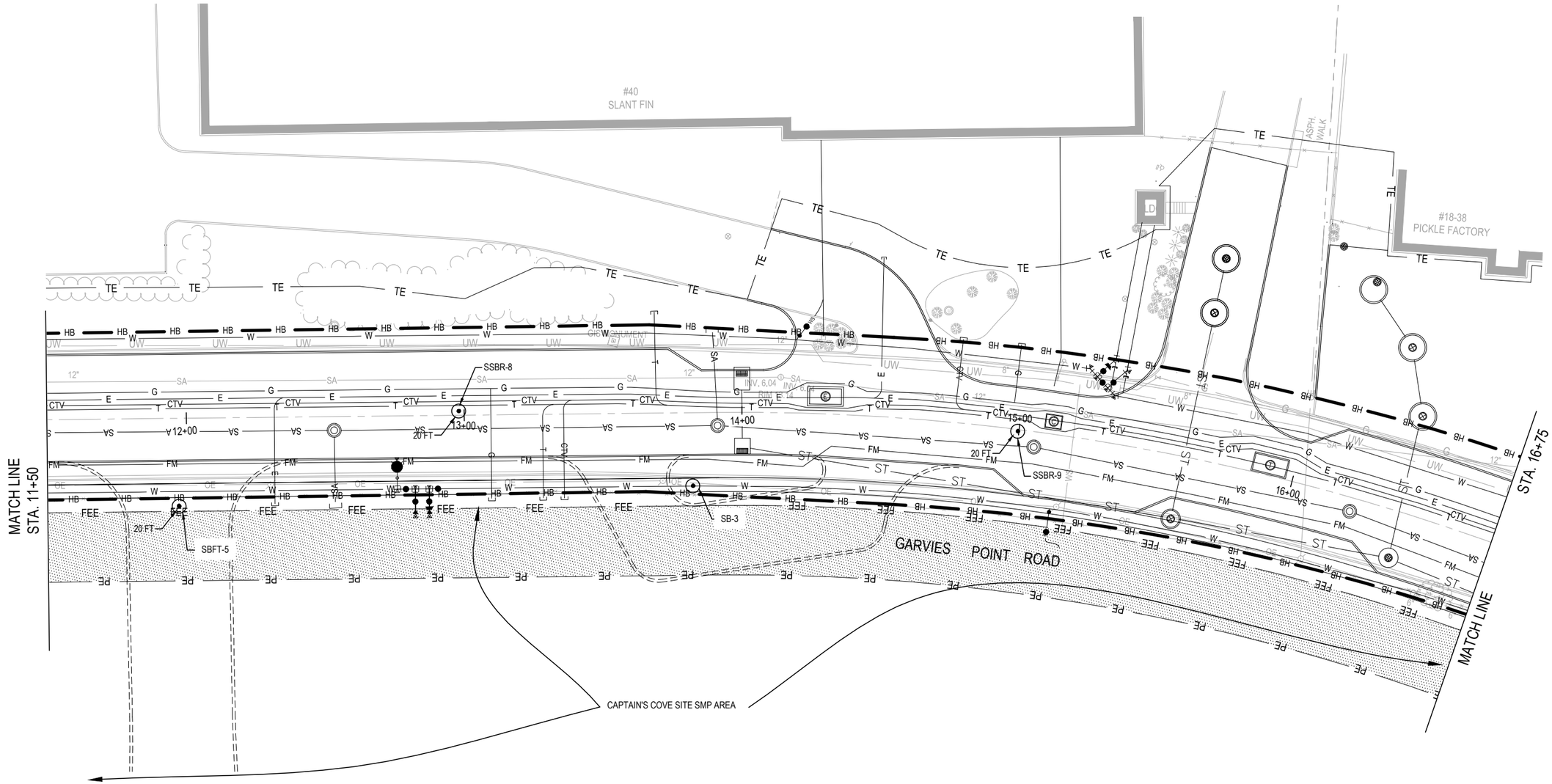

DRAFT
2/ 6/ 15

PREPARED BY: ON:	ALTERED BY: ON:
xxxxxxxxxxxxxxxxxx, P.E. DATE NYSPE LIC. NO. xxxxxx PARTNER XXXXXXXX	

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

Gannett Fleming

AS BUILT REVISIONS
DESCRIPTION OF WORK: ----------

SIGNATURE DATE

COUNTY: NASSAU

PIN

PS&E DATE

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CITY OF GLEN COVE
GARVIES POINT ROAD
HAZMAT PLAN

CONTRACT NUMBER

DRAWING NO. HZM-6
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPING ARCHITECT, OR A LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPING ARCHITECT, OR A LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION 'ALTERED BY' FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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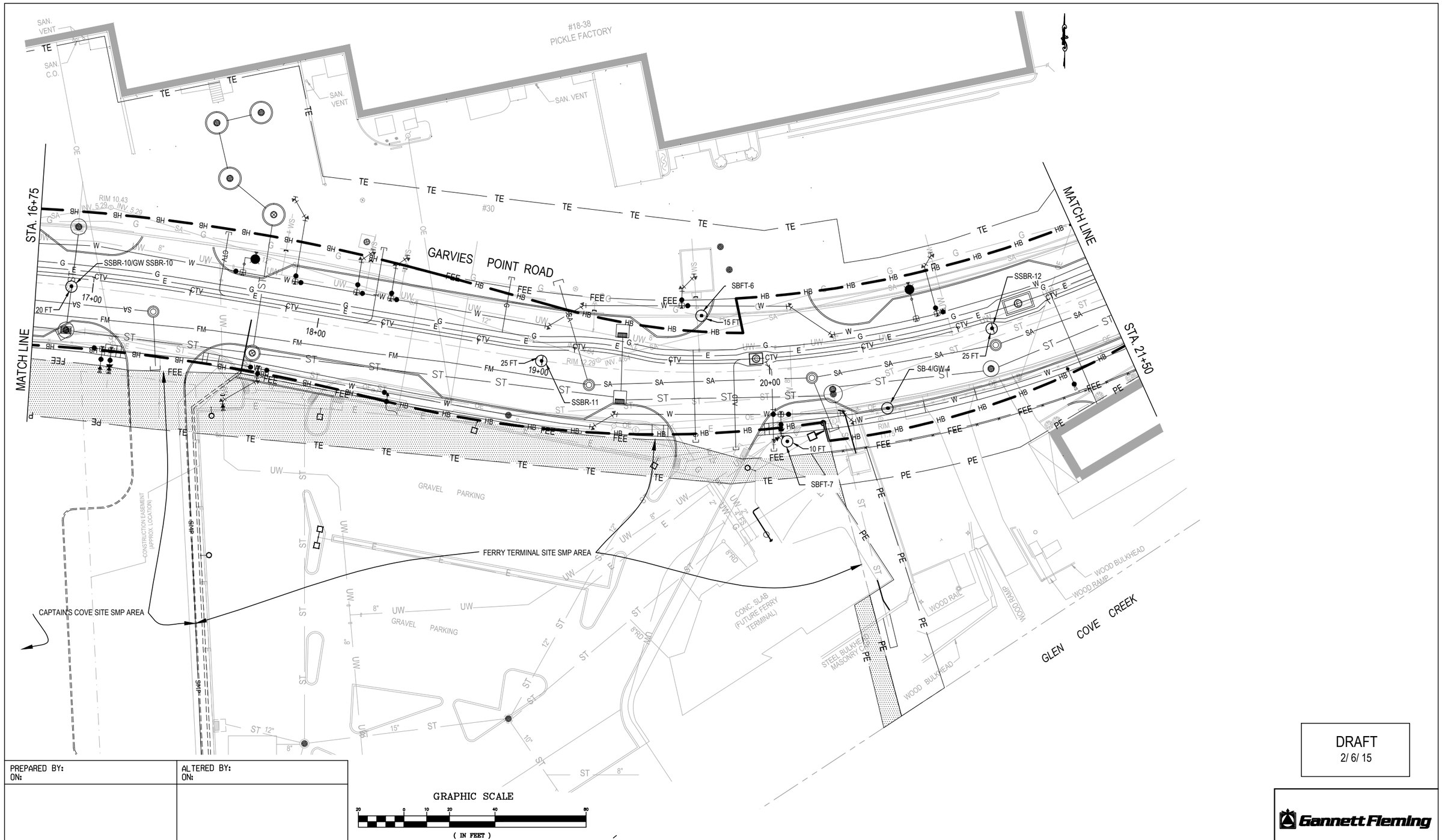
DATE/TIME =Feb 06, 2015
USER = lkamornik

DESIGN SUPERVISOR Joseph Castagna JOB MANAGER Joseph Castagna DESIGNED BY Vincent Frisina CHECKED BY Joseph Castagna DRAFTED BY Lyubov Kamornik CHECKED BY Joseph Castagna ESTIMATED BY _____



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2/ 6/ 15

Gannett Fleming

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xxxxxxxxxxxxxxxxxx, P.E. DATE NYSPE LIC. NO. xxxxxx PARTNER XXXXXXXX	

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DESCRIPTION OF WORK: ----------
SIGNATURE DATE

COUNTY: NASSAU

PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
PS&E DATE			CITY OF GLEN COVE GARVIES POINT ROAD HAZMAT PLAN	DRAWING NO. HZM-7 SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPING ARCHITECT, OR A LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPING ARCHITECT, OR A LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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DOCUMENT NAME: nyu_sheet.cel

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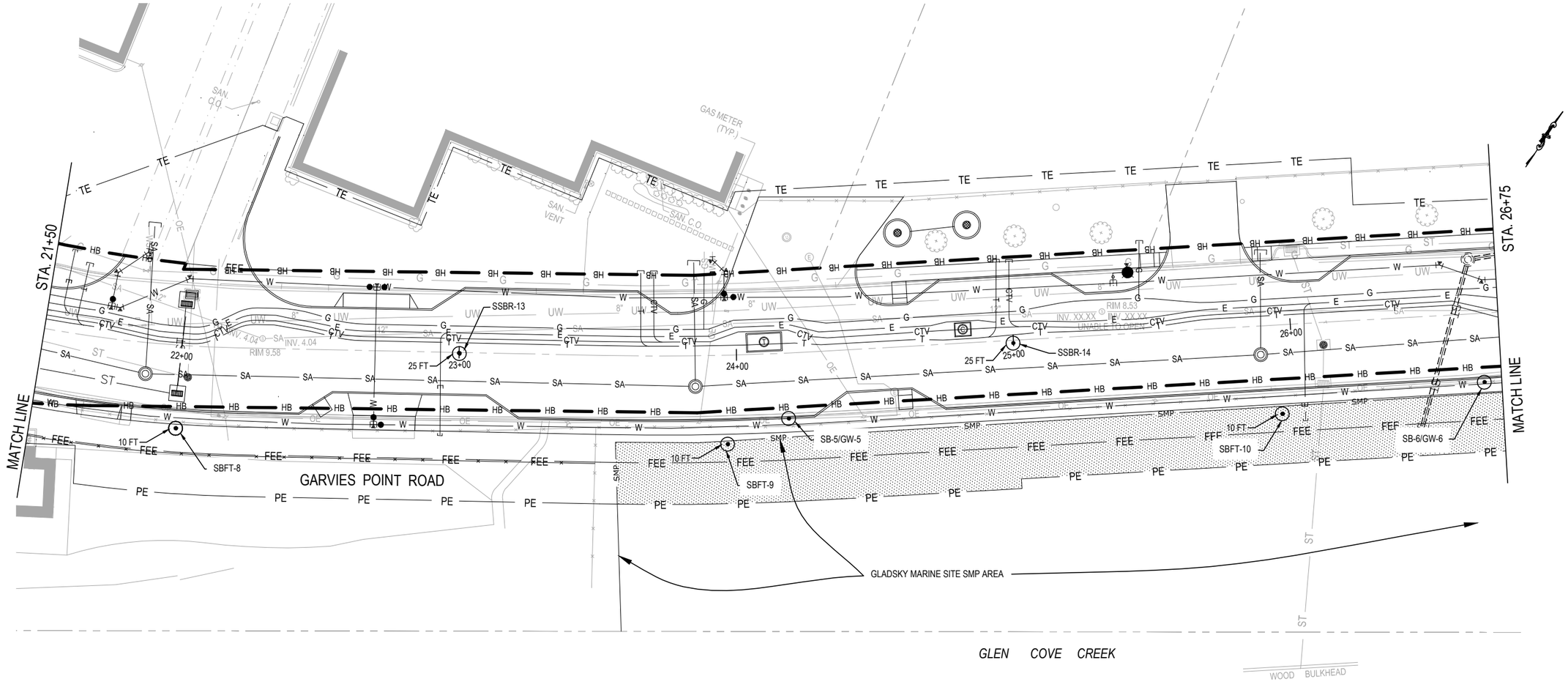

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2/ 6/ 15

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

Gannett Fleming

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CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CITY OF GLEN COVE
GARVIES POINT ROAD
HAZMAT PLAN

CONTRACT NUMBER

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SHEET NO.

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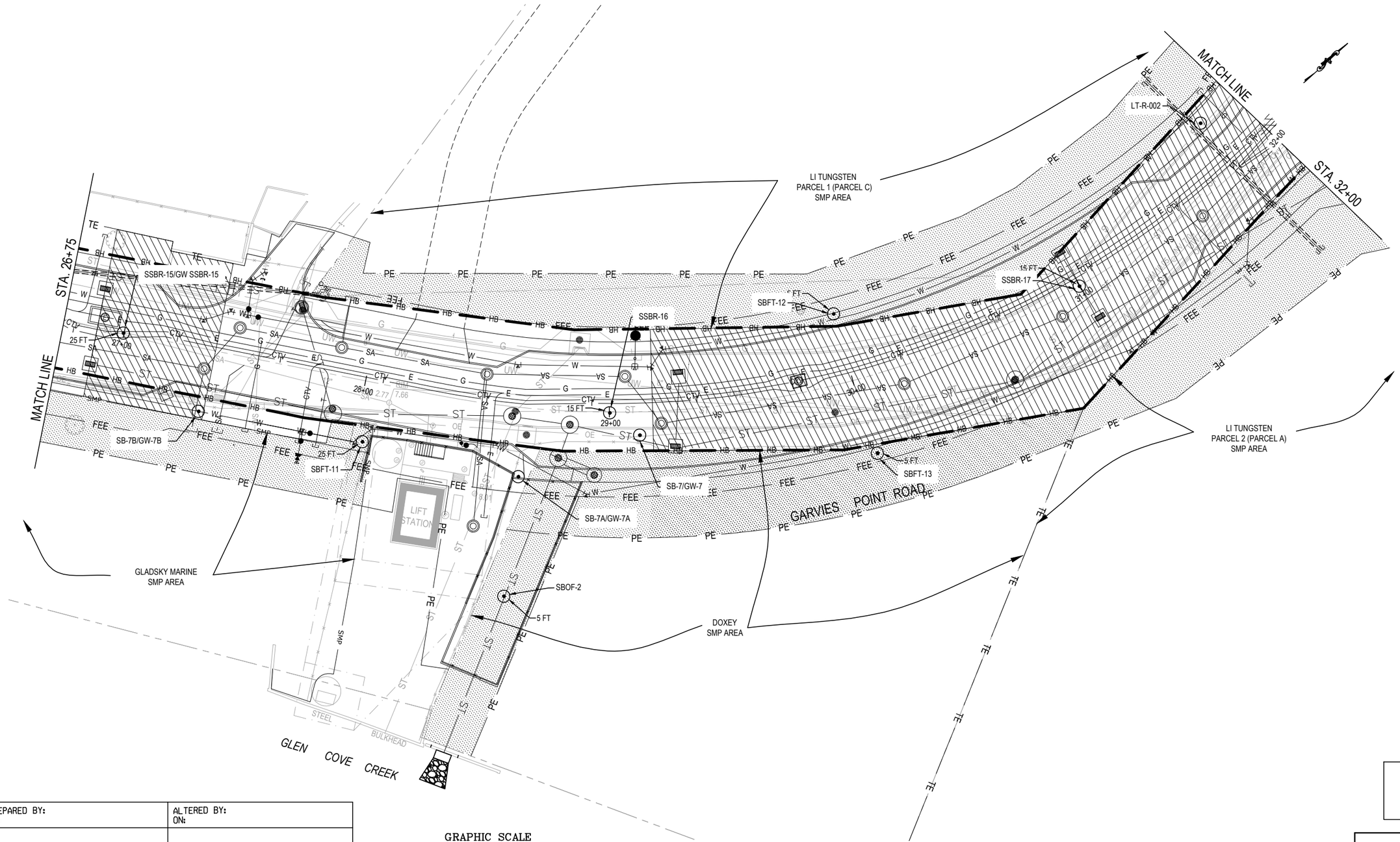

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GRAPHIC SCALE

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Gannett Fleming

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DESCRIPTION OF WORK: ----------
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COUNTY: NASSAU

PIN
PS&E DATE

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CITY OF GLEN COVE
GARVIES POINT ROAD
HAZMAT PLAN

CONTRACT NUMBER

DRAWING NO. HZM-9
SHEET NO.

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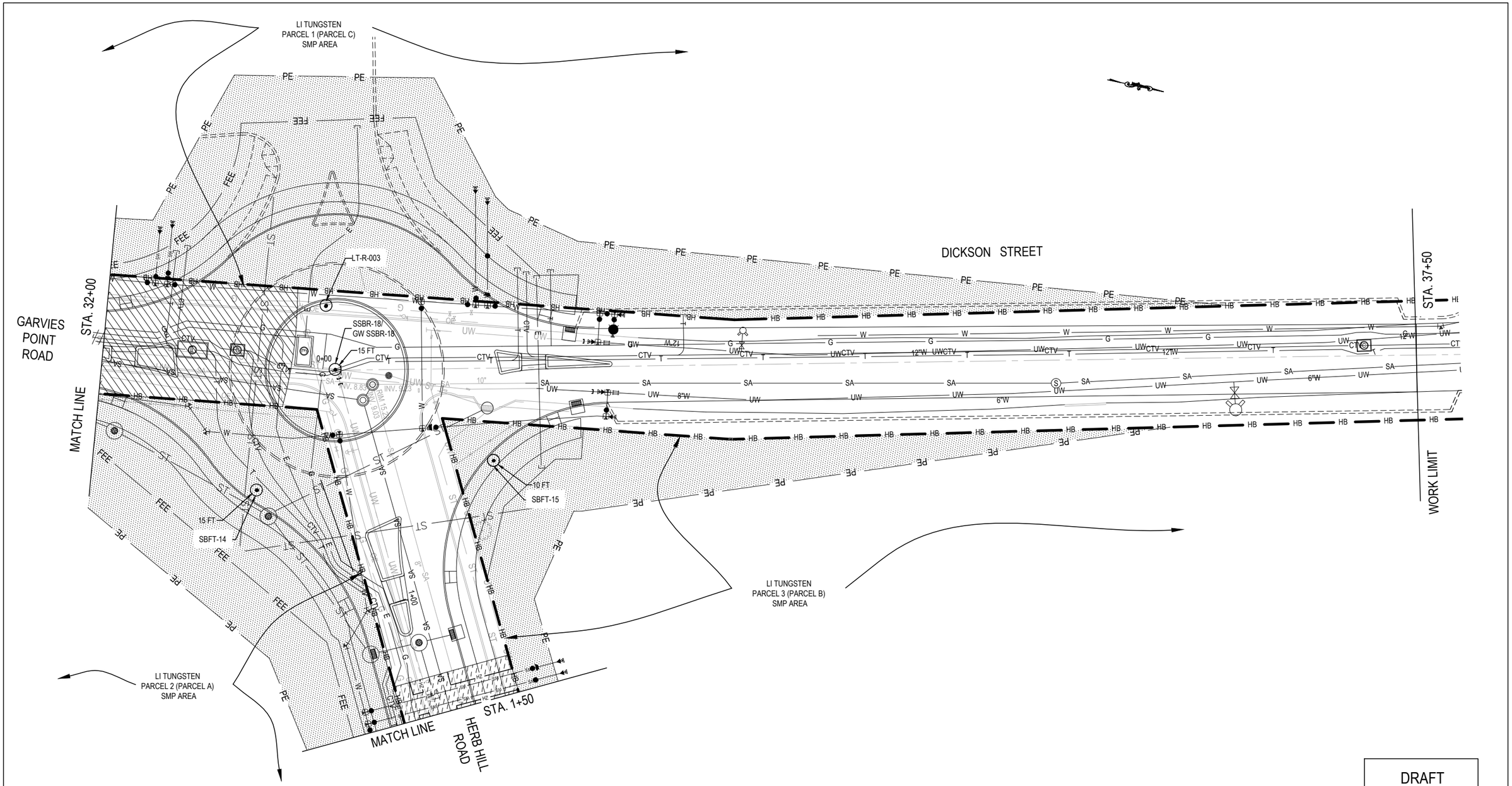

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GRAPHIC SCALE

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(IN FEET)
1 inch = 20 ft.

Gannett Fleming

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CULVERTS

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CONTRACT NUMBER

CITY OF GLEN COVE
GARVIES POINT ROAD / DICKSON STREET/
HERB HILL ROAD
HAZMAT PLAN

DRAWING NO. HZM-10
SHEET NO.

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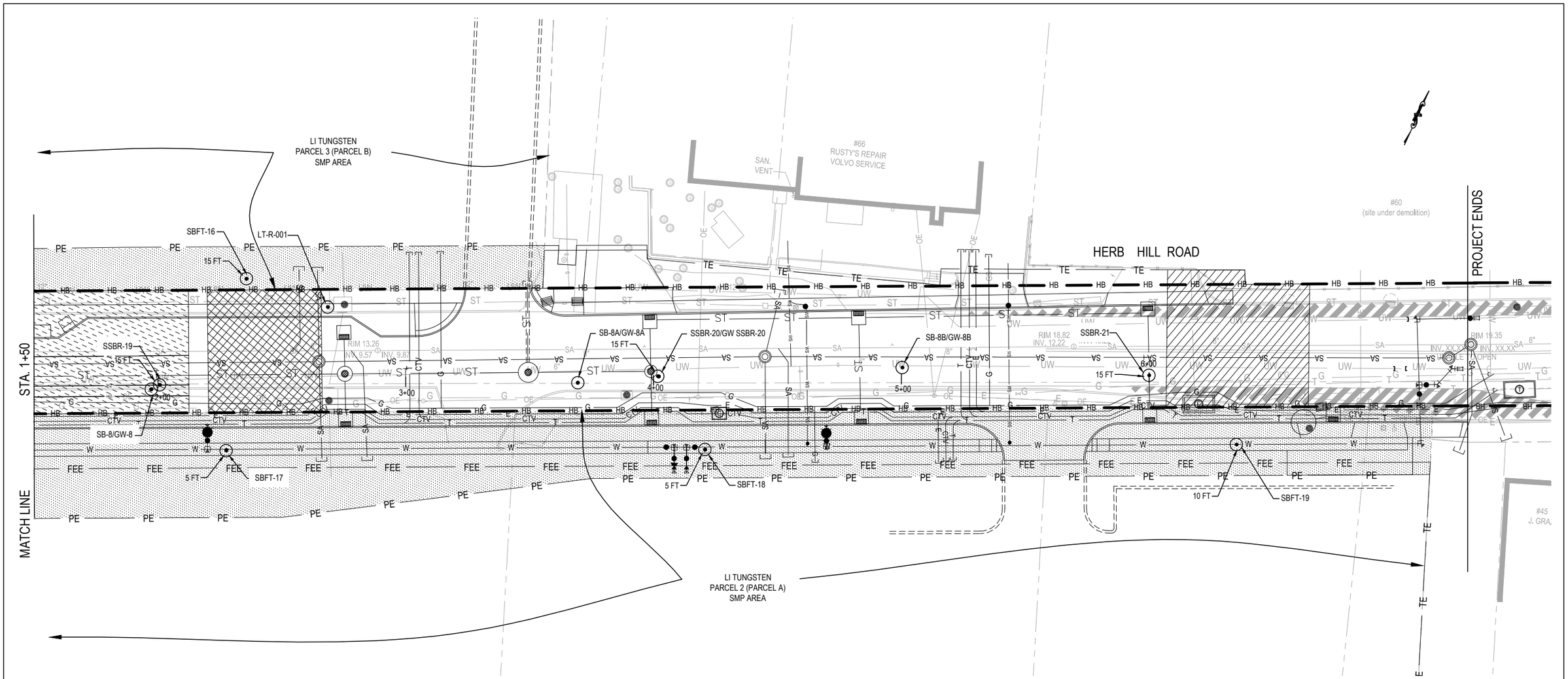

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CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CITI OF GLEN COVE
HERB HILL ROAD
HAZMAT PLAN

CONTRACT NUMBER

DRAWING NO. HZM-11
SHEET NO.

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