PHASE II INVESTIGATION REPORT

September 4, 2015

Submitted for:
11-51 47th Avenue
Long Island, NY 11101
Block 56, Lot 1
OER Project Number# 14EHAZ558Q
Hunters Point Rezoning

Submitted to:
New York City Office of Environmental Remediation
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1 PURPOSE & SCOPE

This Investigation Summary Report was prepared to document the investigative activities conducted to determine the environmental quality of the property located at 11-51 47th Avenue, Long Island City, NY (Block 51, Lot 1), herein identified as the Site. The scope of this investigation is based in response to the proposed development project as per a scoping requirement outlined in a Phase II scoping meeting with OER on May 30, 2014 and is outlined in the Phase II Work Plan by Impact Environmental Closures, Inc. dated July 8, 2015.

The investigative protocols proposed for this assessment were based, in part, upon the following documents: 1) the New York State Department of Environmental Conservation NYCRR Part 375 Environmental Remediation Programs, dated December 14, 2006; 2) the New York State Department of Health Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006; and 3) the New York State Department of Environmental Conservation, Division of Environmental Remediation, Draft DER-10 Technical Guidance For Site Investigation and Remediation, dated December 25, 2002. The activities performed under the scope of this investigation have been summarized in this report in the following sections.

- Site Description
- Sampling and Analysis Plan
- Laboratory Analysis
- Evaluation of Results

Presented herein are the results of the Phase II investigation conducted by Impact Environmental Closures Inc. on the Site.

2 SITE DESCRIPTION

2.1 Site Location

The Site is located in the Hunters Point section of Long Island City, Queens and is identified as Block 51 and Lot 1. **Figure 1** shows the Site location. The Site is approximately 0.48 acres (20,909 square feet) and is bound to the north by a two story warehouse building (46-30 21st Street) and 46th Road beyond; to the east by 21st Street; to the south by 47th Avenue and Jackson Avenue and residential/commercial buildings beyond; to the west by a three story commercial warehouse building (11-49 47th Avenue). A map of the Site boundary is shown in **Figure 2**.

2.2 Current Use

Currently, the Site is vacant and was recently used as office/warehouse space for various tenants and taxi/limo parking and repair services. The Site contains one 2-story building, a shed storage structure and asphalt paved parking area. The current zoning designation, as per Department of City Planning NYC zoning maps, is R7X M1-4/R6B with a C1-5 commercial overlay.

2.3 Proposed Development

The proposed use of the Site will consist of mixed-use residential and commercial retail, which is consistent with the existing zoning for the property. A 12-story 70,000 gross square foot mixed-use residential/commercial retail building with 60 residential units will be constructed. Sub-grade construction is not proposed for this development, the foundation structure will be slab-on-grade construction. The ground floor level will include 1,568 square feet of commercial retail space, residential lobby, tenant storage and utility rooms. The ground floor level will also include an indoor parking garage with 21 parking spaces. The footprint of the proposed 12-story building will be a full build out to the property lines, without any grade-level open spaces. Excavation of soil/fill during the proposed development is expected to be minimal and mainly required for the construction of the slab-on-grade footings, pile caps and grading operations. The water table is expected at depths greater than 14 feet below grade (bgs); therefore excavation is expected above the groundwater table. Demolition and removal of surfaces, sub-grade utilities and drainage structures is proposed prior to redevelopment activities. Proposed redevelopment plans are included in **Appendix D**.

2.4 Previous Investigations

2.4.1 Phase I Environmental Site Assessment

A Phase I Environmental Site Assessment (ESA) prepared by others identified the following on-site and off-site recognized environmental conditions (RECs):

- 11-51 47th Avenue was occupied by a dry cleaner in the 1970s
- 11-47 47th Avenue was occupied by an auto repair facility and utilized a large subsurface interceptor possibly designed to separate waste from the wastewater stream.
- 11-43 47th Avenue was occupied by a uniform laundry for 50 years.

Impact was unable to obtain a copy of the Phase I ESA referenced in the Limited Phase III Environmental Assessment dated June 20, 2013 and prepared by Jade Environmental, Inc. A Phase I ESA Environmental Review Memorandum dated July 23, 2013 and prepared by Wells Fargo Real Estate Technical Services Group is Included in **Appendix E**.

2.4.2 Limited Phase I ESA Summary

A Limited Phase II Environmental Assessment dated June 20, 2013 and prepared by Jade Environmental, Inc. Six soil borings were advanced from grade to a depth of 16 feet below grade. The limited investigation spanned 11-43 through 11-53 47th Avenue, therefore four of the six borings were installed outside of the Site boundary, one soil boring (SB-6) was installed within the Site and another (SB-1) within the sidewalk on 47th Avenue. Soil samples obtained from within the Site did not show evidence of petroleum contamination. Laboratory analysis of soil samples collected within the Site detected levels of lead and selenium above NYCRR Unrestricted Use Soil Cleanup Objectives (SCOs). The Limited Phase II ESA is included in **Appendix E.**

3 PHASE II INVESTIGATION ACTIVITIES

Impact Environmental Closures, Inc. (Impact Environmental) on behalf of 11-51 47th Avenue Associates, LLC performed the following scope of work:

1. Installed 6 soil borings (SB-1, SB-2, SB-3, SB-4, SB-5, SB-6) at the project Site, and collected 12 soil samples for chemical analysis from the soil borings to evaluate soil quality;
2. Installed 3 temporary groundwater monitoring wells (MW-1, MW-2, MW-3) at the Site, and collected 3 groundwater samples for chemical analysis;
3. Installed 5 soil vapor probe at the Site (SV-1, SV-2, SV-3, SV-4, SV-5), and collected 5 soil vapor samples for chemical analysis.
4. Prepared a Phase II Investigation Report based on investigation results.

An investigation of soil, groundwater and soil vapor was performed to properly characterize the site for potential environmental impacts from historic on-site/off-site uses, operations, etc. The sampling event addressed any RECs and historic fill, as well as provided general horizontal/vertical characterization across the site for development purposes. The sampling procedures of this investigation were performed in accordance with the NYSDEC Technical Guidance for Site Investigation and Remediation DER-10.

3.1 Subsurface Soil Sampling

On August 11 and 12, 2015, Impact Environmental collected soil samples from a total of 6 soil borings, identified as SB-1, SB-2, SB-3, SB-4, SB-5 and SB-6 in the locations depicted in **Figure 3**. The 6 soil boring locations were chosen to gain representative soil quality information across the Site.

3.1.1 Soil Boring Installation

All 6 soil borings were installed by a qualified driller utilizing a truck-mounted direct-push drill rig to a depth of 15 feet below existing grade (bgs). For each of the 6 soil borings, soil was recovered continuesly in 4-foot increments and soil samples were collected discretely at the 0-2 foot bgs interval, 4-6-foot bgs interval and at the ground water interface interval.

3.1.2 Soil Sampling Procedure

From each soil boring, one soil grab sample was retained representing the interval 0 to 2 feet bgs, one soil grab sample was retained representing the bottom two foot interval of 4 to 6 feet bgs, representing the deepest proposed development excavation depth, and one soil grab sample was retained representing the groundwater interface for a total of 12 soil samples. Each piece of sampling or other down hole equipment was decontaminated by wiping clean, washing with Alconox solution, rinsing with deionized water and air drying prior to each use in order to ensure that cross-contamination between sampling locations did not occur. Decontamination procedures were performed in an area segregated from any sampling areas.

Each of the 12 soil samples were collected in pre-cleaned, laboratory supplied glassware, appropriately labeled, stored in a cooler with ice and submitted for analysis under proper chain of custody procedures to Alpha Analytical Laboratories (Alpha) of Westborough, MA, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11148). Soil samples were analyzed for the presence of VOCs by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and target analyte list (TAL) metals by EPA Method 6010.

3.1.3 Headspace Analysis Procedure

Headspace analysis was performed on each of the acquired samples utilizing a portable photo ionization detection meter to measure what, if any, hydrocarbon concentrations were present in isolated portions of the secured samples. Headspace analyses were conducted on each soil sample by partially filling a zip-loc bag and sealing it, thereby creating a void. This void is referred to as the sample headspace. To facilitate the detection of any hydrocarbons contained within the headspace, the container was agitated for a period of 30 seconds. The probe of the vapor analyzer was then injected through the bag into the headspace to measure the hydrocarbon concentrations present. A MiniRae 3000, photo ionization detection meter (PID) was the organic vapor analyzer selected for the head space analysis. A PID utilizes the principle of photo ionization for detection and measurement of hydrocarbon compounds. A PID does not respond to all compounds similarly; rather, each compound has its own response factor relative to its calibration. For this investigation, the PID was calibrated to isobutylene. Hydrocarbon relative response factors for a PID calibrated to isobutylene are published by the manufacturer.

3.1.4 Field Headspace Analysis

Headspace analysis was performed on each subsurface soil samples acquired from borings SB-1 through SB-6 to provide precursory data regarding contamination. The headspace analysis detected concentrations of hydrocarbons above ambient levels in soil samples from several soil borings ranging from 2.5 ppm to 113 ppm. The results of the field analysis are presented in **Appendix A**.

3.1.5 Sample Characterization

A visual inspection of all samples recovered during the installation of each of the soil probes was conducted to identify any gross signs of chemical contamination and to classify the sample media. Color classifications were made in accordance with the Munsell Classification System. Gradation classifications were made in accordance with the Unified Soil Classification System. Soil boring logs are presented in **Appendix A**.

3.2 Groundwater Sampling

On August 12, 2015, one groundwater sample was collected from each of the three monitoring wells (MW-1, MW-2, MW-3). Each monitoring well was purged of 3 to 5 well volumes of groundwater. The water was allowed to recharge to the original level and a groundwater sample was then collected from each of the wells utilizing dedicated polyethylene tubing and a low-flow peristaltic pump for SVOCs, pesticides/PCBs and TAL metals samples and dedicated bailers for VOCs samples.

Each groundwater sample was placed into the following laboratory supplied glassware: 3 clean HCL preserved 40 milliliter (mL) vials, 2 clean nitric acid preserved 500 mL plastic container, and 6 clean unpreserved 1,000 mL jars. Sample glassware was appropriately labeled, stored in a cooler with ice and submitted for analysis under proper chain of custody procedures to Alpha Analytical Laboratories for analysis of VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and total TAL metals (filtered and unfiltered).

3.2.1 Monitoring Well Installation

1 inch-diameter temporary monitoring wells (MW-1, MW-2, MW-3) were installed to a depth of approximately 15 feet below grade surface. The wells were installed using a continuous flight Geoprobe system. Each well was constructed of 10 feet of screened interval (0.020 slot size, schedule 40, PVC). The annular space between the boring and the screened casing was filled with a filtration media which

extended 2 feet above the top of the screen. The annular space 1 foot above the filtration media was sealed with bentonite. The remainder of the bore hole was filled with grout. The location of the groundwater monitoring well is depicted in **Figure 3.**

3.3 Soil Vapor Sampling

On August 12, 2015 Impact Environmental installed 5 soil vapor probe implants (SV-1 through SV-5) at the site in the locations depicted in **Figure 3** and collected 5 soil vapor samples.

3.3.1 Soil Vapor Probe Installation

The soil vapor point implants were installed with a direct-push Geoprobe machine in accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion dated October 2006. The soil vapor point implants consisted of ½ inch diameter stainless steel screen fitted with dedicated polyethylene tubing. The implants were installed at a depth of 5 feet bgs with inert washed #1 crushed stone backfill material poured into the hole to fully encompass the screen implant and the hole sealed with bentonite and quick dry lock non VOC quick set cement.

3.3.2 Soil Vapor and Air Sampling Procedure

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe) of air was purged from the implant using a vacuum pump. After purging, a laboratory supplied pre-cleaned Summa canister, fitted with a 2-hour flow regulator was attached to the surface tube of each soil vapor implants. Sampling then proceeded by fully opening the flow control valve on each canister in turn. Immediately after opening the flow control valve on a canister, the initial vacuum (inches of mercury) was recorded in the field log and on the sample tag. When the vacuum level in the canister was between 5 and 8 inches of mercury (approx. 2 hours), the flow controller valve was closed, and the final vacuum recorded in the field notebook and on the sample tag.

The soil vapor samples was collected in an appropriate sized Summa canister that was certified clean by the laboratory and sample were analyzed by using USEPA Method TO-15. Flow rate for both purging and sampling did not exceed 0.2 L/min. A sample log sheet was maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of sampler, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters

before and after the samples are collected, apparent moisture content of the sampling zone, and chain of custody protocols. Soil vapor logs are presented in **Appendix A**.

3.3.3 Chemical Analysis

Chemical analytical work presented in this Investigation Report has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Tom Tanico
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Alpha Analytical Laboratory (ELAP Certification No. 11148)
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters with Helium detection.

4 ENVIRONMENTAL EVALUATION

4.1 Stratigraphy

Subsurface soil at the Site consisted of anthropogenic urban fill, which was primarily comprised of concrete, brick, stone, gravel, asphalt, and trace coal in a brown to dark-brown silty to medium coarse sand matrix. Anthropogenic urban fill was encountered from grade to 15 feet below grade (deepest soil boring depth). Bedrock was not encountered during this Phase II investigation. Soil boring logs are presented in **Appendix A**.

4.2 Soil Chemistry

Soil sample results were compared to NYSDEC Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs) as presented in NYSDEC Part 375-6 and CP51. Acetone, a common laboratory contaminant, was detected at concentrations above Unrestricted Use SCOs in one soil sample. BTEX compounds and other petroleum related volatile organic compounds were detected at trace levels below Unrestricted Use SCOs in one sample. PCE was detected at trace levels below Unrestricted Use SCOs in four soil samples. TCE, TCA, vinyl chloride, carbon tetrachloride and other chlorinated VOCs were not detected in soil samples collected during this investigation.

Several SVOC polycyclic aromatic hydrocarbons (PAHs) (benzo compounds and indeno(1,2,3-cd)pyrene) were detected above Restricted Residential SCOs within two shallow and one deep soil samples. Maximum concentrations for each of these compounds were found in the shallow sample (0’-2’) collected at SB-3: benzo(a)anthracene at 1,600 ug/kg, benzo(a)pyrene at 1,600 ug/kg, benzo(b)fluoranthene at 2,000 ug/kg, and ideno(1,2,3-cd)pyrene at 1,200 ug/kg. Benzo(k)fluoranthene and Chrysene exceeded Unrestricted Use SCOs in borings SB-3 (0’-2’), SB-3 (4’-6’) and SB-4 (0’-2’) at 830 ug/kg and 1,600 ug/kg respectivly.

One pesticides (4,4-DDD) was detected above Unrestricted Use SCOs in the three shallow soil samples (SB-1, SB-3, SB-4) at maximum concentrations of 16.1 ug/kg. Dieldrin was detected above Unrestricted Use SCOs in one shallow soil sample at a oncentration of 17.2 ug/kg. Polychlorinated biphenyls (PCBs) were detected above Unrestricted SCOs in shallow soil sample, SB-1, at 826 ug/kg.

Three metals (arsenic [max. of 19 mg/kg], lead [max. of 3,400 mg/kg] and mercury [max. of 2.3 mg/kg]) were detected above Restricted Residential Use SCOs in the two shallow soil samples and two

groundwater interface soil samples. Six metals (arsenic, cadmium, copper, lead, mercury, and zinc) were detected above Unrestricted Use SCOs in seven soil samples.

Overall, soil results are consistent with historic fill material at sites throughout NYC.

Data collected during this investigation is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analysis performed on soil samples in included in **Table 1**. A copy of the laboratory report is provided in **Appendix C**. **Figure 4** depicts the location and posts the values of the soil chemistry results.

4.3 Groundwater Chemistry

Groundwater results were compared to NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS). No pesticides or PCBs were detected in the groundwater samples collected during this investigation. BTEX and other petroleum related VOCs were detected at trace concentrations below AWQS in the three groundwater samples. TCE was detected at trace concentrations below AWQS in MW-2. Trace levels of eight metals were detected below AWQS in the groundwater sample collected during this investigation.

PCE, vinyl chloride and cis-1,2-dichloroethene were detected at concentration above AWQS, 9.2 ug/L, 3.8 ug/L and 8.4 ug/L, respectively in MW-2.

Several SVOC (acenaphthene, benzo-a-anthracene, benzo-b-fluoranthene, benzo-k-fluoranthene, chrysene, indeno(1,2,3-cd)pyrene) were detected above AWQS in all 3 monitoring wells at concentrations ranging from 0.07 ug/L to 21 ug/L.

A summary table of data for chemical analysis performed on the groundwater sample in included in **Table 2**. A copy of the laboratory report is provided in **Appendix C**. **Figure 5** depicts the location and posts the values of the groundwater chemistry results

4.4 Soil Vapor Chemistry

Soil vapor samples, SV-1 through SV-5, collected during this investigation were compared to the compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion. Laboratory analysis of the soil vapor samples detected BTEX in 4 soil vapor samples ranging from 27.3 ug/m^3 to

102.4 ug/m^3 . PCE and TCE were detected above guidance levels at concentration of 7,320 ug/m^3 and 63.4 ug/m^3 , respectively. TCA was detected at 7.42 ug/m^3 and methylene chloride at 5.73 ug/m^3 in SV-1. Other VOCs were detected in all samples at concentrations ranging from 2.34 ug/m^3 to 188 ug/m^3 .

Data collected during this investigation is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analysis performed on the soil vapor sample is included in **Table 3**. A copy of the laboratory report is provided in **Appendix C**. **Figure 6** depicts the location and posts the values of the soil vapor chemistry results.

TABLES

Table 1 - Soil Analysis Summary
11-51 47th Avenue, Long Island City, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	SB1 (0'-2')	SB 1 (10'-11')	SB 2 (0'-2')	SB 2 (4'-6')	SB 2 (12'-13')	SB 3 (0'-2')	SB 3 (4'-6')	SB 4 (0'-2')	SB 5 (0'-2')	SB 5 (4'-6')	SB 5 (9'-10')	SB 6 (0'-2')
		Depth			0'-2'	10'-11'	0'-2'	4'-6'	12'-13'	0'-2'	4'-6'	0'-2'	0'-2'	4'-6'	9'-10'	0'-2'
		Date			8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/12/2015	8/12/2015	8/12/2015
	Sample ID	Unit	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
71-55-6	1,1,1-Trichloroethane (TCA)	VOC	680	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	VOC	270	26,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	VOC	330	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95-63-6	1,2,4-Trimethylbenzene	VOC	3,600	52,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.61
95-50-1	1,2-Dichlorobenzene	VOC	1,100	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	VOC	20c	3,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-67-8	1,3,5-Trimethylbenzene	VOC	8,400	52,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.31
541-73-1	1,3-Dichlorobenzene	VOC	2,400	49,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	VOC	1,800	13,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
123-91-1	1,4-Dioxane	VOC	100b	13,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
78-93-3	2-Butanone	VOC	120	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	ND	ND
67-64-1	Acetone	VOC	50	100,000b	ND	ND	ND	ND	26	ND	ND	1.2	ND	86	ND	ND
71-43-2	Benzene	VOC	60	4,800	ND	ND	0.84	ND	ND	ND	ND	ND	ND	ND	ND	ND
56-23-5	Carbon Tetrachloride	VOC	760	2,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	VOC	1,100	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67-66-3	Chloroform	VOC	370	49,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	VOC	250	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	VOC	1,000	41,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-09-2	Methylene Chloride	VOC	50	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1634-04-4	Methyl Tert-Butyl Ether	VOC	930	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
91-20-3	Naphthalene	SVOC	12,000	100,000a	ND	ND	ND	ND	ND	ND	99	ND	ND	ND	ND	ND
104-51-8	n-Butylbenzene	VOC	12,000	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
103-65-1	n-Propylbenzene	VOC	3,900	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
135-98-8	sec-Butylbenzene	VOC	11,000	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
98-06-6	tert-Butylbenzene	VOC	5,900	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene (PCE)	VOC	1,300	19,000	ND	ND	1	0.63	ND	24	27	ND	ND	ND	ND	ND
108-88-3	Toluene	VOC	700	100,000a	ND	ND	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
1330-20-7	Total Xylenes	VOC	260	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloroethene	VOC	190	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
79-01-6	Trichloroethene (TCE)	VOC	470	21,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-01-4	Vinyl Chloride	VOC	20	900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total BTEX				ND	ND	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOCs				ND	ND	2.09	0.63	26	24	126	1.2	ND	102	ND	0.92
83-32-9	Acenaphthene	SVOC	20,000	100,000a	150	ND	ND	ND	110	91	160	240	ND	ND	ND	ND
208-96-8	Acenaphthylene	SVOC	100,000a	100,000a	ND	ND	ND	ND	ND	260	280	210	38	ND	ND	ND
120-12-7	Anthracene	SVOC	100,000a	100,000a	420	51	61	ND	140	380	500	580	ND	ND	ND	ND
56-55-3	Benzo-a-Anthracene	SVOC	1,000c	1,000f	740	180	240	98	360	**1600**	**1600**	**1400**	150	ND	ND	ND
50-32-8	Benzo-a-Pyrene	SVOC	1,000c	1,000f	530	190	280	96	320	**1600**	**1500**	**1100**	150	ND	ND	ND
205-99-2	Benzo-b-Fluoranthene	SVOC	1,000c	1,000f	710	230	340	120	380	**2000**	**2000**	**1300**	190	ND	43	ND
207-08-9	Benzo-k-Fluoranthene	SVOC	800c	3,900	290	71	120	ND	150	830	720	570	75	ND	ND	ND
191-24-2	Benzo-g,h,i-Perylene	SVOC	100,000	100,000a	390	130	240	73	180	1100	960	670	110	ND	ND	ND
218-01-9	Chrysene	SVOC	1,000c	3,900	670	200	280	95	370	1600	1600	1400	150	ND	ND	ND
132-64-9	Dibenzofuran	SVOC	7,000	59,000	ND	ND	ND	ND	ND	ND	100	ND	ND	ND	ND	ND
53-70-3	Dibenzo-a,h-Anthracene	SVOC	330b	330e	90	ND	ND	ND	65	320	280	190	ND	ND	ND	ND
206-44-0	Fluoranthene	SVOC	100,000	100,000a	1500	320	400	170	640	2600	2800	2700	230	ND	52	ND
86-73-7	Fluorene	SVOC	30,000	100,000a	ND	ND	ND	ND	ND	91	140	220	ND	ND	ND	ND
118-74-1	Hexachlorobenzene	SVOC	330	1,200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	500c	500f	340	120	220	ND	190	**1200**	**1000**	**690**	110	ND	ND	ND
85-01-8	Phenanthrene	SVOC	100,000	100,000a	1400	220	180	120	500	1400	1800	3100	84	ND	42	ND
129-00-0	Pyrene	SVOC	100,000	100,000a	1200	300	410	170	570	2400	2600	2600	220	ND	46	ND
	Total cPAHs				3,370	991	1480	409	1835	9,150	8,700	6,650	825	ND	43	ND
	Total SVOCs				8,430	2012	2,771	942	3975	17,472	18,040	16,970	1507	ND	183	ND

Table 1 - Soil Analysis Summary
11-51 47th Avenue, Long Island City, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	SB1 (0'-2')	SB 1 (10'-11')	SB 2 (0'-2')	SB 2 (4'-6')	SB 2 (12'-13')	SB 3 (0'-2')	SB 3 (4'-6')	SB 4 (0'-2')	SB 5 (0'-2')	SB 5 (4'-6')	SB 5 (9'-10')	SB 6 (0'-2')
		Depth			0'-2'	10'-11'	0'-2'	4'-6'	12'-13'	0'-2'	4'-6'	0'-2'	0'-2'	4'-6'	9'-10'	0'-2'
		Date			8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/12/2015	8/12/2015	8/12/2015
	Sample ID	Unit	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-72-1	2,4,5-TP Acid	PESTICIDE	3,800	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-54-8	4,4-DDD	PESTICIDE	3.3b	13,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-55-9	4,4-DDE	PESTICIDE	3.3b	8,900	ND	ND	ND	ND	ND	ND	ND	2.08	ND	ND	ND	ND
50-29-3	4,4-DDT	PESTICIDE	3.3b	7,900	16.1	ND	1.95	ND	ND	4.8	ND	8.44	ND	ND	ND	ND
309-00-2	Aldrin	PESTICIDE	5c	97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
319-84-6	alpha-BHC	PESTICIDE	20	480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5103-71-9	Alpha Chlordane	PESTICIDE	94	4,200	ND	ND	2.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
12674-11-2	Aroclor 1016	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1104-28-2	Aroclor 1221	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11141-16-5	Aroclor 1232	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53469-21-9	Aroclor 1242	PCB	NA	NA	ND	17.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12672-29-6	Aroclor 1248	PCB	NA	NA	323	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11097-69-1	Aroclor 1254	PCB	NA	NA	248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11096-82-5	Aroclor 1260	PCB	NA	NA	255	ND	ND	ND	ND	31.6	97.4	75	ND	ND	ND	ND
	Aroclor 1265	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Aroclor 1268	PCB	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
319-85-7	beta-BHC	PESTICIDE	36	360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
319-86-8	delta-BHC	PESTICIDE	40	100,000a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
60-57-1	Dieldrin	PESTICIDE	5	200	17.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
959-98-8	Endosulfan I	PESTICIDE	2,400	24,000i	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33213-65-9	Endosulfan II	PESTICIDE	2,400	24,000i	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1031-07-8	Endosulfan Sulfate	PESTICIDE	2,400	24,000i	ND	ND	ND	ND	ND	ND	ND	9.35	ND	ND	ND	ND
72-20-8	Endrin	PESTICIDE	14	11,000	7.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
58-89-9	gamma-BHC	PESTICIDE	100	1,300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
76-44-8	Heptachlor	PESTICIDE	42	2,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1336-36-3	Polychlorinated Biphenyls	PCB	100	1,000	826	17.9	ND	ND	ND	31.6	97.4	75	ND	ND	ND	ND
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7440-38-2	Arsenic, As	METAL	13c	16f	9.5	**19**	4.6	5.9	10	12	15	12	8.3	5.1	8.2	4.3
7440-39-3	Barium, Ba	METAL	350c	400	130	96	32	30	38	140	160	93	36	2.8	34	20
7440-41-7	Beryllium, Be	METAL	7.2	72	0.24	0.27	0.21	0.2	0.14	0.29	0.31	0.26	0.24	0.29	0.38	0.12
7440-43-9	Cadmium, Cd	METAL	2.5c	4.3	2.9	ND	ND	ND	ND	ND	0.59	0.55	0.19	ND	ND	ND
7440-47-3	Chromium, Cr	METAL	NA	110	18	11	9.3	10	6.4	13	14	14	11	4.5	12	4.2
18540-29-9	Chromium, hexavalent	METAL	1b	110	ND	ND	ND	ND	ND	ND	ND	0.58	ND	ND	ND	ND
16065-83-1	Chromium, trivalent	METAL	30c	180	18	11	9.3	10	6.4	13	14	13	11	4.5	12	4.2
7440-50-8	Copper, Cu	METAL	50	270	87	34	24	22	35	62	65	50	25	5.8	11	8.2
57-12-5	Cyanide	METAL	27	27	1.2	0.48	ND	ND	ND	ND	0.36	0.54	ND	ND	ND	ND
7439-92-1	Lead, Pb	METAL	63c	400	**650**	**3400**	32	48	110	240	270	**540**	62	ND	2	20
7439-96-5	Manganese, Mn	METAL	1,600c	2,000f	140	140	170	180	180	280	290	210	210	11	250	82
7439-97-6	Mercury, Hg	METAL	.18c	.81j	0.04	**2.3**	0.05	0.04	**0.88**	**0.87**	0.39	0.26	0.33	0.06	0.04	0.03
7440-02-0	Nickel, Ni	METAL	30	310	20	9.1	8.8	7.5	8.5	12	16	15	13	2.8	9.8	4.2
7782-49-2	Selenium, Se	METAL	3.9c	180	ND	1.5	ND	ND	0.39	ND	ND	ND	ND	0.18	ND	ND
7440-22-4	Silver, Ag	METAL	2	180	1.1	ND	ND	ND	ND	ND	0.12	ND	ND	ND	ND	ND
7440-66-6	Zinc, Zn	METAL	109c	10,000d	240	210	40	37	110	210	260	240	990	7.4	30	29

Notes: Shaded values indicate an exceedance of NYCRR 375 Restricted Residential and NYCRR 375 Unrestriced Use values.

J = Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit

Table 2 - Groundwater Analysis Summary
11-51 47th Avenue, Long Island City, NY

CAS Number	Parameter Name	Parameter ID	NYSDEC TOGS 1.1.1 Groundwater Quality Standards	MW-1	MW-2	MW-3
		GW Depth		10.3'	9.6'	9.3'
		Date		8/12/2015	8/12/2015	8/12/2015
	Sample ID	Unit	*ug/L*	*ug/L*	*ug/L*	*ug/kg*
71-55-6	1,1,1-Trichloroethane (TCA)	VOC	5	ND	ND	ND
75-34-3	1,1-Dichloroethane	VOC	5	ND	ND	ND
75-35-4	1,1-Dichloroethene	VOC	5	ND	ND	ND
95-63-6	1,2,4-Trimethylbenzene	VOC	5	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	VOC	3	ND	ND	ND
107-06-2	1,2-Dichloroethane	VOC	0.6	ND	ND	ND
108-67-8	1,3,5-Trimethylbenzene	VOC	5	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	VOC	3	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	VOC	3	ND	ND	ND
123-91-1	1,4-Dioxane	VOC	NS	ND	ND	ND
110-57-6	trans-1,4-Dichloro-2-butene	VOC	5	ND	ND	ND
78-93-3	2-Butanone	VOC	50	ND	ND	ND
67-64-1	Acetone	VOC	50	ND	ND	ND
71-43-2	Benzene	VOC	1	ND	0.22	ND
56-23-5	Carbon Tetrachloride	VOC	5	ND	ND	ND
108-90-7	Chlorobenzene	VOC	5	ND	ND	ND
67-66-3	Chloroform	VOC	7	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	VOC	5	ND	8.4	ND
100-41-4	Ethylbenzene	VOC	5	ND	ND	ND
75-09-2	Methylene Chloride	VOC	5	ND	ND	ND
1634-04-4	Methyl Tert-Butyl Ether	VOC	10	ND	ND	ND
91-20-3	Naphthalene	SVOC	10	0.08	0.75	0.11
104-51-8	n-Butylbenzene	VOC	5	ND	ND	ND
103-65-1	n-Propylbenzene	VOC	5	ND	ND	ND
135-98-8	sec-Butylbenzene	VOC	5	ND	ND	ND
98-06-6	tert-Butylbenzene	VOC	5	ND	ND	ND
127-18-4	Tetrachloroethene (PCE)	VOC	5	ND	9.2	ND
108-88-3	Toluene	VOC	5	ND	ND	0.79
95-47-6	o Xylene	VOC	5	ND	ND	1.7
	m,p Xylene	VOC	5	ND	ND	0.7
1330-20-7	Total Xylenes	VOC	NS	ND	ND	2.4
156-60-5	trans-1,2-Dichloroethene	VOC	5	ND	ND	ND
79-01-6	Trichloroethene (TCE)	VOC	5	ND	3.5	ND
75-01-4	Vinyl Chloride	VOC	2	ND	3.8	ND
	Total BTEX			ND	0.22	3.19
	Total VOCs			0.08	25.87	5.7
83-32-9	Acenaphthene	SVOC	20	ND	21	ND
208-96-8	Acenaphthylene	SVOC	NS	ND	ND	ND
120-12-7	Anthracene	SVOC	50	0.04	2	ND
56-55-3	Benzo-a-Anthracene	SVOC	0.002	0.12	1.9	0.11
50-32-8	Benzo-a-Pyrene	SVOC	NS	0.17	1.4	0.16
205-99-2	Benzo-b-Fluoranthene	SVOC	0.002	0.18	1.9	0.15
207-08-9	Benzo-k-Fluoranthene	SVOC	0.002	0.07	0.69	ND
191-24-2	Benzo-g,h,i-Perylene	SVOC	NS	0.11	0.93	ND
218-01-9	Chrysene	SVOC	0.002	0.12	1.6	0.11
132-64-9	Dibenzofuran	SVOC	NS	ND	5.6	ND
53-70-3	Dibenzo-a,h-Anthracene	SVOC	NS	ND	0.16	ND
206-44-0	Fluoranthene	SVOC	50	0.24	7.9	0.2
86-73-7	Fluorene	SVOC	50	ND	10	ND
118-74-1	Hexachlorobenzene	SVOC	0.04	ND	ND	ND
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	0.002	0.11	0.98	ND
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	5	ND	ND	ND
85-01-8	Phenanthrene	SVOC	50	0.11	16	0.11
129-00-0	Pyrene	SVOC	50	0.24	6.3	0.21
	Total cPAHs			0.60	8.63	0.37
	Total SVOCs			1.51	78.4	1.05

Table 2 - Groundwater Analysis Summary
11-51 47th Avenue, Long Island City, NY

CAS Number	Parameter Name	Parameter ID	NYSDEC TOGS 1.1.1 Groundwater Quality Standards	MW-1	MW-2	MW-3
		GW Depth		10.3'	9.6'	9.3'
		Date		8/12/2015	8/12/2015	8/12/2015
	Sample ID	Unit	*ug/L*	*ug/L*	*ug/L*	*ug/kg*
72-54-8	4,4-DDD	PESTICIDE	0.3	ND	ND	ND
72-55-9	4,4-DDE	PESTICIDE	0.2	ND	ND	ND
50-29-3	4,4-DDT	PESTICIDE	0.2	ND	ND	ND
309-00-2	Aldrin	PESTICIDE	0	ND	ND	ND
319-84-6	alpha-BHC	PESTICIDE	0.01	ND	ND	ND
5103-71-9	Alpha Chlordane	PESTICIDE	NS	ND	ND	ND
12674-11-2	Aroclor 1016	PCB	NS	ND	ND	ND
1104-28-2	Aroclor 1221	PCB	NS	ND	ND	ND
11141-16-5	Aroclor 1232	PCB	NS	ND	ND	ND
53469-21-9	Aroclor 1242	PCB	NS	ND	ND	ND
12672-29-6	Aroclor 1248	PCB	NS	ND	ND	ND
11097-69-1	Aroclor 1254	PCB	NS	ND	ND	ND
11096-82-5	Aroclor 1260	PCB	NS	ND	ND	ND
319-85-7	beta-BHC	PESTICIDE	0.04	ND	ND	ND
319-86-8	delta-BHC	PESTICIDE	0.04	ND	ND	ND
60-57-1	Dieldrin	PESTICIDE	0.004	ND	ND	ND
959-98-8	Endosulfan I	PESTICIDE	NS	ND	ND	ND
33213-65-9	Endosulfan II	PESTICIDE	NS	ND	ND	ND
1031-07-8	Endosulfan Sulfate	PESTICIDE	NS	ND	ND	ND
72-20-8	Endrin	PESTICIDE	0	ND	ND	ND
58-89-9	gamma-BHC	PESTICIDE	0.05	ND	ND	ND
76-44-8	Heptachlor	PESTICIDE	0.04	ND	ND	ND
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	0.09	ND	ND	ND
	Unit		*mg/L*	*mg/kg*	*mg/kg*	*mg/kg*
7440-38-2	Arsenic, As - Dissolved	METAL	25	0.0023	0.0064	0.0028
7440-39-3	Barium, Ba - Dissolved	METAL	1000	0.232	1.1813	0.1741
7440-41-7	Beryllium, Be - Dissolved	METAL	3	ND	ND	ND
7440-43-9	Cadmium, Cd - Dissolved	METAL	5	ND	ND	ND
7440-47-3	Chromium, Cr - Dissolved	METAL	50	0.0006	0.0005	0.0003
7440-50-8	Copper, Cu - Dissolved	METAL	200	ND	0.0011	0.0005
7439-92-1	Lead, Pb - Dissolved	METAL	25	0.0004	0.0045	0.0007
7439-96-5	Manganese, Mn - Dissolved	METAL	300	2.744	1.299	1.379
7439-97-6	Mercury, Hg - Dissolved	METAL	0.7	ND	ND	ND
7440-02-0	Nickel, Ni - Dissolved	METAL	100	0.0009	0.004	0.001
7782-49-2	Selenium, Se - Dissolved	METAL	10	ND	ND	ND
7440-22-4	Silver, Ag - Dissolved	METAL	50	ND	ND	ND
7440-66-6	Zinc, Zn - Dissolved	METAL	2000	0.0081	0.0078	0.0062
7440-38-2	Arsenic, As - Total	METAL	25	0.0132	0.0525	0.0074
7440-39-3	Barium, Ba - Total	METAL	1000	0.4574	0.831	0.2579
7440-41-7	Beryllium, Be - Total	METAL	3	0.0004	0.0018	ND
7440-43-9	Cadmium, Cd - Total	METAL	5	0.0012	0.003	0.0003
7440-47-3	Chromium, Cr - Total	METAL	50	0.0183	0.0889	0.0059
7440-50-8	Copper, Cu - Total	METAL	200	0.0878	0.3168	0.026
7439-92-1	Lead, Pb - Total	METAL	25	0.718	2.515	0.105
7439-96-5	Manganese, Mn - Total	METAL	300	3.392	2.794	1.415
7439-97-6	Mercury, Hg - Total	METAL	0.7	0.0025	0.00365	0.00236
7440-02-0	Nickel, Ni - Total	METAL	100	0.0133	0.0549	0.0043
7782-49-2	Selenium, Se - Total	METAL	10	0.001	0.005	ND
7440-22-4	Silver, Ag - Total	METAL	50	0.001	0.0018	0.0001
7440-66-6	Zinc, Zn - Total	METAL	2000	0.3857	1.232	0.1133

Notes: Shaded values indicate an exceedance of NYSDEC TOGS 1.1.1 Groundwater Quality Standards

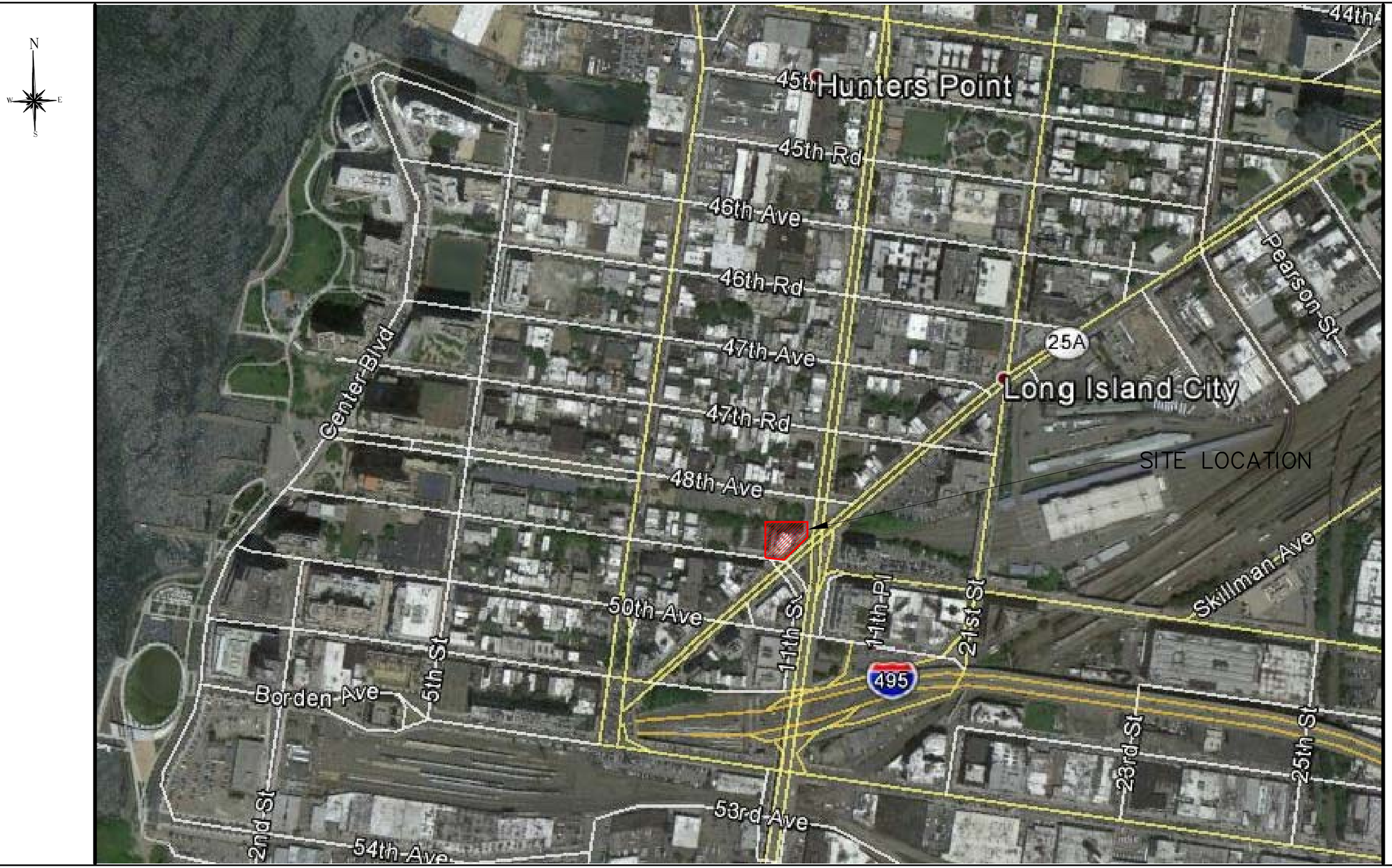
J = Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit

Table 3 - Soil Vapor Analysis Summary
11-51 47th Avenue, Long Island City NY

CAS Number	Parameter Name	NYSDOH FINAL SVI GUIDANCE TABLE 3.1 AIR GUIDE LINES	SV-1	SV-2	SV-3	SV-4	SV-5
		Depth	5-ft	5-ft	5-ft	5-ft	5-ft
		Date	8/12/2015	8/12/2015	8/12/2015	8/12/2015	8/12/2015
	Sample ID		*ug/m^3*	*ug/m^3*	*ug/m^3*	*ug/m^3*	*ug/m^3*
71-55-6	1,1,1-Trichloroethane (TCA)	-	7.42	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	-	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	-	ND	ND	ND	ND	ND
76-13-1	1,1,2 Trichloro-1,2,2 Trifluoroethane	-	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	-	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	-	ND	ND	ND	ND	ND
95-63-6	1,2,4-Trimethylbenzene	-	3.19	ND	ND	14.8	4.11
106-93-4	1,2-Dibromoethane	-	ND	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	-	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	-	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	-	ND	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	-	ND	ND	ND	ND	ND
108-67-8	1,3,5-Trimethylbenzene	-	ND	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	-	ND	ND	ND	ND	ND
106-99-0	1,3-Butadiene	-	ND	ND	113	ND	4.34
106-46-7	1,4-Dichlorobenzene	-	ND	ND	ND	ND	ND
123-91-1	1,4-Dioxane	-	ND	ND	ND	ND	ND
540-84-1	2,2,4-Trimethylpentane	-	6.26	ND	ND	55.1	ND
78-93-3	2-Butanone	-	ND	ND	106	114	44.5
591-78-6	2-Hexanone	-	ND	ND	ND	ND	4.59
108-10-1	4-Methyl-2-Pentanone	-	ND	ND	ND	ND	21.3
107-05-1	3-Chloropropene	-	ND	ND	ND	ND	ND
622-96-8	4-Ethyltoluene	-	ND	ND	ND	ND	ND
67-64-1	Acetone	-	32.3	ND	793	4300	684
71-43-2	Benzene	-	ND	ND	39.9	5.91	9.55
100-44-7	Benzyl chloride	-	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	-	ND	ND	ND	ND	ND
75-25-2	Bromoform	-	ND	ND	ND	ND	ND
74-83-9	Bromomethane	-	ND	ND	ND	ND	ND
75-15-0	Carbon Disulfide	-	4.24	ND	23.5	14.7	15.1
56-23-5	Carbon Tetrachloride	-	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	-	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	-	ND	ND	ND	ND	ND
75-00-3	Chloroethane	-	ND	ND	ND	ND	ND
67-66-3	Chloroform	-	7.23	ND	ND	ND	13.2
74-87-3	Chloromethane	-	ND	ND	5.49	39.4	6.32
542-75-6	cis-1,3-Dichloropropene	-	ND	ND	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	-	ND	ND	ND	ND	ND
110-82-7	Cyclohexane	-	2.34	ND	46.1	ND	44.1
75-71-8	Dichlorodifluoromethane	-	16.2	77.6	14	19.9	17.2
100-41-4	Ethylbenzene	-	3.16	ND	ND	9.47	4.78
64-17-5	Ethanol	-	ND	ND	188	622	105
141-78-6	Ethyl Acetate	-	ND	ND	ND	ND	ND
76-14-2	Freon-114	-	ND	ND	ND	ND	ND
142-82-5	Heptane	-	2.52	ND	27.6	9.71	25.8
87-68-3	Hexachlorobutadiene	-	ND	ND	ND	ND	ND
67-63-0	Isopropanol	-	11.5	ND	31.2	178	31
75-09-2	Methylene Chloride	60	5.73	ND	ND	17.6	10.8
1634-04-4	Methyl Tert-Butyl Ether	-	ND	ND	ND	ND	ND
110-54-3	n-Hexane	-	2.38	ND	91.3	18.1	23.5
1330-20-7	p/m-Xylene	-	13.6	ND	26.6	43	20.1
95-47-6	o-Xylene	-	5.04	ND	9.3	14.9	7.47
100-42-5	Styrene	-	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene (PCE)	30	24	7320	ND	10.3	ND
109-99-9	Tetrahydrofuran	-	5.13	ND	37.8	39.5	35.1
108-88-3	Toluene	-	19.1	ND	26.6	27.3	21.6
1330-20-7	Total Xylenes	-	5.04	ND	35.9	57.9	27.57
156-60-5	trans-1,2-Dichloroethene	-	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloropropene	-	ND	ND	ND	ND	ND
79-01-6	Trichloroethene (TCE)	5	ND	63.4	ND	ND	ND
75-69-4	Trichlorofluoromethane	-	207	584	20.3	320	137
593-60-2	Vinyl bromide	-	ND	ND	ND	ND	ND
75-01-4	Vinyl Chloride	-	ND	ND	ND	ND	ND
	Total BTEX		27.3	ND	102.4	100.58	63.5
	Total VOCs		383.38	8045	1635.59	5931.59	1318.03

Notes: Shaded values indicate an exceedance of NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York October 2006 - Table 3.1

FIGURES



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TITLE:

FIGURE 1

SITE LOCATION PLAN

SITE:

11-51 47 Avenue
Long Island City,
New York

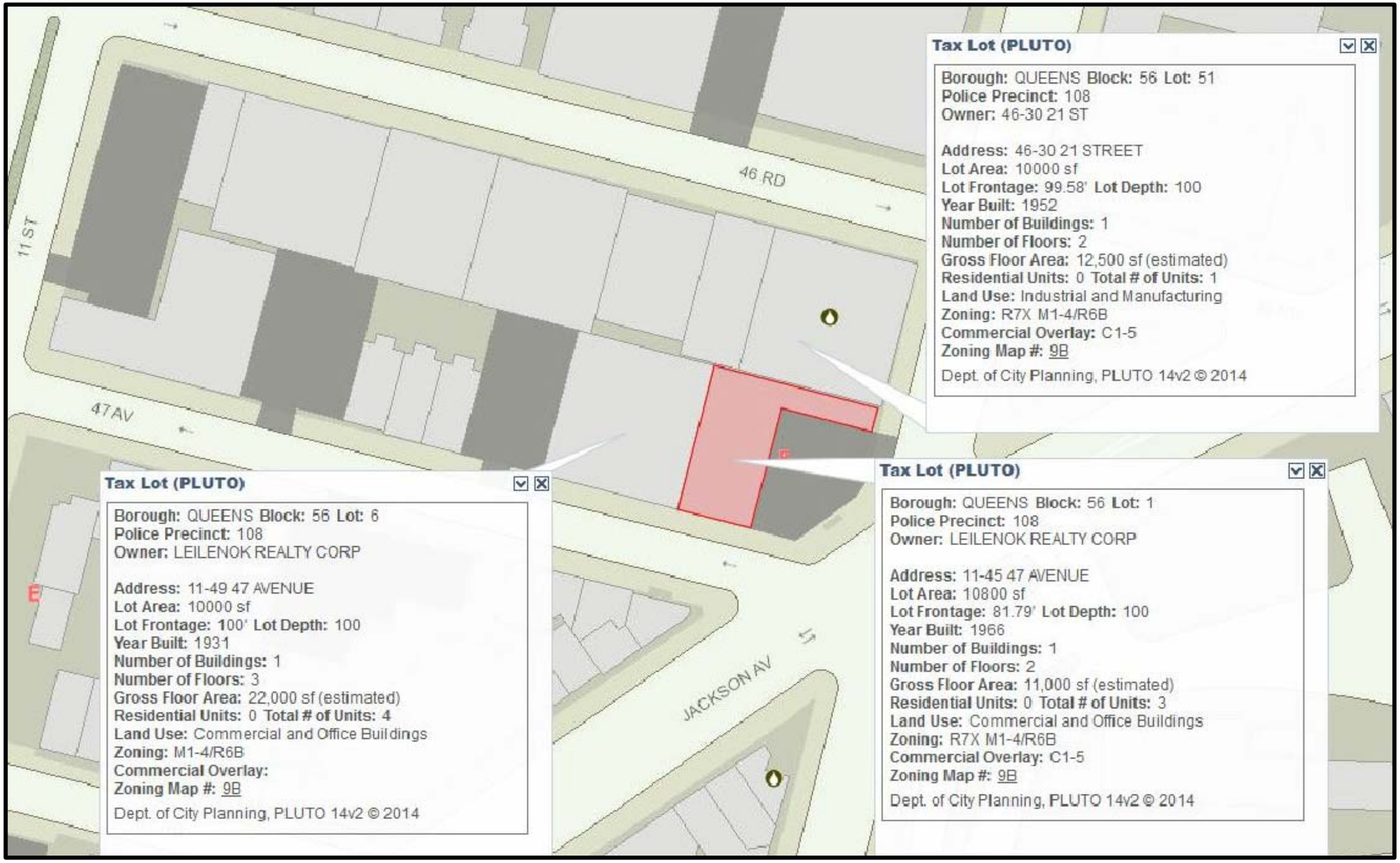
DRAWING NO: **Figure 1**

PROJECT NO.	7139
DESIGNED BY:	BH
DRAWN BY:	BH
CHECKED BY:	KK
DATE:	08/30/2015
SCALE:	nts

REVISIONS NO:	DATE:

NOTES:

LEGEND:



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TITLE:

FIGURE 2

SITE BOUNDARY PLAN

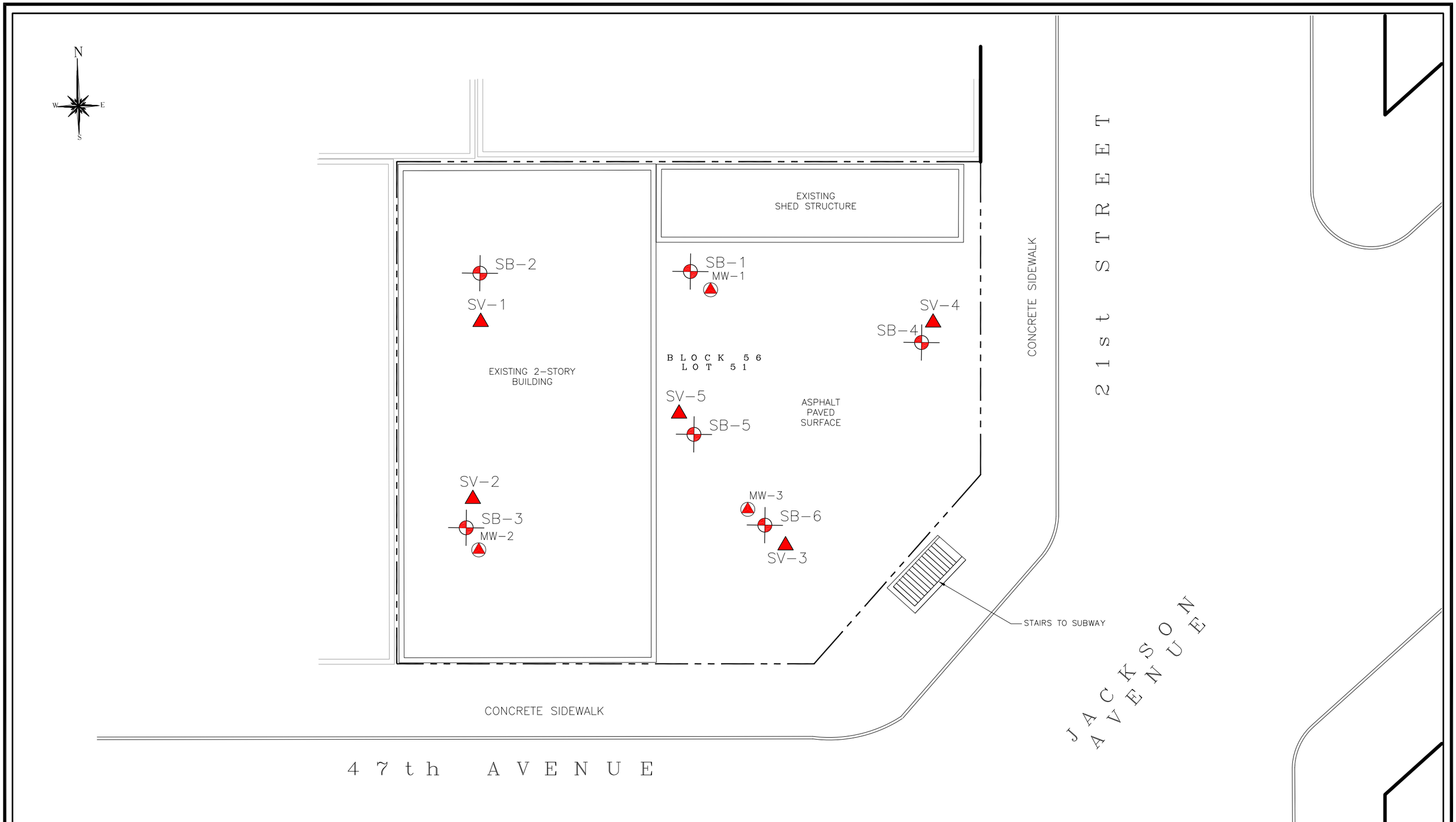
SITE:

11-51 47 Avenue
Long Island City,
New York

DRAWING NO: Figure 2		REVISIONS NO:	DATE:
PROJECT NO.	7139		
DESIGNED BY:	BH		
DRAWN BY:	BH		
CHECKED BY:	KK		
DATE:	08/30/2015		
SCALE:	nts		

NOTES:

LEGEND:



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TITLE:

FIGURE 3

Soil Boring, Monitoring Well and Soil Vapor Point Location Plan

SITE:

11-51 47 Avenue
Long Island City,
New York

DRAWING NO: **Figure 3**

PROJECT NO.	7139
DESIGNED BY:	BH
DRAWN BY:	BH
CHECKED BY:	KK
DATE:	08/30/2015
SCALE:	nts

REVISIONS NO:	DATE:

NOTES:

LEGEND:

- Groundwater monitoring well
- Soil vapor implant
- Soil boring location

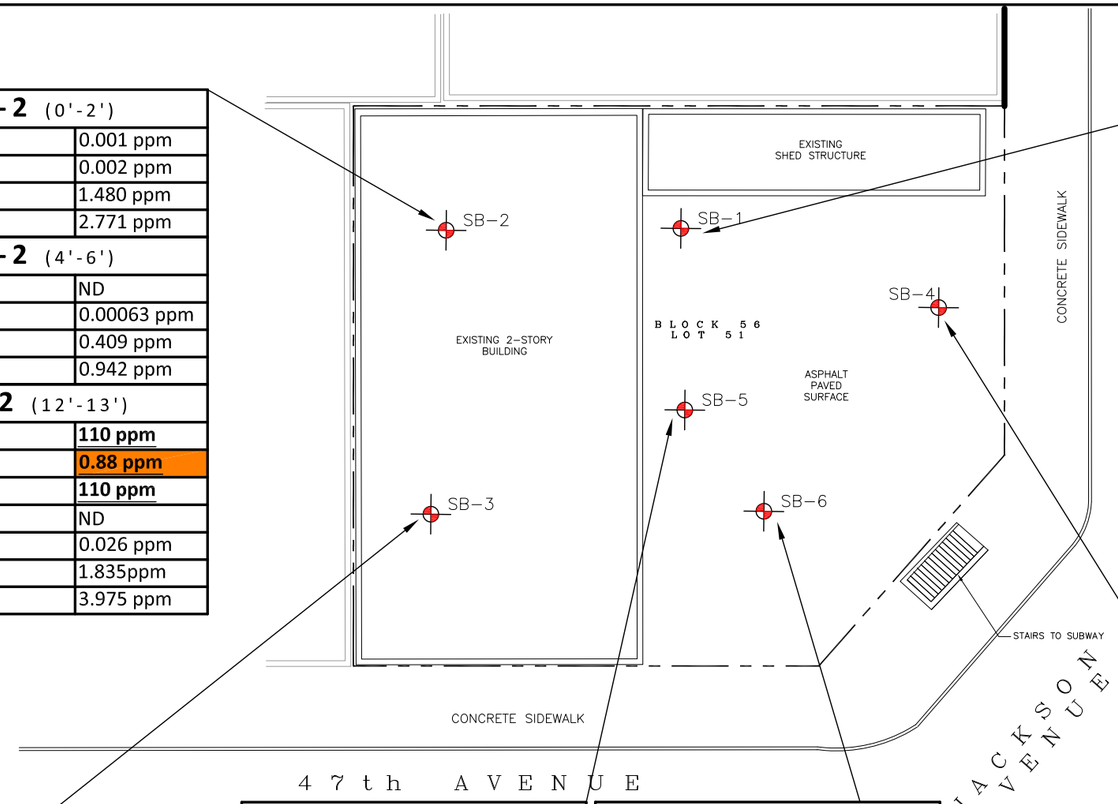
SB-3 (0'-2')	
Benzo-a-Anthracene	**1.600 ppm**
Benzo-a-Pyrene	**1.600 ppm**
Benzo-b-Fluoranthene	**2.000 ppm**
Benzo-k-Fluoranthene	**0.830 ppm**
Chrysene	**1.600 ppm**
Indeno(1,2,3-cd)Pyrene	**1.200 ppm**
4,4-DDT	**0.0048 ppm**
Copper	**62 ppm**
Lead	**240 ppm**
Mercury	**0.87 ppm**
Zinc	**210 ppm**
Total BTEX	ND
Total VOCs	0.024 ppm
Total cPAHs	9.150 ppm
Total SVOCs	17.472 ppm

SB-3 (4'-6')	
Benzo-a-Anthracene	**1.600 ppm**
Benzo-a-Pyrene	**1.500 ppm**
Benzo-b-Fluoranthene	**2.000 ppm**
Chrysene	**1.600 ppm**
Indeno(1,2,3-cd)Pyrene	**1.000 ppm**
Arsenic	**15 ppm**
Copper	**65 ppm**
Lead	**270 ppm**
Mercury	**0.39 ppm**
Zinc	**260 ppm**
Total BTEX	ND
Total VOCs	0.126 ppm
Total cPAHs	8.700 ppm
Total SVOCs	18.040 ppm

SB-2 (0'-2')	
Total BTEX	0.001 ppm
Total VOCs	0.002 ppm
Total cPAHs	1.480 ppm
Total SVOCs	2.771 ppm

SB-2 (4'-6')	
Total BTEX	ND
Total VOCs	0.00063 ppm
Total cPAHs	0.409 ppm
Total SVOCs	0.942 ppm

SB-2 (12'-13')	
Lead	**110 ppm**
Mercury	**0.88 ppm**
Zinc	**110 ppm**
Total BTEX	ND
Total VOCs	0.026 ppm
Total cPAHs	1.835ppm
Total SVOCs	3.975 ppm



SB-5 (0'-2')	
Mercury	**0.33 ppm**
Zinc	**990 ppm**
Total BTEX	ND
Total VOCs	ND
Total cPAHs	0.825 ppm
Total SVOCs	1.507 ppm

SB-5 (4'-6')	
Acetone	**0.086 ppm**
Total BTEX	ND
Total VOCs	0.102 ppm
Total cPAHs	ND
Total SVOCs	ND

SB-5 (9'-10')	
Total BTEX	ND
Total VOCs	ND
Total cPAHs	0.043 ppm
Total SVOCs	0.183 ppm

SB-6 (0'-2')	
Total BTEX	ND
Total VOCs	0.001 ppm
Total cPAHs	ND
Total SVOCs	ND

SB-1 (0'-2')	
4,4-DDT	**0.0161 ppm**
Dieldrin	**0.0172 ppm**
PCBs	**0.826 ppm**
Cadmium	**2.9 ppm**
Copper	**87 ppm**
Lead	**650 ppm**
Zinc	**240 ppm**
Total BTEX	ND
Total VOCs	ND
Total cPAHs	3.370 ppm
Total SVOCs	8.430 ppm

SB-1 (10'-11')	
Arsenic	**19 ppm**
Lead	**3,400 ppm**
Mercury	**2.3 ppm**
Zinc	**210 ppm**
Total BTEX	ND
Total VOCs	ND
Total cPAHs	0.991 ppm
Total SVOCs	2.012 ppm

SB-4 (0'-2')	
Benzo-a-Anthracene	**1.400 ppm**
Benzo-a-Pyrene	**1.100 ppm**
Benzo-b-Fluoranthene	**1.300 ppm**
Chrysene	**1.400 ppm**
Indeno(1,2,3-cd)Pyrene	**0.690 ppm**
4,4-DDT	**0.00844 ppm**
Lead	**540 ppm**
Mercury	**0.26 ppm**
Zinc	**240 ppm**
Total BTEX	ND
Total VOCs	0.0012 ppm
Total cPAHs	6.650 ppm
Total SVOCs	16.970 ppm

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TITLE:

FIGURE 4

Soil Chemistry Results Plan

SITE:

11-51 47 Avenue
Long Island City,
New York

DRAWING NO: **Figure 4**

PROJECT NO.	7139
DESIGNED BY:	BH
DRAWN BY:	BH
CHECKED BY:	KK
DATE:	08/30/2015
SCALE:	NTS

REVISIONS NO:	DATE:

NOTES:
1. SOIL CHEMICAL RESULTS BASED ON LABORATORY REPORTS #L1519463 DATED 8/25/15 BY ALPHA ANALYTICAL.
2. ONLY COMPOUNDS EXCEEDING NYCRR UNRESTRICTED USE OR RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES ARE SHOWN, FOR ALL DETECTED CONCENTRATIONS REFER TO LAB REPORT #L1519463.
3. SOIL SAMPLES COLLECTED VIA SOIL BORINGS ON 8/11/15 AND 8/12/15.

LEGEND:

SB-*x* — SOIL BORING LOCATION

0.50 ppm — EXCEEDANCE OF NYCRR UNRESTRICTED USE SOIL CLEAN UP OBJECTIVES (SCOs)

EXCEEDANCE OF NYCRR RESTRICTED RESIDENTIAL SOIL CLEAN UP OBJECTIVES (SCOs)

MW - 1	
Benzo-a-Anthracene	0.12 ppb
Benzo-b-Fluoranthene	0.18 ppb
Benzo-k-Fluoranthene	0.07 ppb
Chrysene	0.12 ppb
Indeno(1,2,3-cd)Pyrene	0.11 ppb
Total BTEX	ND
Total VOCs	0.08 ppb
Total cPAHs	0.60 ppb
Total SVOCs	1.51 ppb

MW - 2	
cis-1,2-Dichlorethene	8.4 ppb
Tetrachloroethene (PCE)	9.2 ppb
Vinyl Chloride	3.8 ppb
Acenaphthene	21 ppb
Benzo-a-Anthracene	1.9 ppb
Benzo-b-Fluoranthene	1.9 ppb
Benzo-k-Fluoranthene	0.69 ppb
Chrysene	1.6 ppb
Indeno(1,2,3-cd)Pyrene	0.98 ppb
Total BTEX	0.22 ppb
Total VOCs	25.87 ppb
Total cPAHs	8.63 ppb
Total SVOCs	78.4 ppb

MW - 3	
Benzo-a-Anthracene	0.11 ppb
Benzo-b-Fluoranthene	0.15 ppb
Chrysene	0.11 ppb
Total BTEX	3.19 ppb
Total VOCs	5.7 ppb
Total cPAHs	0.37 ppb
Total SVOCs	1.05 ppb

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TITLE:

FIGURE 5

Groundwater Chemistry Results Plan

SITE:

11-51 47 Avenue
Long Island City,
New York

DRAWING NO: **Figure 5**

PROJECT NO.	7139
DESIGNED BY:	BH
DRAWN BY:	BH
CHECKED BY:	KK
DATE:	08/30/2015
SCALE:	NTS

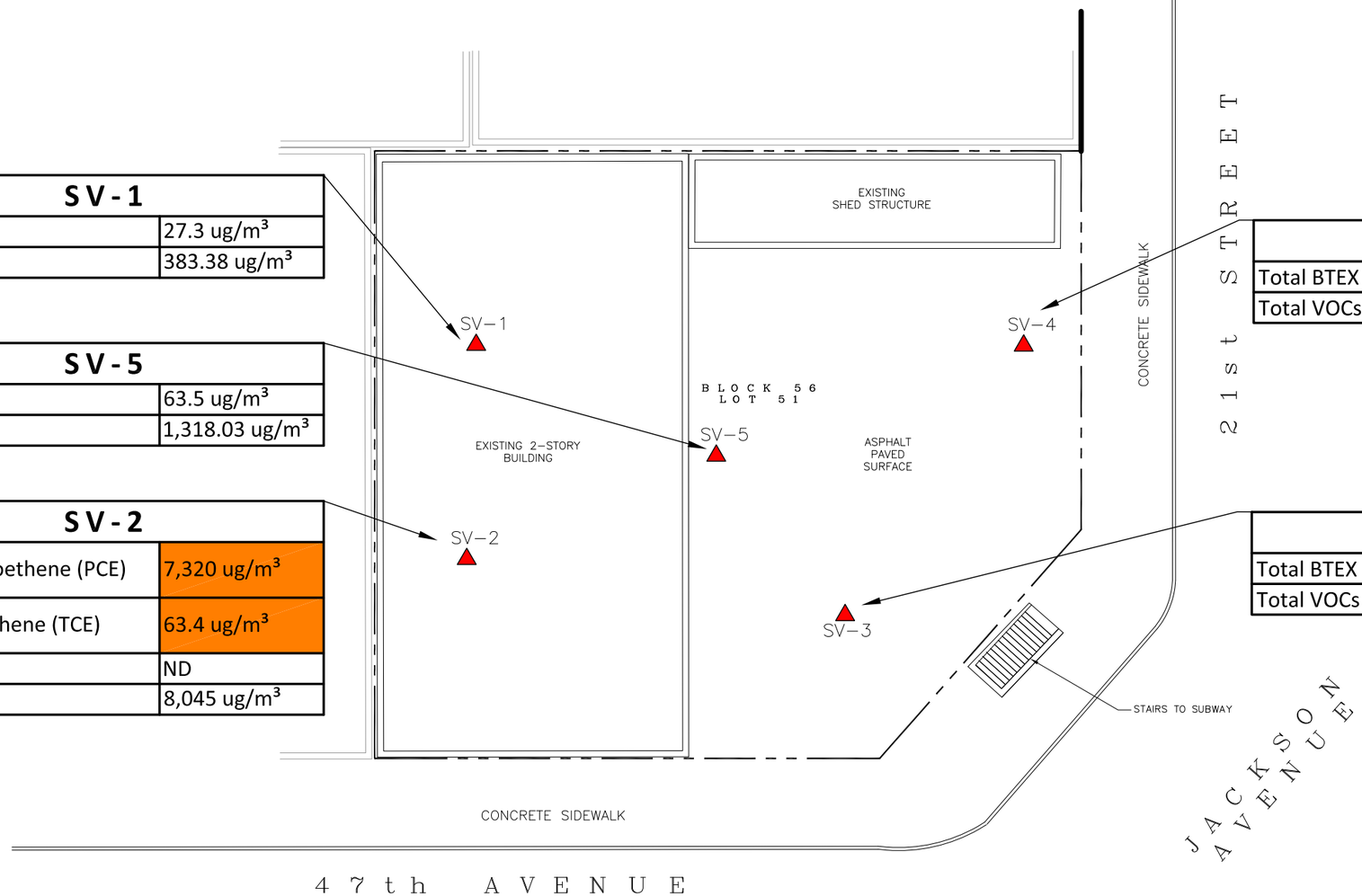
REVISIONS NO:	DATE:

NOTES:
1. GROUNDWATER CHEMICAL RESULTS BASED ON LABORATORY REPORT #L1519428 DATED 8/21/15 BY ALPHA ANALYTICAL.
2. ONLY COMPOUNDS EXCEEDING NYSDEC TOGS 1.1.1 GROUNDWATER QUALITY STANDARDS ARE SHOWN, FOR ALL DETECTED CONCENTRATIONS REFER TO LAB REPORT #L1519428.
3. GROUNDWATER SAMPLES COLLECTED ON 8/12/15.

LEGEND:

GROUNDWATER MONITORING WELL

EXCEEDANCE OF NYSDEC TOGS 1.1.1 GROUNDWATER QUALITY STANDARDS



SV-1	
Total BTEX	27.3 ug/m³
Total VOCs	383.38 ug/m³

SV-5	
Total BTEX	63.5 ug/m³
Total VOCs	1,318.03 ug/m³

SV-2	
Tetrachloroethene (PCE)	7,320 ug/m³
Trichloroethene (TCE)	63.4 ug/m³
Total BTEX	ND
Total VOCs	8,045 ug/m³

SV-4	
Total BTEX	100.58 ug/m³
Total VOCs	5,931.59 ug/m³

SV-3	
Total BTEX	102.4 ug/m³
Total VOCs	1,635.59 ug/m³

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TITLE:

FIGURE 6

Soil Vapor Chemistry Results Plan

SITE:

11-51 47 Avenue Long Island City, New York

DRAWING NO: **Figure 6**

PROJECT NO.	7139
DESIGNED BY:	BH
DRAWN BY:	BH
CHECKED BY:	KK
DATE:	08/30/2015
SCALE:	NTS

REVISIONS NO:	DATE:

NOTES:

1. SOIL VAPOR CHEMICAL RESULTS BASED ON LABORATORY REPORT #L1519577 DATED 8/20/15 BY ALPHA ANALYTICAL.
2. ONLY CHLORINATED VOC COMPOUNDS LISTED IN NYSDOH FINAL SOIL VAPOR INTRUSION GUIDANCE (OCT 2006) TABLE 3.1 AND MATRICES 1 & 2 ARE SHOWN, FOR ALL DETECTED CONCENTRATIONS REFER TO LAB REPORT #L1519577.
3. SOIL VAPOR SAMPLES COLLECTED FROM 5-FT BELOW GRADE SURFACE FOR AN INTERVAL OF 2-HRS ON 8/12/15.

LEGEND:

SOIL VAPOR POINT LOCATION

EXCEEDANCE OF NYSDOH FINAL SOIL VAPOR INTRUSION GUIDANCE TABLE 3.1 LIMITS

APPENDIX A

Field Sampling Logs

SOIL BORING LOG

Client:	Boring No.: SB-1	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7139	Sheet 1 of	
Site Location: 11-51 47th Ave, LIC NY	Date: 8-11-15	
Drilling Co: IEC	*FORMAT FOR CHARACTERIZATION*	
Method: DIRECT PUSH	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: JS/EP	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 15 Depth to Water: ~~N/A~~ 9-10		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1			SB-1 0-2				0.-0.5 Concrete Slab	
2						X	0.5-1 concrete fragments small rocks	
3						X	1-2 NR	
4	23.8					X	2-3 Dark Brown Silt fill	
5							3-4 Dark Brown Silt/clay	
6							4-5 Rocks Clay, some Rocks	
7						X	7-8 lrg rocks, coal	
8	2.5		SB-1 8-10			X	8-9 large rocks some coal	
9						X	9-10 Wet clay/silt	
10			GW SB-1			X	10.5-11 silt/clay Dark Brown Brick frag.	
11						X		
12						X	12-13 fill layer, Brick, coal fragments	
13						X	13-14 compact clay, coal	
14						X	14-15 some organics	
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client:	Boring No.: SB-2	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7139	Sheet 1 of	
Site Location: 11-51 47th Ave, LIC NY	Date: 8-11-15	
Drilling Co: IEC	*FORMAT FOR CHARACTERIZATION*	
Method: DIRECT PUSH	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: JS/EP	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 15 Depth to Water: 10		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
						X	concrete slab 0-.5 ~~Broken concrete, gravel~~	
1							.5-1.0 Broken, concrete, gravel	
	55.2		SB-2 0-2			X	1.0-6.0 Dark Brown fill, Some concrete, rocks	
2								
						X		
3								
						X		
4								
			SB-2 4-6			X		
5								
							5-6	
6								
							6-7	
7								
							7-8	
8							8-9 Concrete like	
						X	9-10 Brick fragments Dark silt	
9								
						X		
10								
11								
12								
	9.5		SB-2 12-13GW			X	12-13 Dark silty clay with small rock fragments trace coal	
13								
						X	13-14 Dark Grey silty clay small Rock fragments trace coal	
14								
						X		
15							14-15 Dark Grey silty Clay Organics	
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client:	Boring No.: SB-3	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 11-51 47th Ave, LIC NY	Sheet 1 of	
Site Location:	Date: 8/11/15	
Drilling Co: IEC	*FORMAT FOR CHARACTERIZATION*	
Method: DIRECT PUSH	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: JS/EP	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 6 Depth to Water: N/A		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
						X	0-0.5 - Conc. slab	
1							0.5-1.0 - Broken conc. & gravel	
	26.0		SB-3 0-2			X		
2							1.0-6.0 - Dark brown fill w/ trace coal. Some concrete & brick fragments	
						X		
3								
						X		
4								
						X		
5								
			SB-3 4-6			X		
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client:	Boring No.: SB-4	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7134	Sheet 1 of	
Site Location: 11-51 47th Ave, LIC NY	Date: 8-11-15	
Drilling Co: IEC	*FORMAT FOR CHARACTERIZATION*	
Method: DIRECT PUSH	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: JS/EP	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 6 Depth to Water: N/A		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1			SB-4 0-2				0-.5 concrete slab	
2						X	2-3 concrete frag. rocks	
3						X	3-4 Dark ~~[illegible]~~ silt rocks	
4						X	4-5 wet, silty, Clay rocks	
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client:		Boring No.: SB-5	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7139		Sheet 1 of	
Site Location: 11-51 47th AVE, LIC NY		Date: 8-11-15	
Drilling Co: IEC		*FORMAT FOR CHARACTERIZATION*	
Method: DIRECT PUSH		**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: JS/EP		**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 15	Depth to Water: ~10		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
							0-.5 Concrete slab	
1			SB-5 0-2					
2								
3								
4						X	concrete frag. Brick	
5	113.7		~~SB~~ SB-5 4-6			X	Dark soil silt/loam, rocks	
6						X	Dark soil silty/loam rocks	
7								
8						X	coarse sandy, frag. of coal	
9						X	clay rock frag, coal	
10	10.7		SB-5 GW			X	clay rock frag coal	
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client:		Boring No.: SB-6	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7137		Sheet 1 of	
Site Location: 11-51 47th AVE, LIC NY		Date: 8-12-15	
Drilling Co: IEC		*FORMAT FOR CHARACTERIZATION*	
Method: DIRECT PUSH		**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: JS/EP		**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 6	Depth to Water: N/A		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
						X	0-.5 Concrete slab	
1	0.0		SB-6 0-2			X	.5-1 Brown F silty loam c gravel	
2						X	1-2 Brown F silty loam c gravel, Rocks	
3						X	2-3 Brown F silty loam c gravel	
4						X	3-4 Brown F silty loam c gravel, rocks	
5						X	4-6 same	
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

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Air/Soil Gas Sampling Form

Project #: 7139

Date: 8/12/15

Project Name: 11-51 47th AVE

Investigator: JS

Type of Sample: (circle one)

Indoor Air Sub-Slab Soil Gas Ambient Air (Soil Gas)

Sample Location:

SV-1

Canister Record:

Canister ID: 779
Flow regulator ID: 0029
Sample duration: 2 HR
Sampling rate: 6.2 ml/min

Sample ID: SV-1
Date/Time start: 8/12/15 0930
Date/Time end: 8/12/15 1130

Regulator: 2-HR
Start pressure: -30.07 IN-HG
End pressure: -7.23

Air temperature (°F): 76°
Barometric pressure: 29.82 IN-HG
PID reading (ppm): 325.9

PID Meter: MiniRAE 3000
Vacuum/Air pump: LOW FLOW
Type/ft. tubing used: 1/4" POLY

Noticeable odor: NONE
Floor slab depth (ft.): 0.5 ft
Ground surface type: CONCRETE
Room: BUILDING INTERIOR
Story/level: GROUND
Intake depth below floor (ft.): 5 ft

Analytical method required: TO-15
Laboratory used: ALPHA

Comments:

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Air/Soil Gas Sampling Form

Project #: 7139

Date: 8/12/15

Project Name: 11-51 47th Ave

Investigator: JS

Type of Sample: (circle one)

Indoor Air | Sub-Slab Soil Gas | Ambient Air | Soil Gas

Sample Location:

SV-2

Canister Record:

Canister ID: 1502
Flow regulator ID: 0093
Sample duration: 2-HR
Sampling rate: 6.6 ml/min

Sample ID: SV-2
Date/Time start: 8/12/15 0920
Date/Time end: 8/12/15 1115

Regulator: 2-HR
Start pressure: -29.58 in-Hg
End pressure: -7.20

Air temperature (°F): 74°
Barometric pressure: 29.92 in Hg
PID reading (ppm): 399.2

PID Meter: Mini RAE 3000
Vacuum/Air pump: Low Flow
Type/ft. tubing used: 1/4" Poly

Noticeable odor: None
Floor slab depth (ft.): 0.5 ft
Ground surface type: Concrete
Room: Building Int
Story/level: Ground
Intake depth below floor (ft.): 5-ft

Analytical method required: TO-15
Laboratory used: Alpha

Comments:

IMPACT ENVIRONMENTAL
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1000 Page Ave | Lyndhurst | NJ | 07071 | 201.268.5686
www.impactenvironmental.com

Air/Soil Gas Sampling Form

Project #: 7188

Date: 8-12-15

Project Name: 11-51 47th Ave, LIC

Investigator: JS

Type of Sample: (circle one)

Indoor Air | Sub-Slab Soil Gas | Ambient Air | Soil Gas

Sample Location:

SV-3

Canister Record:

Canister ID: 682
Flow regulator ID: 0531
Sample duration: 2-HR
Sampling rate: 6.3 ml/min

Sample ID: SV-3
Date/Time start: 8-12-15 1040
Date/Time end: 8-12-15 1235

Regulator: 0531
Start pressure: -30.33 in HG
End pressure: -7.56

Air temperature (°F): 77°
Barometric pressure: 29.82 in HG
PID reading (ppm): 2.4

PID Meter: MiniRAE 3000
Vacuum/Air pump: Low Flow
Type/ft. tubing used: 1/4" Poly

Noticeable odor: None
Floor slab depth (ft.): 0.5
Ground surface type: Asphalt
Room: Exterior
Story/level: GROUND
Intake depth below floor (ft.): 5-ft

Analytical method required: TO-15
Laboratory used: ALPHA

Comments:

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Air/Soil Gas Sampling Form

Project #: 7139

Date: 8-12-15

Project Name: 11-51 47th Ave LIC

Investigator: JS

Type of Sample: (circle one)

Indoor Air | Sub-Slab Soil Gas | Ambient Air | Soil Gas

Sample Location:

SV-4

Canister Record:

Canister ID: 1914
Flow regulator ID: 0379
Sample duration: 2hr
Sampling rate: 6.2 ml/min

Sample ID: SV-4
Date/Time start: 8-12-15 950
Date/Time end: 8-12-15 1200

Regulator: 0379
Start pressure: -30.05 in-Hg
End pressure: -7.23

Air temperature (°F): 76°
Barometric pressure: 29.82 in Hg
PID reading (ppm): 0.0

PID Meter: Mini RAE 3000
Vacuum/Air pump: Low Flow
Type/ft. tubing used: 1/4" Poly

Noticeable odor: None
Floor slab depth (ft.): 0.5 ft
Ground surface type: Asphalt
Room: Exterior
Story/level: Ground
Intake depth below floor (ft.): 5-ft

Analytical method required: TO-15
Laboratory used: Alpha

Comments:

IMPACT ENVIRONMENTAL
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Air/Soil Gas Sampling Form

Project #: 7139

Date: 8/12/15

Project Name: 11-51 47th Ave

Investigator: JS

Type of Sample: (circle one)

Indoor Air | Sub-Slab Soil Gas | Ambient Air | Soil Gas

Sample Location:

SV-5

Canister Record:

Canister ID: 858
Flow regulator ID: 0622
Sample duration: 2-hr
Sampling rate: 6.5 ml/min

Sample ID: SV-5
Date/Time start: 8/12/15 0940
Date/Time end: 8/12/15 1140

Regulator: 0622
Start pressure: -28.00 in Hg
End pressure: -7.22

Air temperature (°F): 76°
Barometric pressure: 29.82 in Hg
PID reading (ppm): 1.9

PID Meter: Mini RAE 3000
Vacuum/Air pump: Low Flow
Type/ft. tubing used: 1/4" Poly

Noticeable odor: None
Floor slab depth (ft.): 0.5
Ground surface type: Asphalt
Room: Exterior
Story/level: Ground
Intake depth below floor (ft.): 5-ft

Analytical method required: TO-15
Laboratory used: ALPHA

Comments:

APPENDIX B

QA/QC Procedures

Quality Assurance and Quality Control Procedures (QA/QC)

The following sampling QA/QC protocol is in accordance with the United States Environmental Protection Agency's (USEPA) accepted sampling procedures for hazardous waste streams [Municipal Research Laboratory, 1980, Sampling and Analysis Procedures for Hazardous Material Waste Streams, Office of Emergency and Remedial Response, Cincinnati, Ohio. EPA-600/280-018] and American Society of Testing and Material's (ASTM's) Sampling Procedures.

Sampling Personnel

The activities associated with the survey, sampling and analysis plan were performed by or under the auspices of a USEPA Office of Emergency and Remedial Response, Certified Sampler for Hazardous Materials. The sample staff (samplers) possessed a minimum of a B.A. Degree in the Earth, Space or Biological Sciences or a B.S. Degree in Engineering. Samplers had a minimum of one (1) year experience in environmental/geological field work. Additionally, all samplers had received mandatory forty-hour Occupational Safety and Health Administration (OSHA) training on working with potentially hazardous materials and appropriate Hazard Communication Program and "Right-To-Know" training.

Sampling Equipment

Separate QA/QC measures were implemented for each of the instruments used in the performance of the SAP.

Geoprobe

Prior to arrival on the Site and between sample locations, the probes were decontaminated by washing them with a detergent (Alconox) and potable water solution and rinsing them with distilled water.

Photo Ionization Detector

Calibration of the PID was conducted prior to sampling using a span gas of known concentration. The PID was a Photovac Micro-Tip, photo ionization detection meter.

Sample Vessels

All sample vessels were "level A" certified decontaminated containers supplied by a New York State Certified Commercial Laboratory. Samples analyzed for hydrocarbons were placed in containers with Teflon lined caps. All samples were preserved by cooling them to a temperature of approximately four degrees Celsius.

Sample Documentation

A sample represents physical evidence. An essential part of liability reduction is the proper control of gathered evidence. To establish proper control, the following sample identification and chain-of custody procedures were followed.

Sample Identification

Sample identification was executed by use of a sample tag, log book and chain-of-custody form. Said documentation provided the following information: 1) the project code; 2) the sample laboratory number; 3) the sample preservation; 4) instrument used for source sample grabs; 5) the composite medium used for source sample grabs; 6) the date the sample was secured from the source media; 7) the time the sample was secured from the source media; and 8) the person who secured the sample from the source media.

Chain-of-Custody Procedures

Due to the evidential nature of samples, possession was traceable from the time the samples were collected until they were received by the testing laboratory. A sample was considered under custody if it: was in a person's possession; it was in a person's view, after being in possession; if it was in a person's possession and they locked it up; or, it was in a designated secure area. When transferring custody, the individuals relinquishing and receiving the samples signed, dated and noted the time on the Chain-of- Custody Form.

Laboratory-Custody Procedures

A designated sample custodian accepted custody of the shipped samples and verified that the information on the sample tags matched that on the Chain-of-Custody Records. Pertinent information as to shipment, pick-up, courier, etc., were entered in the "remarks" section. The custodian entered the sample tag data into a bound logbook.

The laboratory custodian used the sample tag number, or assigned a unique laboratory number to each sample tag, and assured that all samples were transferred to the proper analyst or stored in the appropriate source area. The laboratory custodian distributed samples to the appropriate analysts. Laboratory personnel were responsible for the care and custody of samples, from the time they were received, until the sample was exhausted or returned to the sample custodian. All identifying data sheets and laboratory records were retained as part of the permanent documentation. Samples received by the laboratory were retained until after analysis and quality assurance checks were completed.

APPENDIX C

Laboratory Reports

ANALYTICAL REPORT

Lab Number:	L1519463
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	7139
Project Number:	7139
Report Date:	08/25/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1519463-01	SB-1 0-2	SOIL	11-51 47TH AVENUE, LONG ISLAND CITY, NY	08/11/15 09:15	08/13/15
L1519463-02	SB-2 0-2	SOIL	11-51 47TH AVENUE, LONG ISLAND CITY, NY	08/11/15 08:00	08/13/15
L1519463-03	SB-3 0-2	SOIL	11-51 47TH AVENUE, LONG ISLAND CITY, NY	08/11/15 10:00	08/13/15
L1519463-04	SB-4 0-2	SOIL	11-51 47TH AVENUE, LONG ISLAND CITY, NY	08/11/15 11:00	08/13/15
L1519463-05	SB-5 0-2	SOIL	11-51 47TH AVENUE, LONG ISLAND CITY, NY	08/11/15 10:45	08/13/15
L1519463-06	SB-2 4-6	SOIL	11-51 47TH AVENUE, LONG ISLAND CITY, NY	08/11/15 08:30	08/13/15
L1519463-07	SB-3 4-6	SOIL	11-51 47TH AVENUE, LONG ISLAND CITY, NY	08/11/15 10:15	08/13/15
L1519463-08	SB-5 4-6	SOIL	11-51 47TH AVENUE, LONG ISLAND CITY, NY	08/12/15 11:00	08/13/15
L1519463-09	SB-6 0-2	SOIL	11-51 47TH AVENUE, LONG ISLAND CITY, NY	08/12/15 09:30	08/13/15
L1519463-10	SB-2 12-13	SOIL	11-51 47TH AVENUE, LONG ISLAND CITY, NY	08/11/15 08:45	08/13/15
L1519463-11	SB-1 10-11	SOIL	11-51 47TH AVENUE, LONG ISLAND CITY, NY	08/11/15 09:30	08/13/15
L1519463-12	SB-5 9-10	SOIL	11-51 47TH AVENUE, LONG ISLAND CITY, NY	08/12/15 12:00	08/13/15

Project Name: 7139 **Lab Number:** L1519463
Project Number: 7139 **Report Date:** 08/25/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 7139 **Lab Number:** L1519463
Project Number: 7139 **Report Date:** 08/25/15

Case Narrative (continued)

Report Submission
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics
L1519463-01, -02, -04, and -06: The sample has elevated detection limits due to the dilution required by the sample matrix.
L1519463-09: The sample has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

PCBs
L1519463-09: The sample has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

Herbicides
L1519463-09: The surrogate recoveries were outside the acceptance criteria for dcaa (2%/2%); however, re-extraction achieved similar results: dcaa (24%/27%). The results of both extractions are reported.

Metals
L1519463-08 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
The WG812276-4 MS recoveries for lead (0%) and zinc (0%), performed on L1519463-01, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG812276-4 MS recoveries, performed on L1519463-01, are outside the acceptance criteria for copper (31%) and manganese (154%). A post digestion spike was performed and yielded unacceptable recoveries for copper (56%) and manganese (56%). This has been attributed to sample matrix.
The WG812276-3 Laboratory Duplicate RPD, performed on L1519463-01, is outside the acceptance criteria for cadmium (23%), nickel (35%) and zinc (46%). The elevated RPD has been attributed to the non-

Project Name: 7139 **Lab Number:** L1519463
Project Number: 7139 **Report Date:** 08/25/15

Case Narrative (continued)

homogeneous nature of the sample utilized for the laboratory duplicate.

Cyanide, Total

The WG812674-2 LCS recovery (126%), associated with L1519463-01 through -09, is above our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG812704-2 LCS recovery (125%), associated with L1519463-10 through -12, is above our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 08/25/15

ORGANICS

VOLATILES

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-01	Date Collected:	08/11/15 09:15
Client ID:	SB-1 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/22/15 01:14		
Analyst:	PP		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Vinyl chloride	ND		ug/kg	2.3	0.14	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Acetone	ND		ug/kg	12	1.2	1
2-Butanone	ND		ug/kg	12	0.32	1
n-Butylbenzene	ND		ug/kg	1.2	0.13	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.8	0.16	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-01 Date Collected: 08/11/15 09:15

Client ID: SB-1 0-2 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,4-Dioxane	ND		ug/kg	120	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-02	Date Collected:	08/11/15 08:00
Client ID:	SB-2 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/22/15 01:41		
Analyst:	PP		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
Tetrachloroethene	1.0	J	ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	0.84	J	ug/kg	1.1	0.13	1
Toluene	0.25	J	ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
Acetone	ND		ug/kg	11	1.1	1
2-Butanone	ND		ug/kg	11	0.29	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.13	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-02 Date Collected: 08/11/15 08:00

Client ID: SB-2 0-2 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,4-Dioxane	ND		ug/kg	110	15.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-03	Date Collected:	08/11/15 10:00
Client ID:	SB-3 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/22/15 02:07		
Analyst:	PP		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
Tetrachloroethene	24		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.3	0.13	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.22	1
o-Xylene	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Acetone	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.31	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.7	0.15	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-03 Date Collected: 08/11/15 10:00

Client ID: SB-3 0-2 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	100		70-130

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-04	Date Collected:	08/11/15 11:00
Client ID:	SB-4 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/22/15 16:56		
Analyst:	BN		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Acetone	1.2	J	ug/kg	12	1.2	1
2-Butanone	ND		ug/kg	12	0.33	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.1	0.16	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-04 Date Collected: 08/11/15 11:00

Client ID: SB-4 0-2 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.17	1
1,4-Dioxane	ND		ug/kg	120	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	98		70-130

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-05	Date Collected:	08/11/15 10:45
Client ID:	SB-5 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/22/15 03:01		
Analyst:	PP		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Vinyl chloride	ND		ug/kg	2.3	0.14	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.2	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.16	1
Acetone	ND		ug/kg	12	1.2	1
2-Butanone	ND		ug/kg	12	0.31	1
n-Butylbenzene	ND		ug/kg	1.2	0.13	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.8	0.16	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
n-Propylbenzene	ND		ug/kg	1.2	0.12	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-05 Date Collected: 08/11/15 10:45

Client ID: SB-5 0-2 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,4-Dioxane	ND		ug/kg	120	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	100		70-130

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-06	Date Collected:	08/11/15 08:30
Client ID:	SB-2 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/22/15 03:28		
Analyst:	PP		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	0.63	J	ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.21	1
o-Xylene	ND		ug/kg	2.2	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
Acetone	ND		ug/kg	11	1.1	1
2-Butanone	ND		ug/kg	11	0.29	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.15	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-06 Date Collected: 08/11/15 08:30

Client ID: SB-2 4-6 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,4-Dioxane	ND		ug/kg	110	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	104		70-130

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-07	Date Collected:	08/11/15 10:15
Client ID:	SB-3 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/22/15 03:55		
Analyst:	PP		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	27		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Acetone	ND		ug/kg	11	1.1	1
2-Butanone	ND		ug/kg	11	0.30	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.15	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-07 Date Collected: 08/11/15 10:15

Client ID: SB-3 4-6 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,4-Dioxane	ND		ug/kg	110	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	103		70-130

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-08	Date Collected:	08/12/15 11:00
Client ID:	SB-5 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/22/15 17:22		
Analyst:	BN		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.5	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.12	1
Chloroform	ND		ug/kg	2.1	0.51	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	1.4	0.19	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	ND		ug/kg	2.1	0.27	1
Ethylbenzene	ND		ug/kg	1.4	0.18	1
Vinyl chloride	ND		ug/kg	2.8	0.16	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.29	1
Trichloroethene	ND		ug/kg	1.4	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	6.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	6.9	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	6.9	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.12	1
p/m-Xylene	ND		ug/kg	2.8	0.27	1
o-Xylene	ND		ug/kg	2.8	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Acetone	86		ug/kg	14	1.4	1
2-Butanone	16		ug/kg	14	0.38	1
n-Butylbenzene	ND		ug/kg	1.4	0.16	1
sec-Butylbenzene	ND		ug/kg	1.4	0.17	1
tert-Butylbenzene	ND		ug/kg	6.9	0.19	1
Isopropylbenzene	ND		ug/kg	1.4	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.17	1
n-Propylbenzene	ND		ug/kg	1.4	0.15	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-08 Date Collected: 08/12/15 11:00

Client ID: SB-5 4-6 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	6.9	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.9	0.20	1
1,4-Dioxane	ND		ug/kg	140	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-09	Date Collected:	08/12/15 09:30
Client ID:	SB-6 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/22/15 04:49		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Acetone	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.6	0.15	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-09 Date Collected: 08/12/15 09:30

Client ID: SB-6 0-2 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	0.31	J	ug/kg	5.6	0.16	1
1,2,4-Trimethylbenzene	0.61	J	ug/kg	5.6	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-10	Date Collected:	08/11/15 08:45
Client ID:	SB-2 12-13	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/22/15 05:15		
Analyst:	PP		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.5	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.12	1
Chloroform	ND		ug/kg	2.1	0.51	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	1.4	0.19	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	ND		ug/kg	2.1	0.27	1
Ethylbenzene	ND		ug/kg	1.4	0.18	1
Vinyl chloride	ND		ug/kg	2.8	0.16	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.29	1
Trichloroethene	ND		ug/kg	1.4	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	6.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	6.9	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	6.9	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.12	1
p/m-Xylene	ND		ug/kg	2.8	0.27	1
o-Xylene	ND		ug/kg	2.8	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Acetone	26		ug/kg	14	1.4	1
2-Butanone	ND		ug/kg	14	0.38	1
n-Butylbenzene	ND		ug/kg	1.4	0.16	1
sec-Butylbenzene	ND		ug/kg	1.4	0.17	1
tert-Butylbenzene	ND		ug/kg	6.9	0.19	1
Isopropylbenzene	ND		ug/kg	1.4	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.17	1
n-Propylbenzene	ND		ug/kg	1.4	0.15	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-10 Date Collected: 08/11/15 08:45

Client ID: SB-2 12-13 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	6.9	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.9	0.20	1
1,4-Dioxane	ND		ug/kg	140	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-11	Date Collected:	08/11/15 09:30
Client ID:	SB-1 10-11	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/22/15 05:42		
Analyst:	PP		
Percent Solids:	53%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	19	2.1	1
1,1-Dichloroethane	ND		ug/kg	2.8	0.16	1
Chloroform	ND		ug/kg	2.8	0.70	1
Carbon tetrachloride	ND		ug/kg	1.9	0.40	1
Tetrachloroethene	ND		ug/kg	1.9	0.26	1
Chlorobenzene	ND		ug/kg	1.9	0.66	1
1,2-Dichloroethane	ND		ug/kg	1.9	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	1.9	0.21	1
Benzene	ND		ug/kg	1.9	0.22	1
Toluene	ND		ug/kg	2.8	0.37	1
Ethylbenzene	ND		ug/kg	1.9	0.24	1
Vinyl chloride	ND		ug/kg	3.8	0.22	1
1,1-Dichloroethene	ND		ug/kg	1.9	0.49	1
trans-1,2-Dichloroethene	ND		ug/kg	2.8	0.40	1
Trichloroethene	ND		ug/kg	1.9	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	9.4	0.29	1
1,3-Dichlorobenzene	ND		ug/kg	9.4	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	9.4	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.8	0.16	1
p/m-Xylene	ND		ug/kg	3.8	0.37	1
o-Xylene	ND		ug/kg	3.8	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Acetone	ND		ug/kg	19	2.0	1
2-Butanone	ND		ug/kg	19	0.51	1
n-Butylbenzene	ND		ug/kg	1.9	0.22	1
sec-Butylbenzene	ND		ug/kg	1.9	0.23	1
tert-Butylbenzene	ND		ug/kg	9.4	0.26	1
Isopropylbenzene	ND		ug/kg	1.9	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.9	0.24	1
n-Propylbenzene	ND		ug/kg	1.9	0.21	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-11 Date Collected: 08/11/15 09:30

Client ID: SB-1 10-11 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	9.4	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	9.4	0.27	1
1,4-Dioxane	ND		ug/kg	190	27.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	103		70-130

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-12	Date Collected:	08/12/15 12:00
Client ID:	SB-5 9-10	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/22/15 06:09		
Analyst:	PP		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Vinyl chloride	ND		ug/kg	2.3	0.14	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.2	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.16	1
Acetone	ND		ug/kg	12	1.2	1
2-Butanone	ND		ug/kg	12	0.31	1
n-Butylbenzene	ND		ug/kg	1.2	0.13	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.8	0.16	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	0.29	J	ug/kg	1.2	0.14	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-12 Date Collected: 08/12/15 12:00

Client ID: SB-5 9-10 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,4-Dioxane	ND		ug/kg	120	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/21/15 21:11
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-07,09-12 Batch: WG814653-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/21/15 21:11
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-07,09-12 Batch: WG814653-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	2.8	J	ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/21/15 21:11
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-07,09-12 Batch: WG814653-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	3.8	J	ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/21/15 21:11
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-07,09-12 Batch: WG814653-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	101		70-130

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/15 08:39
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,08 Batch: WG814798-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	0.67	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/15 08:39
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,08 Batch: WG814798-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/15 08:39
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,08 Batch: WG814798-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/15 08:39
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,08 Batch: WG814798-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-07,09-12 Batch: WG814653-1 WG814653-2								
Methylene chloride	90		90		70-130	0		30
1,1-Dichloroethane	85		86		70-130	1		30
Chloroform	89		89		70-130	0		30
Carbon tetrachloride	100		99		70-130	1		30
1,2-Dichloropropane	81		83		70-130	2		30
Dibromochloromethane	95		96		70-130	1		30
2-Chloroethylvinyl ether	82		87		70-130	6		30
1,1,2-Trichloroethane	91		88		70-130	3		30
Tetrachloroethene	105		101		70-130	4		30
Chlorobenzene	95		94		70-130	1		30
Trichlorofluoromethane	119		118		70-139	1		30
1,2-Dichloroethane	77		78		70-130	1		30
1,1,1-Trichloroethane	93		93		70-130	0		30
Bromodichloromethane	83		84		70-130	1		30
trans-1,3-Dichloropropene	84		82		70-130	2		30
cis-1,3-Dichloropropene	84		85		70-130	1		30
1,1-Dichloropropene	91		90		70-130	1		30
Bromoform	93		93		70-130	0		30
1,1,2,2-Tetrachloroethane	87		84		70-130	4		30
Benzene	88		88		70-130	0		30
Toluene	92		90		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-07,09-12 Batch: WG814653-1 WG814653-2								
Ethylbenzene	92		91		70-130	1		30
Chloromethane	80		80		52-130	0		30
Bromomethane	120		120		57-147	0		30
Vinyl chloride	97		97		67-130	0		30
Chloroethane	95		92		50-151	3		30
1,1-Dichloroethene	103		100		65-135	3		30
trans-1,2-Dichloroethene	94		93		70-130	1		30
Trichloroethene	95		94		70-130	1		30
1,2-Dichlorobenzene	96		95		70-130	1		30
1,3-Dichlorobenzene	95		94		70-130	1		30
1,4-Dichlorobenzene	95		93		70-130	2		30
Methyl tert butyl ether	81		80		66-130	1		30
p/m-Xylene	96		94		70-130	2		30
o-Xylene	93		92		70-130	1		30
cis-1,2-Dichloroethene	91		91		70-130	0		30
Dibromomethane	89		89		70-130	0		30
Styrene	92		90		70-130	2		30
Dichlorodifluoromethane	**151**	Q	**149**	Q	30-146	1		30
Acetone	98		86		54-140	13		30
Carbon disulfide	94		93		59-130	1		30
2-Butanone	83		80		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-07,09-12 Batch: WG814653-1 WG814653-2								
Vinyl acetate	71		72		70-130	1		30
4-Methyl-2-pentanone	77		76		70-130	1		30
1,2,3-Trichloropropane	85		83		68-130	2		30
2-Hexanone	**60**	Q	**57**	Q	70-130	5		30
Bromochloromethane	97		98		70-130	1		30
2,2-Dichloropropane	86		85		70-130	1		30
1,2-Dibromoethane	93		91		70-130	2		30
1,3-Dichloropropane	88		88		69-130	0		30
1,1,1,2-Tetrachloroethane	95		94		70-130	1		30
Bromobenzene	95		94		70-130	1		30
n-Butylbenzene	94		92		70-130	2		30
sec-Butylbenzene	97		95		70-130	2		30
tert-Butylbenzene	97		96		70-130	1		30
o-Chlorotoluene	90		89		70-130	1		30
p-Chlorotoluene	90		90		70-130	0		30
1,2-Dibromo-3-chloropropane	94		95		68-130	1		30
Hexachlorobutadiene	108		107		67-130	1		30
Isopropylbenzene	98		96		70-130	2		30
p-Isopropyltoluene	100		98		70-130	2		30
Naphthalene	90		88		70-130	2		30
Acrylonitrile	74		70		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-07,09-12 Batch: WG814653-1 WG814653-2								
Diisopropyl Ether	66		**65**	Q	66-130	2		30
Tert-Butyl Alcohol	84		77		70-130	9		30
n-Propylbenzene	91		89		70-130	2		30
1,2,3-Trichlorobenzene	97		97		70-130	0		30
1,2,4-Trichlorobenzene	99		97		70-130	2		30
1,3,5-Trimethylbenzene	95		94		70-130	1		30
1,2,4-Trimethylbenzene	93		91		70-130	2		30
Methyl Acetate	64		62		51-146	3		30
Ethyl Acetate	**57**	Q	**58**	Q	70-130	2		30
Acrolein	105		101		70-130	4		30
Cyclohexane	83		82		59-142	1		30
1,4-Dioxane	94		85		65-136	10		30
Freon-113	96		95		50-139	1		30
p-Diethylbenzene	97		98		70-130	1		30
p-Ethyltoluene	97		97		70-130	0		30
1,2,4,5-Tetramethylbenzene	98		99		70-130	1		30
Tetrahydrofuran	**65**	Q	**63**	Q	66-130	3		30
Ethyl ether	83		82		67-130	1		30
trans-1,4-Dichloro-2-butene	70		**68**	Q	70-130	3		30
Methyl cyclohexane	97		96		70-130	1		30
Ethyl-Tert-Butyl-Ether	76		77		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-07,09-12 Batch: WG814653-1 WG814653-2								
Tertiary-Amyl Methyl Ether	83		83		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		87		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	91		90		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,08 Batch: WG814798-1 WG814798-2								
Methylene chloride	95		89		70-130	7		30
1,1-Dichloroethane	101		89		70-130	13		30
Chloroform	99		90		70-130	10		30
Carbon tetrachloride	89		77		70-130	14		30
1,2-Dichloropropane	104		97		70-130	7		30
Dibromochloromethane	71		73		70-130	3		30
2-Chloroethylvinyl ether	98		96		70-130	2		30
1,1,2-Trichloroethane	100		95		70-130	5		30
Tetrachloroethene	95		77		70-130	21		30
Chlorobenzene	98		91		70-130	7		30
Trichlorofluoromethane	120		89		70-139	30		30
1,2-Dichloroethane	101		97		70-130	4		30
1,1,1-Trichloroethane	88		73		70-130	19		30
Bromodichloromethane	93		90		70-130	3		30
trans-1,3-Dichloropropene	72		72		70-130	0		30
cis-1,3-Dichloropropene	91		89		70-130	2		30
1,1-Dichloropropene	97		76		70-130	24		30
Bromoform	90		92		70-130	2		30
1,1,2,2-Tetrachloroethane	98		97		70-130	1		30
Benzene	101		89		70-130	13		30
Toluene	97		86		70-130	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,08 Batch: WG814798-1 WG814798-2								
Ethylbenzene	98		86		70-130	13		30
Chloromethane	97		82		52-130	17		30
Bromomethane	114		94		57-147	19		30
Vinyl chloride	110		85		67-130	26		30
Chloroethane	127		105		50-151	19		30
1,1-Dichloroethene	100		78		65-135	25		30
trans-1,2-Dichloroethene	95		82		70-130	15		30
Trichloroethene	96		82		70-130	16		30
1,2-Dichlorobenzene	98		93		70-130	5		30
1,3-Dichlorobenzene	99		92		70-130	7		30
1,4-Dichlorobenzene	99		94		70-130	5		30
Methyl tert butyl ether	97		93		66-130	4		30
p/m-Xylene	98		89		70-130	10		30
o-Xylene	100		92		70-130	8		30
cis-1,2-Dichloroethene	98		90		70-130	9		30
Dibromomethane	99		95		70-130	4		30
Styrene	101		94		70-130	7		30
Dichlorodifluoromethane	90		66		30-146	**31**	Q	30
Acetone	**148**	Q	128		54-140	14		30
Carbon disulfide	94		74		59-130	24		30
2-Butanone	100		92		70-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,08 Batch: WG814798-1 WG814798-2								
Vinyl acetate	85		85		70-130	0		30
4-Methyl-2-pentanone	99		96		70-130	3		30
1,2,3-Trichloropropane	99		97		68-130	2		30
2-Hexanone	98		95		70-130	3		30
Bromochloromethane	104		100		70-130	4		30
2,2-Dichloropropane	**66**	Q	**58**	Q	70-130	13		30
1,2-Dibromoethane	96		94		70-130	2		30
1,3-Dichloropropane	101		99		69-130	2		30
1,1,1,2-Tetrachloroethane	90		90		70-130	0		30
Bromobenzene	98		94		70-130	4		30
n-Butylbenzene	99		84		70-130	16		30
sec-Butylbenzene	96		80		70-130	18		30
tert-Butylbenzene	95		81		70-130	16		30
o-Chlorotoluene	96		86		70-130	11		30
p-Chlorotoluene	98		89		70-130	10		30
1,2-Dibromo-3-chloropropane	73		78		68-130	7		30
Hexachlorobutadiene	92		76		67-130	19		30
Isopropylbenzene	95		81		70-130	16		30
p-Isopropyltoluene	97		83		70-130	16		30
Naphthalene	97		95		70-130	2		30
Acrylonitrile	108		110		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,08 Batch: WG814798-1 WG814798-2								
Diisopropyl Ether	104		99		66-130	5		30
Tert-Butyl Alcohol	75		76		70-130	1		30
n-Propylbenzene	97		84		70-130	14		30
1,2,3-Trichlorobenzene	99		97		70-130	2		30
1,2,4-Trichlorobenzene	102		97		70-130	5		30
1,3,5-Trimethylbenzene	97		86		70-130	12		30
1,2,4-Trimethylbenzene	98		89		70-130	10		30
Methyl Acetate	104		94		51-146	10		30
Ethyl Acetate	93		91		70-130	2		30
Acrolein	117		118		70-130	1		30
Cyclohexane	98		72		59-142	**31**	Q	30
1,4-Dioxane	104		100		65-136	4		30
Freon-113	97		70		50-139	**32**	Q	30
p-Diethylbenzene	98		86		70-130	13		30
p-Ethyltoluene	97		86		70-130	12		30
1,2,4,5-Tetramethylbenzene	100		91		70-130	9		30
Tetrahydrofuran	103		104		66-130	1		30
Ethyl ether	118		112		67-130	5		30
trans-1,4-Dichloro-2-butene	85		86		70-130	1		30
Methyl cyclohexane	92		**67**	Q	70-130	**31**	Q	30
Ethyl-Tert-Butyl-Ether	97		94		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,08 Batch: WG814798-1 WG814798-2								
Tertiary-Amyl Methyl Ether	94		91		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-01 D	Date Collected:	08/11/15 09:15
Client ID:	SB-1 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/19/15 11:42
Analytical Date:	08/20/15 23:49		
Analyst:	RC		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	150	J	ug/kg	310	79.	2
Hexachlorobenzene	ND		ug/kg	230	72.	2
Fluoranthene	1500		ug/kg	230	71.	2
Naphthalene	ND		ug/kg	380	130	2
Benzo(a)anthracene	740		ug/kg	230	76.	2
Benzo(a)pyrene	530		ug/kg	310	94.	2
Benzo(b)fluoranthene	710		ug/kg	230	78.	2
Benzo(k)fluoranthene	290		ug/kg	230	74.	2
Chrysene	670		ug/kg	230	76.	2
Acenaphthylene	ND		ug/kg	310	72.	2
Anthracene	420		ug/kg	230	64.	2
Benzo(ghi)perylene	390		ug/kg	310	80.	2
Fluorene	ND		ug/kg	380	110	2
Phenanthrene	1400		ug/kg	230	75.	2
Dibenzo(a,h)anthracene	90	J	ug/kg	230	75.	2
Indeno(1,2,3-cd)pyrene	340		ug/kg	310	86.	2
Pyrene	1200		ug/kg	230	75.	2
Dibenzofuran	ND		ug/kg	380	130	2
Pentachlorophenol	ND		ug/kg	310	82.	2
Phenol	ND		ug/kg	380	110	2
2-Methylphenol	ND		ug/kg	380	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	560	130	2

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-01 D Date Collected: 08/11/15 09:15

Client ID: SB-1 0-2 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		25-120
Phenol-d6	39		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	44		30-120
2,4,6-Tribromophenol	28		10-136
4-Terphenyl-d14	43		18-120

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-02 D	Date Collected:	08/11/15 08:00
Client ID:	SB-2 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/19/15 11:42
Analytical Date:	08/21/15 00:16		
Analyst:	RC		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	280	72.	2
Hexachlorobenzene	ND		ug/kg	210	65.	2
Fluoranthene	400		ug/kg	210	64.	2
Naphthalene	ND		ug/kg	350	120	2
Benzo(a)anthracene	240		ug/kg	210	68.	2
Benzo(a)pyrene	280		ug/kg	280	85.	2
Benzo(b)fluoranthene	340		ug/kg	210	70.	2
Benzo(k)fluoranthene	120	J	ug/kg	210	66.	2
Chrysene	280		ug/kg	210	68.	2
Acenaphthylene	ND		ug/kg	280	65.	2
Anthracene	61	J	ug/kg	210	58.	2
Benzo(ghi)perylene	240	J	ug/kg	280	72.	2
Fluorene	ND		ug/kg	350	100	2
Phenanthrene	180	J	ug/kg	210	68.	2
Dibenzo(a,h)anthracene	ND		ug/kg	210	67.	2
Indeno(1,2,3-cd)pyrene	220	J	ug/kg	280	77.	2
Pyrene	410		ug/kg	210	68.	2
Dibenzofuran	ND		ug/kg	350	120	2
Pentachlorophenol	ND		ug/kg	280	74.	2
Phenol	ND		ug/kg	350	100	2
2-Methylphenol	ND		ug/kg	350	110	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	500	110	2

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-02 D Date Collected: 08/11/15 08:00

Client ID: SB-2 0-2 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	59		18-120

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-03	Date Collected:	08/11/15 10:00
Client ID:	SB-3 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/19/15 11:42
Analytical Date:	08/21/15 00:43		
Analyst:	RC		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	91	J	ug/kg	150	39.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Fluoranthene	2600		ug/kg	110	35.	1
Naphthalene	ND		ug/kg	190	63.	1
Benzo(a)anthracene	1600		ug/kg	110	37.	1
Benzo(a)pyrene	1600		ug/kg	150	46.	1
Benzo(b)fluoranthene	2000		ug/kg	110	38.	1
Benzo(k)fluoranthene	830		ug/kg	110	36.	1
Chrysene	1600		ug/kg	110	37.	1
Acenaphthylene	260		ug/kg	150	35.	1
Anthracene	380		ug/kg	110	31.	1
Benzo(ghi)perylene	1100		ug/kg	150	39.	1
Fluorene	91	J	ug/kg	190	54.	1
Phenanthrene	1400		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	320		ug/kg	110	37.	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	150	42.	1
Pyrene	2400		ug/kg	110	37.	1
Dibenzofuran	ND		ug/kg	190	63.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-03	Date Collected:	08/11/15 10:00
Client ID:	SB-3 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	57		18-120

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-04 D	Date Collected:	08/11/15 11:00
Client ID:	SB-4 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/19/15 11:42
Analytical Date:	08/21/15 01:11		
Analyst:	RC		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	240	J	ug/kg	310	81.	2
Hexachlorobenzene	ND		ug/kg	240	73.	2
Fluoranthene	2700		ug/kg	240	72.	2
Naphthalene	ND		ug/kg	390	130	2
Benzo(a)anthracene	1400		ug/kg	240	77.	2
Benzo(a)pyrene	1100		ug/kg	310	96.	2
Benzo(b)fluoranthene	1300		ug/kg	240	79.	2
Benzo(k)fluoranthene	570		ug/kg	240	75.	2
Chrysene	1400		ug/kg	240	77.	2
Acenaphthylene	210	J	ug/kg	310	74.	2
Anthracene	580		ug/kg	240	65.	2
Benzo(ghi)perylene	670		ug/kg	310	82.	2
Fluorene	220	J	ug/kg	390	110	2
Phenanthrene	3100		ug/kg	240	77.	2
Dibenzo(a,h)anthracene	190	J	ug/kg	240	76.	2
Indeno(1,2,3-cd)pyrene	690		ug/kg	310	87.	2
Pyrene	2600		ug/kg	240	76.	2
Dibenzofuran	ND		ug/kg	390	130	2
Pentachlorophenol	ND		ug/kg	310	84.	2
Phenol	ND		ug/kg	390	120	2
2-Methylphenol	ND		ug/kg	390	130	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	570	130	2

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-04 D Date Collected: 08/11/15 11:00

Client ID: SB-4 0-2 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	50		10-136
4-Terphenyl-d14	48		18-120

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-05	Date Collected:	08/11/15 10:45
Client ID:	SB-5 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/19/15 11:42
Analytical Date:	08/21/15 01:38		
Analyst:	RC		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Fluoranthene	230		ug/kg	110	35.	1
Naphthalene	ND		ug/kg	190	63.	1
Benzo(a)anthracene	150		ug/kg	110	37.	1
Benzo(a)pyrene	150		ug/kg	150	46.	1
Benzo(b)fluoranthene	190		ug/kg	110	38.	1
Benzo(k)fluoranthene	75	J	ug/kg	110	36.	1
Chrysene	150		ug/kg	110	37.	1
Acenaphthylene	38	J	ug/kg	150	36.	1
Anthracene	ND		ug/kg	110	32.	1
Benzo(ghi)perylene	110	J	ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	84	J	ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	150	42.	1
Pyrene	220		ug/kg	110	37.	1
Dibenzofuran	ND		ug/kg	190	63.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-05	Date Collected:	08/11/15 10:45
Client ID:	SB-5 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	60		18-120

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-06 D	Date Collected:	08/11/15 08:30
Client ID:	SB-2 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/19/15 11:43
Analytical Date:	08/21/15 02:05		
Analyst:	RC		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	280	72.	2
Hexachlorobenzene	ND		ug/kg	210	66.	2
Fluoranthene	170	J	ug/kg	210	65.	2
Naphthalene	ND		ug/kg	350	120	2
Benzo(a)anthracene	98	J	ug/kg	210	69.	2
Benzo(a)pyrene	96	J	ug/kg	280	86.	2
Benzo(b)fluoranthene	120	J	ug/kg	210	71.	2
Benzo(k)fluoranthene	ND		ug/kg	210	67.	2
Chrysene	95	J	ug/kg	210	69.	2
Acenaphthylene	ND		ug/kg	280	66.	2
Anthracene	ND		ug/kg	210	59.	2
Benzo(ghi)perylene	73	J	ug/kg	280	73.	2
Fluorene	ND		ug/kg	350	100	2
Phenanthrene	120	J	ug/kg	210	69.	2
Dibenzo(a,h)anthracene	ND		ug/kg	210	68.	2
Indeno(1,2,3-cd)pyrene	ND		ug/kg	280	78.	2
Pyrene	170	J	ug/kg	210	68.	2
Dibenzofuran	ND		ug/kg	350	120	2
Pentachlorophenol	ND		ug/kg	280	75.	2
Phenol	ND		ug/kg	350	100	2
2-Methylphenol	ND		ug/kg	350	110	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	120	2

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-06 D Date Collected: 08/11/15 08:30

Client ID: SB-2 4-6 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	62		18-120

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-07	Date Collected:	08/11/15 10:15
Client ID:	SB-3 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/19/15 11:43
Analytical Date:	08/21/15 02:33		
Analyst:	RC		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160		ug/kg	140	37.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Fluoranthene	2800		ug/kg	110	33.	1
Naphthalene	99	J	ug/kg	180	60.	1
Benzo(a)anthracene	1600		ug/kg	110	35.	1
Benzo(a)pyrene	1500		ug/kg	140	44.	1
Benzo(b)fluoranthene	2000		ug/kg	110	36.	1
Benzo(k)fluoranthene	720		ug/kg	110	34.	1
Chrysene	1600		ug/kg	110	35.	1
Acenaphthylene	280		ug/kg	140	34.	1
Anthracene	500		ug/kg	110	30.	1
Benzo(ghi)perylene	960		ug/kg	140	37.	1
Fluorene	140	J	ug/kg	180	52.	1
Phenanthrene	1800		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	280		ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	140	40.	1
Pyrene	2600		ug/kg	110	35.	1
Dibenzofuran	100	J	ug/kg	180	60.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-07	Date Collected:	08/11/15 10:15
Client ID:	SB-3 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	41		18-120

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-08	Date Collected:	08/12/15 11:00
Client ID:	SB-5 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/19/15 11:43
Analytical Date:	08/21/15 03:00		
Analyst:	RC		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	47.	1
Hexachlorobenzene	ND		ug/kg	140	42.	1
Fluoranthene	ND		ug/kg	140	42.	1
Naphthalene	ND		ug/kg	230	75.	1
Benzo(a)anthracene	ND		ug/kg	140	44.	1
Benzo(a)pyrene	ND		ug/kg	180	55.	1
Benzo(b)fluoranthene	ND		ug/kg	140	46.	1
Benzo(k)fluoranthene	ND		ug/kg	140	43.	1
Chrysene	ND		ug/kg	140	44.	1
Acenaphthylene	ND		ug/kg	180	42.	1
Anthracene	ND		ug/kg	140	38.	1
Benzo(ghi)perylene	ND		ug/kg	180	47.	1
Fluorene	ND		ug/kg	230	65.	1
Phenanthrene	ND		ug/kg	140	44.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	44.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	50.	1
Pyrene	ND		ug/kg	140	44.	1
Dibenzofuran	ND		ug/kg	230	76.	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	230	67.	1
2-Methylphenol	ND		ug/kg	230	73.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	74.	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-08 Date Collected: 08/12/15 11:00

Client ID: SB-5 4-6 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	50		18-120

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-09 D	Date Collected:	08/12/15 09:30
Client ID:	SB-6 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/21/15 09:36
Analytical Date:	08/24/15 12:53		
Analyst:	HL		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1400	370	10
Hexachlorobenzene	ND		ug/kg	1100	340	10
Fluoranthene	ND		ug/kg	1100	330	10
Naphthalene	ND		ug/kg	1800	600	10
Benzo(a)anthracene	ND		ug/kg	1100	360	10
Benzo(a)pyrene	ND		ug/kg	1400	440	10
Benzo(b)fluoranthene	ND		ug/kg	1100	370	10
Benzo(k)fluoranthene	ND		ug/kg	1100	350	10
Chrysene	ND		ug/kg	1100	360	10
Acenaphthylene	ND		ug/kg	1400	340	10
Anthracene	ND		ug/kg	1100	300	10
Benzo(ghi)perylene	ND		ug/kg	1400	380	10
Fluorene	ND		ug/kg	1800	520	10
Phenanthrene	ND		ug/kg	1100	360	10
Dibenzo(a,h)anthracene	ND		ug/kg	1100	350	10
Indeno(1,2,3-cd)pyrene	ND		ug/kg	1400	400	10
Pyrene	ND		ug/kg	1100	350	10
Dibenzofuran	ND		ug/kg	1800	610	10
Pentachlorophenol	ND		ug/kg	1400	390	10
Phenol	ND		ug/kg	1800	540	10
2-Methylphenol	ND		ug/kg	1800	580	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2600	600	10

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-09 D Date Collected: 08/12/15 09:30

Client ID: SB-6 0-2 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**152**	Q	25-120
Phenol-d6	**150**	Q	10-120
Nitrobenzene-d5	**151**	Q	23-120
2-Fluorobiphenyl	**145**	Q	30-120
2,4,6-Tribromophenol	**166**	Q	10-136
4-Terphenyl-d14	**165**	Q	18-120

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-10	Date Collected:	08/11/15 08:45
Client ID:	SB-2 12-13	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/19/15 11:43
Analytical Date:	08/21/15 03:54		
Analyst:	RC		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	110	J	ug/kg	180	46.	1
Hexachlorobenzene	ND		ug/kg	130	42.	1
Fluoranthene	640		ug/kg	130	41.	1
Naphthalene	ND		ug/kg	220	74.	1
Benzo(a)anthracene	360		ug/kg	130	44.	1
Benzo(a)pyrene	320		ug/kg	180	54.	1
Benzo(b)fluoranthene	380		ug/kg	130	45.	1
Benzo(k)fluoranthene	150		ug/kg	130	42.	1
Chrysene	370		ug/kg	130	44.	1
Acenaphthylene	ND		ug/kg	180	42.	1
Anthracene	140		ug/kg	130	37.	1
Benzo(ghi)perylene	180		ug/kg	180	46.	1
Fluorene	ND		ug/kg	220	64.	1
Phenanthrene	500		ug/kg	130	44.	1
Dibenzo(a,h)anthracene	65	J	ug/kg	130	43.	1
Indeno(1,2,3-cd)pyrene	190		ug/kg	180	49.	1
Pyrene	570		ug/kg	130	43.	1
Dibenzofuran	ND		ug/kg	220	74.	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	66.	1
2-Methylphenol	ND		ug/kg	220	72.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	73.	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-10	Date Collected:	08/11/15 08:45
Client ID:	SB-2 12-13	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	49		18-120

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-11	Date Collected:	08/11/15 09:30
Client ID:	SB-1 10-11	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/19/15 11:43
Analytical Date:	08/21/15 04:22		
Analyst:	RC		
Percent Solids:	53%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	240	63.	1
Hexachlorobenzene	ND		ug/kg	180	57.	1
Fluoranthene	320		ug/kg	180	56.	1
Naphthalene	ND		ug/kg	300	100	1
Benzo(a)anthracene	180		ug/kg	180	60.	1
Benzo(a)pyrene	190	J	ug/kg	240	74.	1
Benzo(b)fluoranthene	230		ug/kg	180	62.	1
Benzo(k)fluoranthene	71	J	ug/kg	180	58.	1
Chrysene	200		ug/kg	180	60.	1
Acenaphthylene	ND		ug/kg	240	57.	1
Anthracene	51	J	ug/kg	180	51.	1
Benzo(ghi)perylene	130	J	ug/kg	240	63.	1
Fluorene	ND		ug/kg	300	87.	1
Phenanthrene	220		ug/kg	180	60.	1
Dibenzo(a,h)anthracene	ND		ug/kg	180	59.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	240	68.	1
Pyrene	300		ug/kg	180	59.	1
Dibenzofuran	ND		ug/kg	300	100	1
Pentachlorophenol	ND		ug/kg	240	65.	1
Phenol	ND		ug/kg	300	90.	1
2-Methylphenol	ND		ug/kg	300	98.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	440	100	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-11	Date Collected:	08/11/15 09:30
Client ID:	SB-1 10-11	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	53		18-120

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-12	Date Collected:	08/12/15 12:00
Client ID:	SB-5 9-10	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/19/15 11:43
Analytical Date:	08/21/15 04:49		
Analyst:	RC		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
Hexachlorobenzene	ND		ug/kg	110	36.	1
Fluoranthene	52	J	ug/kg	110	35.	1
Naphthalene	ND		ug/kg	190	63.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	43	J	ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	110	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	42	J	ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	42.	1
Pyrene	46	J	ug/kg	110	37.	1
Dibenzofuran	ND		ug/kg	190	64.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	63.	1

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-12	Date Collected:	08/12/15 12:00
Client ID:	SB-5 9-10	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	54		18-120

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/15 10:47
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/19/15 11:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10-12 Batch: WG813483-1					
Acenaphthene	ND		ug/kg	130	33.
Benzidine	ND		ug/kg	530	130
n-Nitrosodimethylamine	ND		ug/kg	320	52.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Azobenzene	ND		ug/kg	160	43.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/15 10:47
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/19/15 11:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10-12 Batch: WG813483-1					
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
Aniline	ND		ug/kg	190	33.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/15 10:47
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/19/15 11:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10-12 Batch: WG813483-1					
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	650	58.
Parathion, ethyl	ND		ug/kg	160	64.
1-Methylnaphthalene	ND		ug/kg	160	48.

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/15 10:47
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/19/15 11:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10-12 Batch: WG813483-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	83		18-120

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/21/15 18:42
Analyst: HL

Extraction Method: EPA 3546
Extraction Date: 08/21/15 09:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG814278-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/21/15 18:42
Analyst: HL

Extraction Method: EPA 3546
Extraction Date: 08/21/15 09:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG814278-1					
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/21/15 18:42
Analyst: HL

Extraction Method: EPA 3546
Extraction Date: 08/21/15 09:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG814278-1					
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	97		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10-12 Batch: WG813483-2 WG813483-3								
Acenaphthene	76		73		31-137	4		50
Benzidine	**73**	Q	63		10-66	15		50
n-Nitrosodimethylamine	65		65		22-100	0		50
1,2,4-Trichlorobenzene	73		71		38-107	3		50
Hexachlorobenzene	80		76		40-140	5		50
Bis(2-chloroethyl)ether	72		71		40-140	1		50
2-Chloronaphthalene	76		75		40-140	1		50
1,2-Dichlorobenzene	70		72		40-140	3		50
1,3-Dichlorobenzene	68		69		40-140	1		50
1,4-Dichlorobenzene	69		70		28-104	1		50
3,3'-Dichlorobenzidine	85		75		40-140	13		50
2,4-Dinitrotoluene	**98**	Q	**92**	Q	28-89	6		50
2,6-Dinitrotoluene	92		90		40-140	2		50
Fluoranthene	84		78		40-140	7		50
4-Chlorophenyl phenyl ether	78		74		40-140	5		50
4-Bromophenyl phenyl ether	81		76		40-140	6		50
Azobenzene	78		74		40-140	5		50
Bis(2-chloroisopropyl)ether	65		65		40-140	0		50
Bis(2-chloroethoxy)methane	76		74		40-117	3		50
Hexachlorobutadiene	74		74		40-140	0		50
Hexachlorocyclopentadiene	81		77		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10-12 Batch: WG813483-2 WG813483-3								
Hexachloroethane	68		69		40-140	1		50
Isophorone	77		76		40-140	1		50
Naphthalene	73		72		40-140	1		50
Nitrobenzene	76		75		40-140	1		50
NitrosoDiPhenylAmine(NDPA)/DPA	81		76		36-157	6		50
n-Nitrosodi-n-propylamine	74		74		32-121	0		50
Bis(2-Ethylhexyl)phthalate	92		85		40-140	8		50
Butyl benzyl phthalate	90		85		40-140	6		50
Di-n-butylphthalate	86		80		40-140	7		50
Di-n-octylphthalate	95		89		40-140	7		50
Diethyl phthalate	83		77		40-140	8		50
Dimethyl phthalate	81		76		40-140	6		50
Benzo(a)anthracene	86		80		40-140	7		50
Benzo(a)pyrene	89		84		40-140	6		50
Benzo(b)fluoranthene	86		83		40-140	4		50
Benzo(k)fluoranthene	87		80		40-140	8		50
Chrysene	85		79		40-140	7		50
Acenaphthylene	78		76		40-140	3		50
Anthracene	81		77		40-140	5		50
Benzo(ghi)perylene	86		83		40-140	4		50
Fluorene	79		75		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10-12 Batch: WG813483-2 WG813483-3								
Phenanthrene	80		76		40-140	5		50
Dibenzo(a,h)anthracene	89		86		40-140	3		50
Indeno(1,2,3-cd)Pyrene	89		84		40-140	6		50
Pyrene	83		78		35-142	6		50
Biphenyl	69		66		54-104	4		50
Aniline	67		66		40-140	2		50
4-Chloroaniline	82		77		40-140	6		50
2-Nitroaniline	88		83		47-134	6		50
3-Nitroaniline	81		76		26-129	6		50
4-Nitroaniline	85		82		41-125	4		50
Dibenzofuran	79		74		40-140	7		50
2-Methylnaphthalene	75		73		40-140	3		50
1,2,4,5-Tetrachlorobenzene	68		66		40-117	3		50
Acetophenone	74		74		14-144	0		50
2,4,6-Trichlorophenol	84		81		30-130	4		50
P-Chloro-M-Cresol	85		82		26-103	4		50
2-Chlorophenol	78		77		25-102	1		50
2,4-Dichlorophenol	81		78		30-130	4		50
2,4-Dimethylphenol	86		84		30-130	2		50
2-Nitrophenol	85		85		30-130	0		50
4-Nitrophenol	86		83		11-114	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10-12 Batch: WG813483-2 WG813483-3								
2,4-Dinitrophenol	72		73		4-130	1		50
4,6-Dinitro-o-cresol	106		98		10-130	8		50
Pentachlorophenol	76		72		17-109	5		50
Phenol	79		79		26-90	0		50
2-Methylphenol	80		79		30-130.	1		50
3-Methylphenol/4-Methylphenol	81		81		30-130	0		50
2,4,5-Trichlorophenol	83		82		30-130	1		50
Benzoic Acid	28		31		10-66	10		50
Benzyl Alcohol	81		79		40-140	3		50
Carbazole	84		79		54-128	6		50
Benzaldehyde	82		80		40-140	2		50
Caprolactam	80		76		15-130	5		50
Atrazine	89		82		40-140	8		50
2,3,4,6-Tetrachlorophenol	84		80		40-140	5		50
Pyridine	51		56		10-93	9		50
Parathion, ethyl	**145**	Q	133		40-140	9		50
1-Methylnaphthalene	81		78		26-130	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10-12 Batch: WG813483-2 WG813483-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		79		25-120
Phenol-d6	83		82		10-120
Nitrobenzene-d5	96		95		23-120
2-Fluorobiphenyl	79		76		30-120
2,4,6-Tribromophenol	99		93		10-136
4-Terphenyl-d14	85		80		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG814278-2 WG814278-3								
Acenaphthene	88		80		31-137	10		50
1,2,4-Trichlorobenzene	78		68		38-107	14		50
Hexachlorobenzene	99		92		40-140	7		50
Bis(2-chloroethyl)ether	72		66		40-140	9		50
2-Chloronaphthalene	88		79		40-140	11		50
1,2-Dichlorobenzene	67		61		40-140	9		50
1,3-Dichlorobenzene	65		55		40-140	17		50
1,4-Dichlorobenzene	64		58		28-104	10		50
3,3'-Dichlorobenzidine	79		75		40-140	5		50
2,4-Dinitrotoluene	**96**	Q	89		28-89	8		50
2,6-Dinitrotoluene	96		93		40-140	3		50
Fluoranthene	96		91		40-140	5		50
4-Chlorophenyl phenyl ether	93		86		40-140	8		50
4-Bromophenyl phenyl ether	94		91		40-140	3		50
Bis(2-chloroisopropyl)ether	74		69		40-140	7		50
Bis(2-chloroethoxy)methane	84		76		40-117	10		50
Hexachlorobutadiene	74		67		40-140	10		50
Hexachlorocyclopentadiene	116		106		40-140	9		50
Hexachloroethane	66		56		40-140	16		50
Isophorone	87		80		40-140	8		50
Naphthalene	79		69		40-140	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG814278-2 WG814278-3								
Nitrobenzene	**16**	Q	70		40-140	**126**	Q	50
NitrosoDiPhenylAmine(NDPA)/DPA	94		89		36-157	5		50
n-Nitrosodi-n-propylamine	83		77		32-121	8		50
Bis(2-Ethylhexyl)phthalate	102		95		40-140	7		50
Butyl benzyl phthalate	98		94		40-140	4		50
Di-n-butylphthalate	100		96		40-140	4		50
Di-n-octylphthalate	104		97		40-140	7		50
Diethyl phthalate	98		92		40-140	6		50
Dimethyl phthalate	96		91		40-140	5		50
Benzo(a)anthracene	93		88		40-140	6		50
Benzo(a)pyrene	90		84		40-140	7		50
Benzo(b)fluoranthene	89		82		40-140	8		50
Benzo(k)fluoranthene	94		87		40-140	8		50
Chrysene	96		88		40-140	9		50
Acenaphthylene	93		83		40-140	11		50
Anthracene	99		92		40-140	7		50
Benzo(ghi)perylene	91		84		40-140	8		50
Fluorene	94		85		40-140	10		50
Phenanthrene	90		87		40-140	3		50
Dibenzo(a,h)anthracene	90		84		40-140	7		50
Indeno(1,2,3-cd)Pyrene	90		84		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG814278-2 WG814278-3								
Pyrene	96		91		35-142	5		50
Biphenyl	78		68		54-104	14		50
4-Chloroaniline	92		78		40-140	16		50
2-Nitroaniline	92		86		47-134	7		50
3-Nitroaniline	85		84		26-129	1		50
4-Nitroaniline	93		86		41-125	8		50
Dibenzofuran	91		83		40-140	9		50
2-Methylnaphthalene	86		73		40-140	16		50
1,2,4,5-Tetrachlorobenzene	71		68		40-117	4		50
Acetophenone	77		72		14-144	7		50
2,4,6-Trichlorophenol	98		85		30-130	14		50
P-Chloro-M-Cresol	97		89		26-103	9		50
2-Chlorophenol	78		74		25-102	5		50
2,4-Dichlorophenol	93		80		30-130	15		50
2,4-Dimethylphenol	99		88		30-130	12		50
2-Nitrophenol	82		73		30-130	12		50
4-Nitrophenol	100		94		11-114	6		50
2,4-Dinitrophenol	64		56		4-130	13		50
4,6-Dinitro-o-cresol	96		85		10-130	12		50
Pentachlorophenol	86		81		17-109	6		50
Phenol	83		76		26-90	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG814278-2 WG814278-3								
2-Methylphenol	87		79		30-130.	10		50
3-Methylphenol/4-Methylphenol	89		81		30-130	9		50
2,4,5-Trichlorophenol	97		90		30-130	7		50
Benzoic Acid	18		14		10-66	25		50
Benzyl Alcohol	91		81		40-140	12		50
Carbazole	96		94		54-128	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		69		25-120
Phenol-d6	87		79		10-120
Nitrobenzene-d5	80		75		23-120
2-Fluorobiphenyl	89		77		30-120
2,4,6-Tribromophenol	98		92		10-136
4-Terphenyl-d14	98		91		18-120

PCBS

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-01	Date Collected:	08/11/15 09:15
Client ID:	SB-1 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/19/15 09:36
Analytical Date:	08/20/15 03:27	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/19/15
Percent Solids:	86%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	3.02	1	A
Aroclor 1221	ND		ug/kg	38.3	3.53	1	A
Aroclor 1232	ND		ug/kg	38.3	4.48	1	A
Aroclor 1242	ND		ug/kg	38.3	4.68	1	A
Aroclor 1248	323		ug/kg	38.3	3.23	1	B
Aroclor 1254	248		ug/kg	38.3	3.14	1	B
Aroclor 1260	255		ug/kg	38.3	2.92	1	B
Aroclor 1262	ND		ug/kg	38.3	1.90	1	A
Aroclor 1268	ND		ug/kg	38.3	5.55	1	A
PCBs, Total	826		ug/kg	38.3	1.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	37		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-02	Date Collected:	08/11/15 08:00
Client ID:	SB-2 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/19/15 09:36
Analytical Date:	08/20/15 03:42	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/19/15
Percent Solids:	94%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	2.80	1	A
Aroclor 1221	ND		ug/kg	35.4	3.26	1	A
Aroclor 1232	ND		ug/kg	35.4	4.15	1	A
Aroclor 1242	ND		ug/kg	35.4	4.33	1	A
Aroclor 1248	ND		ug/kg	35.4	2.99	1	A
Aroclor 1254	ND		ug/kg	35.4	2.91	1	A
Aroclor 1260	ND		ug/kg	35.4	2.70	1	A
Aroclor 1262	ND		ug/kg	35.4	1.76	1	A
Aroclor 1268	ND		ug/kg	35.4	5.13	1	A
PCBs, Total	ND		ug/kg	35.4	1.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-03	Date Collected:	08/11/15 10:00
Client ID:	SB-3 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/19/15 09:36
Analytical Date:	08/20/15 03:58	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/19/15
Percent Solids:	88%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.1	2.85	1	A
Aroclor 1221	ND		ug/kg	36.1	3.33	1	A
Aroclor 1232	ND		ug/kg	36.1	4.23	1	A
Aroclor 1242	ND		ug/kg	36.1	4.42	1	A
Aroclor 1248	ND		ug/kg	36.1	3.04	1	A
Aroclor 1254	ND		ug/kg	36.1	2.96	1	A
Aroclor 1260	31.6	J	ug/kg	36.1	2.75	1	B
Aroclor 1262	ND		ug/kg	36.1	1.79	1	A
Aroclor 1268	ND		ug/kg	36.1	5.23	1	A
PCBs, Total	31.6	J	ug/kg	36.1	1.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-04	Date Collected:	08/11/15 11:00
Client ID:	SB-4 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/19/15 09:36
Analytical Date:	08/20/15 04:14	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/19/15
Percent Solids:	82%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.9	3.15	1	A
Aroclor 1221	ND		ug/kg	39.9	3.68	1	A
Aroclor 1232	ND		ug/kg	39.9	4.68	1	A
Aroclor 1242	ND		ug/kg	39.9	4.89	1	A
Aroclor 1248	ND		ug/kg	39.9	3.37	1	A
Aroclor 1254	ND		ug/kg	39.9	3.28	1	A
Aroclor 1260	75.0		ug/kg	39.9	3.04	1	B
Aroclor 1262	ND		ug/kg	39.9	1.98	1	A
Aroclor 1268	ND		ug/kg	39.9	5.79	1	A
PCBs, Total	75.0		ug/kg	39.9	1.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-05	Date Collected:	08/11/15 10:45
Client ID:	SB-5 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/19/15 09:36
Analytical Date:	08/20/15 04:30	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/19/15
Percent Solids:	87%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	3.01	1	A
Aroclor 1221	ND		ug/kg	38.1	3.52	1	A
Aroclor 1232	ND		ug/kg	38.1	4.47	1	A
Aroclor 1242	ND		ug/kg	38.1	4.67	1	A
Aroclor 1248	ND		ug/kg	38.1	3.22	1	A
Aroclor 1254	ND		ug/kg	38.1	3.13	1	A
Aroclor 1260	ND		ug/kg	38.1	2.90	1	A
Aroclor 1262	ND		ug/kg	38.1	1.89	1	A
Aroclor 1268	ND		ug/kg	38.1	5.53	1	A
PCBs, Total	ND		ug/kg	38.1	1.89	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-06	Date Collected:	08/11/15 08:30
Client ID:	SB-2 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/19/15 09:36
Analytical Date:	08/20/15 04:46	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/19/15
Percent Solids:	92%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	2.77	1	A
Aroclor 1221	ND		ug/kg	35.0	3.23	1	A
Aroclor 1232	ND		ug/kg	35.0	4.10	1	A
Aroclor 1242	ND		ug/kg	35.0	4.29	1	A
Aroclor 1248	ND		ug/kg	35.0	2.96	1	A
Aroclor 1254	ND		ug/kg	35.0	2.88	1	A
Aroclor 1260	ND		ug/kg	35.0	2.67	1	A
Aroclor 1262	ND		ug/kg	35.0	1.74	1	A
Aroclor 1268	ND		ug/kg	35.0	5.08	1	A
PCBs, Total	ND		ug/kg	35.0	1.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-07	Date Collected:	08/11/15 10:15
Client ID:	SB-3 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/19/15 09:36
Analytical Date:	08/20/15 05:02	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/19/15
Percent Solids:	92%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	2.73	1	A
Aroclor 1221	ND		ug/kg	34.6	3.19	1	A
Aroclor 1232	ND		ug/kg	34.6	4.06	1	A
Aroclor 1242	ND		ug/kg	34.6	4.24	1	A
Aroclor 1248	ND		ug/kg	34.6	2.92	1	A
Aroclor 1254	ND		ug/kg	34.6	2.84	1	A
Aroclor 1260	97.4		ug/kg	34.6	2.64	1	B
Aroclor 1262	ND		ug/kg	34.6	1.72	1	A
Aroclor 1268	ND		ug/kg	34.6	5.02	1	A
PCBs, Total	97.4		ug/kg	34.6	1.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-08	Date Collected:	08/12/15 11:00
Client ID:	SB-5 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/19/15 09:36
Analytical Date:	08/20/15 10:57	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/19/15
Percent Solids:	72%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.6	3.53	1	A
Aroclor 1221	ND		ug/kg	44.6	4.12	1	A
Aroclor 1232	ND		ug/kg	44.6	5.23	1	A
Aroclor 1242	ND		ug/kg	44.6	5.46	1	A
Aroclor 1248	ND		ug/kg	44.6	3.77	1	A
Aroclor 1254	ND		ug/kg	44.6	3.67	1	A
Aroclor 1260	ND		ug/kg	44.6	3.40	1	A
Aroclor 1262	ND		ug/kg	44.6	2.21	1	A
Aroclor 1268	ND		ug/kg	44.6	6.47	1	A
PCBs, Total	ND		ug/kg	44.6	2.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	34		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-09	Date Collected:	08/12/15 09:30
Client ID:	SB-6 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/19/15 09:36
Analytical Date:	08/20/15 05:33	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/19/15
Percent Solids:	90%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	73.1	5.77	2	A
Aroclor 1221	ND		ug/kg	73.1	6.74	2	A
Aroclor 1232	ND		ug/kg	73.1	8.57	2	A
Aroclor 1242	ND		ug/kg	73.1	8.95	2	A
Aroclor 1248	ND		ug/kg	73.1	6.17	2	A
Aroclor 1254	ND		ug/kg	73.1	6.01	2	A
Aroclor 1260	ND		ug/kg	73.1	5.57	2	A
Aroclor 1262	ND		ug/kg	73.1	3.62	2	A
Aroclor 1268	ND		ug/kg	73.1	10.6	2	A
PCBs, Total	ND		ug/kg	73.1	3.62	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	**26**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-10	Date Collected:	08/11/15 08:45
Client ID:	SB-2 12-13	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/19/15 09:36
Analytical Date:	08/20/15 05:49	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/19/15
Percent Solids:	72%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.8	3.54	1	A
Aroclor 1221	ND		ug/kg	44.8	4.13	1	A
Aroclor 1232	ND		ug/kg	44.8	5.26	1	A
Aroclor 1242	ND		ug/kg	44.8	5.49	1	A
Aroclor 1248	ND		ug/kg	44.8	3.78	1	A
Aroclor 1254	ND		ug/kg	44.8	3.69	1	A
Aroclor 1260	ND		ug/kg	44.8	3.42	1	A
Aroclor 1262	ND		ug/kg	44.8	2.22	1	A
Aroclor 1268	ND		ug/kg	44.8	6.50	1	A
PCBs, Total	ND		ug/kg	44.8	2.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-11	Date Collected:	08/11/15 09:30
Client ID:	SB-1 10-11	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/19/15 09:36
Analytical Date:	08/20/15 06:05	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/19/15
Percent Solids:	53%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	59.8	4.72	1	A
Aroclor 1221	ND		ug/kg	59.8	5.51	1	A
Aroclor 1232	ND		ug/kg	59.8	7.01	1	A
Aroclor 1242	17.9	J	ug/kg	59.8	7.32	1	B
Aroclor 1248	ND		ug/kg	59.8	5.04	1	A
Aroclor 1254	ND		ug/kg	59.8	4.91	1	A
Aroclor 1260	ND		ug/kg	59.8	4.56	1	A
Aroclor 1262	ND		ug/kg	59.8	2.96	1	A
Aroclor 1268	ND		ug/kg	59.8	8.67	1	A
PCBs, Total	17.9	J	ug/kg	59.8	2.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-12	Date Collected:	08/12/15 12:00
Client ID:	SB-5 9-10	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/19/15 09:36
Analytical Date:	08/20/15 06:21	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/19/15
Percent Solids:	86%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	2.97	1	A
Aroclor 1221	ND		ug/kg	37.6	3.47	1	A
Aroclor 1232	ND		ug/kg	37.6	4.41	1	A
Aroclor 1242	ND		ug/kg	37.6	4.60	1	A
Aroclor 1248	ND		ug/kg	37.6	3.18	1	A
Aroclor 1254	ND		ug/kg	37.6	3.09	1	A
Aroclor 1260	ND		ug/kg	37.6	2.87	1	A
Aroclor 1262	ND		ug/kg	37.6	1.87	1	A
Aroclor 1268	ND		ug/kg	37.6	5.46	1	A
PCBs, Total	ND		ug/kg	37.6	1.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 7139

Project Number: 7139

Lab Number: L1519463

Report Date: 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/20/15 06:37
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 08/19/15 09:36
Cleanup Method: EPA 3665A
Cleanup Date: 08/19/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-12 Batch: WG813435-1						
Aroclor 1016	ND		ug/kg	31.7	2.51	A
Aroclor 1221	ND		ug/kg	31.7	2.93	A
Aroclor 1232	ND		ug/kg	31.7	3.72	A
Aroclor 1242	ND		ug/kg	31.7	3.88	A
Aroclor 1248	ND		ug/kg	31.7	2.68	A
Aroclor 1254	ND		ug/kg	31.7	2.61	A
Aroclor 1260	ND		ug/kg	31.7	2.42	A
Aroclor 1262	ND		ug/kg	31.7	1.57	A
Aroclor 1268	ND		ug/kg	31.7	4.60	A
PCBs, Total	ND		ug/kg	31.7	1.57	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	67		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-12 Batch: WG813435-2 WG813435-3									
Aroclor 1016	84		77		40-140	9		50	A
Aroclor 1260	64		60		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		78		30-150	A
Decachlorobiphenyl	59		58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		79		30-150	B
Decachlorobiphenyl	71		67		30-150	B

PESTICIDES

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-01	Date Collected:	08/11/15 09:15
Client ID:	SB-1 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/19/15 10:36
Analytical Date:	08/20/15 00:43	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/19/15
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	0.359	1	A
Lindane	ND		ug/kg	0.764	0.341	1	A
Alpha-BHC	ND		ug/kg	0.764	0.217	1	A
Beta-BHC	ND		ug/kg	1.83	0.695	1	A
Heptachlor	ND		ug/kg	0.917	0.411	1	A
Aldrin	ND		ug/kg	1.83	0.645	1	A
Endrin	7.74		ug/kg	0.764	0.313	1	B
Dieldrin	17.2		ug/kg	1.14	0.573	1	A
4,4'-DDE	ND		ug/kg	1.83	0.424	1	A
4,4'-DDD	ND		ug/kg	1.83	0.654	1	A
4,4'-DDT	16.1	PI	ug/kg	3.44	1.47	1	A
Endosulfan I	ND		ug/kg	1.83	0.433	1	A
Endosulfan II	1.60	JPI	ug/kg	1.83	0.613	1	A
Endosulfan sulfate	ND		ug/kg	0.764	0.364	1	A
cis-Chlordane	ND		ug/kg	2.29	0.638	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	53		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-01	Date Collected:	08/11/15 09:15
Client ID:	SB-1 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/19/15 08:30
Analytical Date:	08/20/15 11:33		
Analyst:	SS		
Percent Solids:	86%		
Methylation Date:	08/20/15 00:57		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	193	11.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	67		30-150	B
DCAA	74		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-02	Date Collected:	08/11/15 08:00
Client ID:	SB-2 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/19/15 10:36
Analytical Date:	08/20/15 00:59	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/19/15
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.60	0.314	1	A
Lindane	ND		ug/kg	0.669	0.299	1	A
Alpha-BHC	ND		ug/kg	0.669	0.190	1	A
Beta-BHC	ND		ug/kg	1.60	0.609	1	A
Heptachlor	ND		ug/kg	0.803	0.360	1	A
Aldrin	ND		ug/kg	1.60	0.565	1	A
Endrin	ND		ug/kg	0.669	0.274	1	A
Dieldrin	ND		ug/kg	1.00	0.502	1	A
4,4'-DDE	ND		ug/kg	1.60	0.371	1	A
4,4'-DDD	ND		ug/kg	1.60	0.572	1	A
4,4'-DDT	1.95	JPI	ug/kg	3.01	1.29	1	A
Endosulfan I	ND		ug/kg	1.60	0.379	1	A
Endosulfan II	ND		ug/kg	1.60	0.536	1	A
Endosulfan sulfate	ND		ug/kg	0.669	0.318	1	A
cis-Chlordane	2.02		ug/kg	2.01	0.559	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	58		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-02	Date Collected:	08/11/15 08:00
Client ID:	SB-2 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/19/15 08:30
Analytical Date:	08/20/15 11:53		
Analyst:	SS		
Percent Solids:	94%		
Methylation Date:	08/20/15 00:57		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	177	10.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	42		30-150	B
DCAA	52		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-03	Date Collected:	08/11/15 10:00
Client ID:	SB-3 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/19/15 10:36
Analytical Date:	08/20/15 01:14	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/19/15
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.732	0.327	1	A
Alpha-BHC	ND		ug/kg	0.732	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.666	1	A
Heptachlor	ND		ug/kg	0.879	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.619	1	A
Endrin	ND		ug/kg	0.732	0.300	1	A
Dieldrin	ND		ug/kg	1.10	0.549	1	A
4,4'-DDE	ND		ug/kg	1.76	0.406	1	A
4,4'-DDD	ND		ug/kg	1.76	0.627	1	A
4,4'-DDT	4.80		ug/kg	3.29	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	ND		ug/kg	1.76	0.587	1	A
Endosulfan sulfate	ND		ug/kg	0.732	0.348	1	A
cis-Chlordane	ND		ug/kg	2.20	0.612	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	57		30-150	B
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	57		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-03	Date Collected:	08/11/15 10:00
Client ID:	SB-3 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/19/15 08:30
Analytical Date:	08/20/15 12:12		
Analyst:	SS		
Percent Solids:	88%		
Methylation Date:	08/20/15 00:57		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	189	11.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	61		30-150	B
DCAA	73		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-04	Date Collected:	08/11/15 11:00
Client ID:	SB-4 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/24/15 15:49
Analytical Date:	08/25/15 04:22	Cleanup Method:	EPA 3630
Analyst:	AL	Cleanup Date:	08/24/15
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.366	1	A
Lindane	ND		ug/kg	0.779	0.348	1	A
Alpha-BHC	ND		ug/kg	0.779	0.221	1	A
Beta-BHC	ND		ug/kg	1.87	0.709	1	A
Heptachlor	ND		ug/kg	0.935	0.419	1	A
Aldrin	ND		ug/kg	1.87	0.659	1	A
Endrin	ND		ug/kg	0.779	0.320	1	A
Dieldrin	ND		ug/kg	1.17	0.584	1	A
4,4'-DDE	2.08		ug/kg	1.87	0.432	1	A
4,4'-DDD	ND		ug/kg	1.87	0.667	1	A
4,4'-DDT	8.44	PI	ug/kg	3.51	1.50	1	A
Endosulfan I	ND		ug/kg	1.87	0.442	1	A
Endosulfan II	ND		ug/kg	1.87	0.625	1	A
Endosulfan sulfate	9.35	PI	ug/kg	0.779	0.371	1	A
cis-Chlordane	ND		ug/kg	2.34	0.652	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	72		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-04	Date Collected:	08/11/15 11:00
Client ID:	SB-4 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/19/15 08:30
Analytical Date:	08/20/15 15:29		
Analyst:	SS		
Percent Solids:	82%		
Methylation Date:	08/20/15 00:57		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	199	11.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	49		30-150	B
DCAA	55		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-05	Date Collected:	08/11/15 10:45
Client ID:	SB-5 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/19/15 10:36
Analytical Date:	08/20/15 01:45	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/19/15
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.721	0.322	1	A
Alpha-BHC	ND		ug/kg	0.721	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.866	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.610	1	A
Endrin	ND		ug/kg	0.721	0.296	1	A
Dieldrin	ND		ug/kg	1.08	0.541	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	A
4,4'-DDD	ND		ug/kg	1.73	0.618	1	A
4,4'-DDT	ND		ug/kg	3.25	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.579	1	A
Endosulfan sulfate	ND		ug/kg	0.721	0.343	1	A
cis-Chlordane	ND		ug/kg	2.16	0.603	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	54		30-150	B
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	53		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-05	Date Collected:	08/11/15 10:45
Client ID:	SB-5 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/19/15 08:30
Analytical Date:	08/20/15 15:58		
Analyst:	SS		
Percent Solids:	87%		
Methylation Date:	08/20/15 00:57		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	188	11.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	B
DCAA	73		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-06	Date Collected:	08/11/15 08:30
Client ID:	SB-2 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/19/15 10:36
Analytical Date:	08/20/15 02:01	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/19/15
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.321	1	A
Lindane	ND		ug/kg	0.683	0.305	1	A
Alpha-BHC	ND		ug/kg	0.683	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.621	1	A
Heptachlor	ND		ug/kg	0.819	0.367	1	A
Aldrin	ND		ug/kg	1.64	0.577	1	A
Endrin	ND		ug/kg	0.683	0.280	1	A
Dieldrin	ND		ug/kg	1.02	0.512	1	A
4,4'-DDE	ND		ug/kg	1.64	0.379	1	A
4,4'-DDD	ND		ug/kg	1.64	0.584	1	A
4,4'-DDT	ND		ug/kg	3.07	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.387	1	A
Endosulfan II	ND		ug/kg	1.64	0.548	1	A
Endosulfan sulfate	ND		ug/kg	0.683	0.325	1	A
cis-Chlordane	ND		ug/kg	2.05	0.571	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	44		30-150	B
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	42		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-06	Date Collected:	08/11/15 08:30
Client ID:	SB-2 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/19/15 08:30
Analytical Date:	08/20/15 16:18		
Analyst:	SS		
Percent Solids:	92%		
Methylation Date:	08/20/15 00:57		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	178	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	66		30-150	B
DCAA	77		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-07	Date Collected:	08/11/15 10:15
Client ID:	SB-3 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/19/15 10:36
Analytical Date:	08/20/15 02:17	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/19/15
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.325	1	A
Lindane	ND		ug/kg	0.692	0.309	1	A
Alpha-BHC	ND		ug/kg	0.692	0.196	1	A
Beta-BHC	ND		ug/kg	1.66	0.630	1	A
Heptachlor	ND		ug/kg	0.830	0.372	1	A
Aldrin	ND		ug/kg	1.66	0.585	1	A
Endrin	ND		ug/kg	0.692	0.284	1	A
Dieldrin	ND		ug/kg	1.04	0.519	1	A
4,4'-DDE	ND		ug/kg	1.66	0.384	1	A
4,4'-DDD	ND		ug/kg	1.66	0.592	1	A
4,4'-DDT	ND		ug/kg	3.11	1.34	1	A
Endosulfan I	ND		ug/kg	1.66	0.392	1	A
Endosulfan II	ND		ug/kg	1.66	0.555	1	A
Endosulfan sulfate	ND		ug/kg	0.692	0.329	1	A
cis-Chlordane	ND		ug/kg	2.08	0.578	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	65		30-150	B
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-07	Date Collected:	08/11/15 10:15
Client ID:	SB-3 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/19/15 08:30
Analytical Date:	08/20/15 16:37		
Analyst:	SS		
Percent Solids:	92%		
Methylation Date:	08/20/15 00:57		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	181	10.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	60		30-150	B
DCAA	69		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-08	Date Collected:	08/12/15 11:00
Client ID:	SB-5 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/19/15 10:36
Analytical Date:	08/20/15 02:32	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/19/15
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.10	0.412	1	A
Lindane	ND		ug/kg	0.876	0.391	1	A
Alpha-BHC	ND		ug/kg	0.876	0.249	1	A
Beta-BHC	ND		ug/kg	2.10	0.797	1	A
Heptachlor	ND		ug/kg	1.05	0.471	1	A
Aldrin	ND		ug/kg	2.10	0.740	1	A
Endrin	ND		ug/kg	0.876	0.359	1	A
Dieldrin	ND		ug/kg	1.31	0.657	1	A
4,4'-DDE	ND		ug/kg	2.10	0.486	1	A
4,4'-DDD	ND		ug/kg	2.10	0.750	1	A
4,4'-DDT	ND		ug/kg	3.94	1.69	1	A
Endosulfan I	ND		ug/kg	2.10	0.496	1	A
Endosulfan II	ND		ug/kg	2.10	0.702	1	A
Endosulfan sulfate	ND		ug/kg	0.876	0.417	1	A
cis-Chlordane	ND		ug/kg	2.63	0.732	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	56		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	76		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-08	Date Collected:	08/12/15 11:00
Client ID:	SB-5 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/19/15 08:30
Analytical Date:	08/20/15 17:17		
Analyst:	SS		
Percent Solids:	72%		
Methylation Date:	08/20/15 00:57		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	230	13.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	68		30-150	B
DCAA	76		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-09	Date Collected:	08/12/15 09:30
Client ID:	SB-6 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/19/15 10:36
Analytical Date:	08/20/15 02:48	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/19/15
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.333	1	A
Lindane	ND		ug/kg	0.708	0.316	1	A
Alpha-BHC	ND		ug/kg	0.708	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.644	1	A
Heptachlor	ND		ug/kg	0.849	0.381	1	A
Aldrin	ND		ug/kg	1.70	0.598	1	A
Endrin	ND		ug/kg	0.708	0.290	1	A
Dieldrin	ND		ug/kg	1.06	0.531	1	A
4,4'-DDE	ND		ug/kg	1.70	0.393	1	A
4,4'-DDD	ND		ug/kg	1.70	0.606	1	A
4,4'-DDT	ND		ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.70	0.401	1	A
Endosulfan II	ND		ug/kg	1.70	0.568	1	A
Endosulfan sulfate	ND		ug/kg	0.708	0.337	1	A
cis-Chlordane	ND		ug/kg	2.12	0.592	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	47		30-150	B
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	45		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-09	Date Collected:	08/12/15 09:30
Client ID:	SB-6 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/19/15 08:30
Analytical Date:	08/20/15 17:36		
Analyst:	SS		
Percent Solids:	90%		
Methylation Date:	08/20/15 00:57		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	185	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**2**	Q	30-150	B
DCAA	**2**	Q	30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-09 RE	Date Collected:	08/12/15 09:30
Client ID:	SB-6 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/15 09:45
Analytical Date:	08/23/15 03:56		
Analyst:	SS		
Percent Solids:	90%		
Methylation Date:	08/22/15 10:50		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	185	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**24**	Q	30-150	B
DCAA	**27**	Q	30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-10	Date Collected:	08/11/15 08:45
Client ID:	SB-2 12-13	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/19/15 10:36
Analytical Date:	08/20/15 03:04	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/19/15
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.10	0.411	1	A
Lindane	ND		ug/kg	0.875	0.391	1	A
Alpha-BHC	ND		ug/kg	0.875	0.248	1	A
Beta-BHC	ND		ug/kg	2.10	0.796	1	A
Heptachlor	ND		ug/kg	1.05	0.471	1	A
Aldrin	ND		ug/kg	2.10	0.739	1	A
Endrin	ND		ug/kg	0.875	0.359	1	A
Dieldrin	ND		ug/kg	1.31	0.656	1	A
4,4'-DDE	ND		ug/kg	2.10	0.485	1	A
4,4'-DDD	ND		ug/kg	2.10	0.749	1	A
4,4'-DDT	ND		ug/kg	3.94	1.69	1	A
Endosulfan I	ND		ug/kg	2.10	0.496	1	A
Endosulfan II	ND		ug/kg	2.10	0.702	1	A
Endosulfan sulfate	ND		ug/kg	0.875	0.416	1	A
cis-Chlordane	ND		ug/kg	2.62	0.731	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	36		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	55		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-10	Date Collected:	08/11/15 08:45
Client ID:	SB-2 12-13	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/19/15 08:30
Analytical Date:	08/20/15 17:56		
Analyst:	SS		
Percent Solids:	72%		
Methylation Date:	08/20/15 00:57		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	229	13.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	B
DCAA	84		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-11	Date Collected:	08/11/15 09:30
Client ID:	SB-1 10-11	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/19/15 10:36
Analytical Date:	08/20/15 03:19	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/19/15
Percent Solids:	53%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.84	0.556	1	A
Lindane	ND		ug/kg	1.18	0.528	1	A
Alpha-BHC	ND		ug/kg	1.18	0.336	1	A
Beta-BHC	ND		ug/kg	2.84	1.08	1	A
Heptachlor	ND		ug/kg	1.42	0.636	1	A
Aldrin	ND		ug/kg	2.84	0.999	1	A
Endrin	ND		ug/kg	1.18	0.485	1	A
Dieldrin	ND		ug/kg	1.77	0.887	1	A
4,4'-DDE	ND		ug/kg	2.84	0.656	1	A
4,4'-DDD	ND		ug/kg	2.84	1.01	1	A
4,4'-DDT	ND		ug/kg	5.32	2.28	1	A
Endosulfan I	ND		ug/kg	2.84	0.670	1	A
Endosulfan II	ND		ug/kg	2.84	0.948	1	A
Endosulfan sulfate	ND		ug/kg	1.18	0.563	1	A
cis-Chlordane	ND		ug/kg	3.55	0.988	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	39		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**1340**	Q	30-150	A
Decachlorobiphenyl	37		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-11	Date Collected:	08/11/15 09:30
Client ID:	SB-1 10-11	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/19/15 08:30
Analytical Date:	08/20/15 18:16		
Analyst:	SS		
Percent Solids:	53%		
Methylation Date:	08/20/15 00:57		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	308	18.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	69		30-150	B
DCAA	81		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-12	Date Collected:	08/12/15 12:00
Client ID:	SB-5 9-10	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/19/15 10:36
Analytical Date:	08/20/15 03:35	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/19/15
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.356	1	A
Lindane	ND		ug/kg	0.757	0.338	1	A
Alpha-BHC	ND		ug/kg	0.757	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.689	1	A
Heptachlor	ND		ug/kg	0.908	0.407	1	A
Aldrin	ND		ug/kg	1.82	0.640	1	A
Endrin	ND		ug/kg	0.757	0.310	1	A
Dieldrin	ND		ug/kg	1.14	0.568	1	A
4,4'-DDE	ND		ug/kg	1.82	0.420	1	A
4,4'-DDD	ND		ug/kg	1.82	0.648	1	A
4,4'-DDT	ND		ug/kg	3.41	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.429	1	A
Endosulfan II	ND		ug/kg	1.82	0.607	1	A
Endosulfan sulfate	ND		ug/kg	0.757	0.360	1	A
cis-Chlordane	ND		ug/kg	2.27	0.633	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	45		30-150	B
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	47		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-12	Date Collected:	08/12/15 12:00
Client ID:	SB-5 9-10	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/19/15 08:30
Analytical Date:	08/20/15 18:35		
Analyst:	SS		
Percent Solids:	86%		
Methylation Date:	08/20/15 00:57		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	190	11.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	67		30-150	B
DCAA	81		30-150	A

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/20/15 10:34
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 08/19/15 08:30

Methylation Date: 08/20/15 00:57

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-12 Batch: WG813392-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	9.90	A
2,4,5-TP (Silvex)	ND		ug/kg	162	9.45	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	63		30-150	B
DCAA	71		30-150	A

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/19/15 23:56
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 08/19/15 10:36
Cleanup Method: EPA 3620B
Cleanup Date: 08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03,05-12 Batch: WG813463-1						
Delta-BHC	ND		ug/kg	1.55	0.303	A
Lindane	ND		ug/kg	0.645	0.288	A
Alpha-BHC	ND		ug/kg	0.645	0.183	A
Beta-BHC	ND		ug/kg	1.55	0.587	A
Heptachlor	ND		ug/kg	0.774	0.347	A
Aldrin	ND		ug/kg	1.55	0.545	A
Heptachlor epoxide	ND		ug/kg	2.90	0.870	A
Endrin	ND		ug/kg	0.645	0.264	A
Endrin ketone	ND		ug/kg	1.55	0.398	A
Dieldrin	ND		ug/kg	0.967	0.484	A
4,4'-DDE	ND		ug/kg	1.55	0.358	A
4,4'-DDD	ND		ug/kg	1.55	0.552	A
4,4'-DDT	ND		ug/kg	2.90	1.24	A
Endosulfan I	ND		ug/kg	1.55	0.366	A
Endosulfan II	ND		ug/kg	1.55	0.517	A
Endosulfan sulfate	ND		ug/kg	0.645	0.307	A
Methoxychlor	ND		ug/kg	2.90	0.903	A
Toxaphene	ND		ug/kg	29.0	8.12	A
cis-Chlordane	ND		ug/kg	1.93	0.539	A
trans-Chlordane	ND		ug/kg	1.93	0.511	A
Chlordane	ND		ug/kg	12.6	5.12	A

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/19/15 23:56
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 08/19/15 10:36
Cleanup Method: EPA 3620B
Cleanup Date: 08/19/15

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03,05-12 Batch: WG813463-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	65		30-150	A

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/23/15 03:37
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 08/21/15 09:45

Methylation Date: 08/22/15 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 09 Batch: WG814293-1						
Dicamba	ND		ug/kg	32.4	9.82	A
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	9.92	A
2,4,5-TP (Silvex)	ND		ug/kg	162	9.46	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	70		30-150	B
DCAA	80		30-150	A

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/25/15 03:03
Analyst: AL

Extraction Method: EPA 3546
Extraction Date: 08/24/15 15:49
Cleanup Method: EPA 3630
Cleanup Date: 08/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04 Batch: WG815090-1						
Delta-BHC	ND		ug/kg	1.51	0.296	A
Lindane	ND		ug/kg	0.629	0.281	A
Alpha-BHC	ND		ug/kg	0.629	0.179	A
Beta-BHC	ND		ug/kg	1.51	0.572	A
Heptachlor	ND		ug/kg	0.755	0.338	A
Aldrin	ND		ug/kg	1.51	0.531	A
Heptachlor epoxide	ND		ug/kg	2.83	0.849	A
Endrin	ND		ug/kg	0.629	0.258	A
Endrin ketone	ND		ug/kg	1.51	0.389	A
Dieldrin	ND		ug/kg	0.943	0.472	A
4,4'-DDE	ND		ug/kg	1.51	0.349	A
4,4'-DDD	ND		ug/kg	1.51	0.538	A
4,4'-DDT	ND		ug/kg	2.83	1.21	A
Endosulfan I	ND		ug/kg	1.51	0.357	A
Endosulfan II	ND		ug/kg	1.51	0.504	A
Endosulfan sulfate	ND		ug/kg	0.629	0.299	A
Methoxychlor	ND		ug/kg	2.83	0.880	A
Toxaphene	ND		ug/kg	28.3	7.92	A
cis-Chlordane	ND		ug/kg	1.89	0.526	A
trans-Chlordane	ND		ug/kg	1.89	0.498	A
Chlordane	ND		ug/kg	12.3	5.00	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	56		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-12 Batch: WG813392-2 WG813392-3									
2,4-D	78		73		30-150	7		30	A
2,4,5-T	79		79		30-150	0		30	A
2,4,5-TP (Silvex)	84		79		30-150	6		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	72		65		30-150	B
DCAA	78		77		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,05-12 Batch: WG813463-2 WG813463-3									
Delta-BHC	55		43		30-150	24		30	A
Lindane	66		53		30-150	22		30	A
Alpha-BHC	70		56		30-150	22		30	A
Beta-BHC	63		54		30-150	15		30	A
Heptachlor	64		51		30-150	23		30	A
Aldrin	68		54		30-150	23		30	A
Heptachlor epoxide	65		52		30-150	22		30	A
Endrin	75		62		30-150	19		30	A
Endrin ketone	59		46		30-150	25		30	A
Dieldrin	73		59		30-150	21		30	A
4,4'-DDE	66		54		30-150	20		30	A
4,4'-DDD	79		63		30-150	23		30	A
4,4'-DDT	62		52		30-150	18		30	A
Endosulfan I	65		52		30-150	22		30	A
Endosulfan II	67		53		30-150	23		30	A
Endosulfan sulfate	49		39		30-150	23		30	A
Methoxychlor	62		49		30-150	23		30	A
cis-Chlordane	64		52		30-150	21		30	A
trans-Chlordane	68		55		30-150	21		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,05-12 Batch: WG813463-2 WG813463-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		52		30-150	B
Decachlorobiphenyl	82		64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	56		46		30-150	A
Decachlorobiphenyl	67		55		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 09 Batch: WG814293-2 WG814293-3									
Dicamba	70		71		30-150	1		30	A
2,4-D	72		77		30-150	7		30	A
2,4,5-T	74		76		30-150	3		30	A
2,4,5-TP (Silvex)	76		76		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	70		69		30-150	B
DCAA	69		69		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04 Batch: WG815090-2 WG815090-3									
Delta-BHC	78		69		30-150	12		30	A
Lindane	89		86		30-150	3		30	A
Alpha-BHC	94		88		30-150	7		30	A
Beta-BHC	133		**157**	Q	30-150	17		30	A
Heptachlor	99		93		30-150	6		30	A
Aldrin	105		94		30-150	11		30	A
Heptachlor epoxide	95		85		30-150	11		30	A
Endrin	104		94		30-150	10		30	A
Endrin ketone	73		72		30-150	1		30	A
Dieldrin	98		92		30-150	6		30	A
4,4'-DDE	93		88		30-150	6		30	A
4,4'-DDD	107		99		30-150	8		30	A
4,4'-DDT	107		101		30-150	6		30	A
Endosulfan I	94		91		30-150	3		30	A
Endosulfan II	84		80		30-150	5		30	A
Endosulfan sulfate	69		67		30-150	3		30	A
Methoxychlor	90		90		30-150	0		30	A
cis-Chlordane	96		89		30-150	8		30	A
trans-Chlordane	96		86		30-150	11		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04 Batch: WG815090-2 WG815090-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		79		30-150	B
Decachlorobiphenyl	92		87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		79		30-150	A
Decachlorobiphenyl	75		76		30-150	A

METALS

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-01 Date Collected: 08/11/15 09:15

Client ID: SB-1 0-2 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	9.5		mg/kg	0.46	0.09	1	08/14/15 15:37	08/20/15 10:39	EPA 3050B	1,6010C	JH
Barium, Total	130		mg/kg	0.46	0.14	1	08/14/15 15:37	08/20/15 10:39	EPA 3050B	1,6010C	JH
Beryllium, Total	0.24		mg/kg	0.23	0.05	1	08/14/15 15:37	08/20/15 10:39	EPA 3050B	1,6010C	JH
Cadmium, Total	2.9		mg/kg	0.46	0.03	1	08/14/15 15:37	08/20/15 10:39	EPA 3050B	1,6010C	JH
Chromium, Total	18		mg/kg	0.46	0.09	1	08/14/15 15:37	08/20/15 10:39	EPA 3050B	1,6010C	JH
Copper, Total	87		mg/kg	0.46	0.09	1	08/14/15 15:37	08/20/15 10:39	EPA 3050B	1,6010C	JH
Lead, Total	650		mg/kg	2.3	0.09	1	08/14/15 15:37	08/20/15 10:39	EPA 3050B	1,6010C	JH
Manganese, Total	140		mg/kg	0.46	0.09	1	08/14/15 15:37	08/20/15 10:39	EPA 3050B	1,6010C	JH
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	08/14/15 10:50	08/14/15 16:11	EPA 7471B	1,7471B	DB
Nickel, Total	20		mg/kg	1.2	0.18	1	08/14/15 15:37	08/20/15 10:39	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.93	0.14	1	08/14/15 15:37	08/20/15 10:39	EPA 3050B	1,6010C	JH
Silver, Total	1.1		mg/kg	0.46	0.09	1	08/14/15 15:37	08/20/15 10:39	EPA 3050B	1,6010C	JH
Zinc, Total	240		mg/kg	2.3	0.32	1	08/14/15 15:37	08/20/15 10:39	EPA 3050B	1,6010C	JH

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-02 Date Collected: 08/11/15 08:00

Client ID: SB-2 0-2 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND Field Prep: Not Specified

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.6		mg/kg	0.42	0.09	1	08/14/15 15:37	08/20/15 10:55	EPA 3050B	1,6010C	JH
Barium, Total	32		mg/kg	0.42	0.13	1	08/14/15 15:37	08/20/15 10:55	EPA 3050B	1,6010C	JH
Beryllium, Total	0.21		mg/kg	0.21	0.04	1	08/14/15 15:37	08/20/15 10:55	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/14/15 15:37	08/20/15 10:55	EPA 3050B	1,6010C	JH
Chromium, Total	9.3		mg/kg	0.42	0.09	1	08/14/15 15:37	08/20/15 10:55	EPA 3050B	1,6010C	JH
Copper, Total	24		mg/kg	0.42	0.09	1	08/14/15 15:37	08/20/15 10:55	EPA 3050B	1,6010C	JH
Lead, Total	32		mg/kg	2.1	0.09	1	08/14/15 15:37	08/20/15 10:55	EPA 3050B	1,6010C	JH
Manganese, Total	170		mg/kg	0.42	0.09	1	08/14/15 15:37	08/20/15 10:55	EPA 3050B	1,6010C	JH
Mercury, Total	0.05	J	mg/kg	0.07	0.02	1	08/14/15 10:50	08/14/15 16:18	EPA 7471B	1,7471B	DB
Nickel, Total	8.8		mg/kg	1.0	0.17	1	08/14/15 15:37	08/20/15 10:55	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.85	0.13	1	08/14/15 15:37	08/20/15 10:55	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.42	0.09	1	08/14/15 15:37	08/20/15 10:55	EPA 3050B	1,6010C	JH
Zinc, Total	40		mg/kg	2.1	0.30	1	08/14/15 15:37	08/20/15 10:55	EPA 3050B	1,6010C	JH

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-03 Date Collected: 08/11/15 10:00

Client ID: SB-3 0-2 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	12		mg/kg	0.44	0.09	1	08/14/15 15:37	08/20/15 10:58	EPA 3050B	1,6010C	JH
Barium, Total	140		mg/kg	0.44	0.13	1	08/14/15 15:37	08/20/15 10:58	EPA 3050B	1,6010C	JH
Beryllium, Total	0.29		mg/kg	0.22	0.04	1	08/14/15 15:37	08/20/15 10:58	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.44	0.03	1	08/14/15 15:37	08/20/15 10:58	EPA 3050B	1,6010C	JH
Chromium, Total	13		mg/kg	0.44	0.09	1	08/14/15 15:37	08/20/15 10:58	EPA 3050B	1,6010C	JH
Copper, Total	62		mg/kg	0.44	0.09	1	08/14/15 15:37	08/20/15 10:58	EPA 3050B	1,6010C	JH
Lead, Total	240		mg/kg	2.2	0.09	1	08/14/15 15:37	08/20/15 10:58	EPA 3050B	1,6010C	JH
Manganese, Total	280		mg/kg	0.44	0.09	1	08/14/15 15:37	08/20/15 10:58	EPA 3050B	1,6010C	JH
Mercury, Total	0.87		mg/kg	0.08	0.02	1	08/14/15 10:50	08/14/15 16:20	EPA 7471B	1,7471B	DB
Nickel, Total	12		mg/kg	1.1	0.18	1	08/14/15 15:37	08/20/15 10:58	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.88	0.13	1	08/14/15 15:37	08/20/15 10:58	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.44	0.09	1	08/14/15 15:37	08/20/15 10:58	EPA 3050B	1,6010C	JH
Zinc, Total	210		mg/kg	2.2	0.31	1	08/14/15 15:37	08/20/15 10:58	EPA 3050B	1,6010C	JH

Project Name:	7139	**Lab Number:**	L1519463
Project Number:	7139	**Report Date:**	08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-04	Date Collected:	08/11/15 11:00
Client ID:	SB-4 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	12		mg/kg	0.48	0.10	1	08/14/15 15:37	08/20/15 11:51	EPA 3050B	1,6010C	JH
Barium, Total	93		mg/kg	0.48	0.14	1	08/14/15 15:37	08/20/15 11:51	EPA 3050B	1,6010C	JH
Beryllium, Total	0.26		mg/kg	0.24	0.05	1	08/14/15 15:37	08/20/15 11:51	EPA 3050B	1,6010C	JH
Cadmium, Total	0.55		mg/kg	0.48	0.03	1	08/14/15 15:37	08/20/15 11:51	EPA 3050B	1,6010C	JH
Chromium, Total	14		mg/kg	0.48	0.10	1	08/14/15 15:37	08/20/15 11:51	EPA 3050B	1,6010C	JH
Copper, Total	50		mg/kg	0.48	0.10	1	08/14/15 15:37	08/20/15 11:51	EPA 3050B	1,6010C	JH
Lead, Total	540		mg/kg	2.4	0.10	1	08/14/15 15:37	08/20/15 11:51	EPA 3050B	1,6010C	JH
Manganese, Total	210		mg/kg	0.48	0.10	1	08/14/15 15:37	08/20/15 11:51	EPA 3050B	1,6010C	JH
Mercury, Total	0.26		mg/kg	0.08	0.02	1	08/14/15 10:50	08/14/15 16:22	EPA 7471B	1,7471B	DB
Nickel, Total	15		mg/kg	1.2	0.19	1	08/14/15 15:37	08/20/15 11:51	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.96	0.14	1	08/14/15 15:37	08/20/15 11:51	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.48	0.10	1	08/14/15 15:37	08/20/15 11:51	EPA 3050B	1,6010C	JH
Zinc, Total	240		mg/kg	2.4	0.33	1	08/14/15 15:37	08/20/15 11:51	EPA 3050B	1,6010C	JH

Project Name:	7139	**Lab Number:**	L1519463
Project Number:	7139	**Report Date:**	08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-05	Date Collected:	08/11/15 10:45
Client ID:	SB-5 0-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	8.3		mg/kg	0.43	0.09	1	08/14/15 15:37	08/20/15 11:55	EPA 3050B	1,6010C	JH
Barium, Total	36		mg/kg	0.43	0.13	1	08/14/15 15:37	08/20/15 11:55	EPA 3050B	1,6010C	JH
Beryllium, Total	0.24		mg/kg	0.22	0.04	1	08/14/15 15:37	08/20/15 11:55	EPA 3050B	1,6010C	JH
Cadmium, Total	0.19	J	mg/kg	0.43	0.03	1	08/14/15 15:37	08/20/15 11:55	EPA 3050B	1,6010C	JH
Chromium, Total	11		mg/kg	0.43	0.09	1	08/14/15 15:37	08/20/15 11:55	EPA 3050B	1,6010C	JH
Copper, Total	25		mg/kg	0.43	0.09	1	08/14/15 15:37	08/20/15 11:55	EPA 3050B	1,6010C	JH
Lead, Total	62		mg/kg	2.2	0.09	1	08/14/15 15:37	08/20/15 11:55	EPA 3050B	1,6010C	JH
Manganese, Total	210		mg/kg	0.43	0.09	1	08/14/15 15:37	08/20/15 11:55	EPA 3050B	1,6010C	JH
Mercury, Total	0.33		mg/kg	0.08	0.02	1	08/14/15 10:50	08/14/15 16:23	EPA 7471B	1,7471B	DB
Nickel, Total	13		mg/kg	1.1	0.17	1	08/14/15 15:37	08/20/15 11:55	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.87	0.13	1	08/14/15 15:37	08/20/15 11:55	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.43	0.09	1	08/14/15 15:37	08/20/15 11:55	EPA 3050B	1,6010C	JH
Zinc, Total	990		mg/kg	4.3	0.61	2	08/14/15 15:37	08/20/15 12:40	EPA 3050B	1,6010C	JH

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-06 Date Collected: 08/11/15 08:30

Client ID: SB-2 4-6 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	5.9		mg/kg	0.43	0.09	1	08/14/15 15:37	08/20/15 11:59	EPA 3050B	1,6010C	JH
Barium, Total	30		mg/kg	0.43	0.13	1	08/14/15 15:37	08/20/15 11:59	EPA 3050B	1,6010C	JH
Beryllium, Total	0.20	J	mg/kg	0.21	0.04	1	08/14/15 15:37	08/20/15 11:59	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.43	0.03	1	08/14/15 15:37	08/20/15 11:59	EPA 3050B	1,6010C	JH
Chromium, Total	10		mg/kg	0.43	0.09	1	08/14/15 15:37	08/20/15 11:59	EPA 3050B	1,6010C	JH
Copper, Total	22		mg/kg	0.43	0.09	1	08/14/15 15:37	08/20/15 11:59	EPA 3050B	1,6010C	JH
Lead, Total	48		mg/kg	2.1	0.09	1	08/14/15 15:37	08/20/15 11:59	EPA 3050B	1,6010C	JH
Manganese, Total	180		mg/kg	0.43	0.09	1	08/14/15 15:37	08/20/15 11:59	EPA 3050B	1,6010C	JH
Mercury, Total	0.04	J	mg/kg	0.07	0.02	1	08/14/15 10:50	08/14/15 16:25	EPA 7471B	1,7471B	DB
Nickel, Total	7.5		mg/kg	1.1	0.17	1	08/14/15 15:37	08/20/15 11:59	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.85	0.13	1	08/14/15 15:37	08/20/15 11:59	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.43	0.09	1	08/14/15 15:37	08/20/15 11:59	EPA 3050B	1,6010C	JH
Zinc, Total	37		mg/kg	2.1	0.30	1	08/14/15 15:37	08/20/15 11:59	EPA 3050B	1,6010C	JH

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-07 Date Collected: 08/11/15 10:15

Client ID: SB-3 4-6 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	15		mg/kg	0.43	0.09	1	08/14/15 15:37	08/20/15 12:02	EPA 3050B	1,6010C	JH
Barium, Total	160		mg/kg	0.43	0.13	1	08/14/15 15:37	08/20/15 12:02	EPA 3050B	1,6010C	JH
Beryllium, Total	0.31		mg/kg	0.21	0.04	1	08/14/15 15:37	08/20/15 12:02	EPA 3050B	1,6010C	JH
Cadmium, Total	0.59		mg/kg	0.43	0.03	1	08/14/15 15:37	08/20/15 12:02	EPA 3050B	1,6010C	JH
Chromium, Total	14		mg/kg	0.43	0.09	1	08/14/15 15:37	08/20/15 12:02	EPA 3050B	1,6010C	JH
Copper, Total	65		mg/kg	0.43	0.09	1	08/14/15 15:37	08/20/15 12:02	EPA 3050B	1,6010C	JH
Lead, Total	270		mg/kg	2.1	0.09	1	08/14/15 15:37	08/20/15 12:02	EPA 3050B	1,6010C	JH
Manganese, Total	290		mg/kg	0.43	0.09	1	08/14/15 15:37	08/20/15 12:02	EPA 3050B	1,6010C	JH
Mercury, Total	0.39		mg/kg	0.07	0.02	1	08/14/15 10:50	08/14/15 16:31	EPA 7471B	1,7471B	DB
Nickel, Total	16		mg/kg	1.1	0.17	1	08/14/15 15:37	08/20/15 12:02	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.86	0.13	1	08/14/15 15:37	08/20/15 12:02	EPA 3050B	1,6010C	JH
Silver, Total	0.12	J	mg/kg	0.43	0.09	1	08/14/15 15:37	08/20/15 12:02	EPA 3050B	1,6010C	JH
Zinc, Total	260		mg/kg	2.1	0.30	1	08/14/15 15:37	08/20/15 12:02	EPA 3050B	1,6010C	JH

Project Name:	7139	**Lab Number:**	L1519463
Project Number:	7139	**Report Date:**	08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-08	Date Collected:	08/12/15 11:00
Client ID:	SB-5 4-6	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	5.1		mg/kg	0.54	0.11	1	08/14/15 15:37	08/20/15 12:06	EPA 3050B	1,6010C	JH
Barium, Total	2.8		mg/kg	0.54	0.16	1	08/14/15 15:37	08/20/15 12:06	EPA 3050B	1,6010C	JH
Beryllium, Total	0.29		mg/kg	0.27	0.05	1	08/14/15 15:37	08/20/15 12:06	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.54	0.04	1	08/14/15 15:37	08/20/15 12:06	EPA 3050B	1,6010C	JH
Chromium, Total	4.5		mg/kg	0.54	0.11	1	08/14/15 15:37	08/20/15 12:06	EPA 3050B	1,6010C	JH
Copper, Total	5.8		mg/kg	0.54	0.11	1	08/14/15 15:37	08/20/15 12:06	EPA 3050B	1,6010C	JH
Lead, Total	ND		mg/kg	13	0.54	5	08/14/15 15:37	08/20/15 12:44	EPA 3050B	1,6010C	JH
Manganese, Total	11		mg/kg	0.54	0.11	1	08/14/15 15:37	08/20/15 12:06	EPA 3050B	1,6010C	JH
Mercury, Total	0.06	J	mg/kg	0.09	0.02	1	08/14/15 10:50	08/14/15 16:32	EPA 7471B	1,7471B	DB
Nickel, Total	2.8		mg/kg	1.3	0.21	1	08/14/15 15:37	08/20/15 12:06	EPA 3050B	1,6010C	JH
Selenium, Total	0.18	J	mg/kg	1.1	0.16	1	08/14/15 15:37	08/20/15 12:06	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.54	0.11	1	08/14/15 15:37	08/20/15 12:06	EPA 3050B	1,6010C	JH
Zinc, Total	7.4		mg/kg	2.7	0.38	1	08/14/15 15:37	08/20/15 12:06	EPA 3050B	1,6010C	JH

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-09 Date Collected: 08/12/15 09:30

Client ID: SB-6 0-2 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.3		mg/kg	0.44	0.09	1	08/14/15 15:37	08/20/15 12:10	EPA 3050B	1,6010C	JH
Barium, Total	20		mg/kg	0.44	0.13	1	08/14/15 15:37	08/20/15 12:10	EPA 3050B	1,6010C	JH
Beryllium, Total	0.12	J	mg/kg	0.22	0.04	1	08/14/15 15:37	08/20/15 12:10	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.44	0.03	1	08/14/15 15:37	08/20/15 12:10	EPA 3050B	1,6010C	JH
Chromium, Total	4.2		mg/kg	0.44	0.09	1	08/14/15 15:37	08/20/15 12:10	EPA 3050B	1,6010C	JH
Copper, Total	8.2		mg/kg	0.44	0.09	1	08/14/15 15:37	08/20/15 12:10	EPA 3050B	1,6010C	JH
Lead, Total	20		mg/kg	2.2	0.09	1	08/14/15 15:37	08/20/15 12:10	EPA 3050B	1,6010C	JH
Manganese, Total	82		mg/kg	0.44	0.09	1	08/14/15 15:37	08/20/15 12:10	EPA 3050B	1,6010C	JH
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	08/14/15 10:50	08/14/15 16:34	EPA 7471B	1,7471B	DB
Nickel, Total	4.2		mg/kg	1.1	0.18	1	08/14/15 15:37	08/20/15 12:10	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.88	0.13	1	08/14/15 15:37	08/20/15 12:10	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.44	0.09	1	08/14/15 15:37	08/20/15 12:10	EPA 3050B	1,6010C	JH
Zinc, Total	29		mg/kg	2.2	0.31	1	08/14/15 15:37	08/20/15 12:10	EPA 3050B	1,6010C	JH

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-10 Date Collected: 08/11/15 08:45

Client ID: SB-2 12-13 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND Field Prep: Not Specified

Matrix: Soil

Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	10		mg/kg	0.52	0.10	1	08/14/15 15:37	08/20/15 12:14	EPA 3050B	1,6010C	JH
Barium, Total	38		mg/kg	0.52	0.16	1	08/14/15 15:37	08/20/15 12:14	EPA 3050B	1,6010C	JH
Beryllium, Total	0.14	J	mg/kg	0.26	0.05	1	08/14/15 15:37	08/20/15 12:14	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.52	0.04	1	08/14/15 15:37	08/20/15 12:14	EPA 3050B	1,6010C	JH
Chromium, Total	6.4		mg/kg	0.52	0.10	1	08/14/15 15:37	08/20/15 12:14	EPA 3050B	1,6010C	JH
Copper, Total	35		mg/kg	0.52	0.10	1	08/14/15 15:37	08/20/15 12:14	EPA 3050B	1,6010C	JH
Lead, Total	110		mg/kg	2.6	0.10	1	08/14/15 15:37	08/20/15 12:14	EPA 3050B	1,6010C	JH
Manganese, Total	180		mg/kg	0.52	0.10	1	08/14/15 15:37	08/20/15 12:14	EPA 3050B	1,6010C	JH
Mercury, Total	0.88		mg/kg	0.09	0.02	1	08/14/15 10:50	08/14/15 16:36	EPA 7471B	1,7471B	DB
Nickel, Total	8.5		mg/kg	1.3	0.21	1	08/14/15 15:37	08/20/15 12:14	EPA 3050B	1,6010C	JH
Selenium, Total	0.39	J	mg/kg	1.0	0.16	1	08/14/15 15:37	08/20/15 12:14	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.52	0.10	1	08/14/15 15:37	08/20/15 12:14	EPA 3050B	1,6010C	JH
Zinc, Total	110		mg/kg	2.6	0.36	1	08/14/15 15:37	08/20/15 12:14	EPA 3050B	1,6010C	JH

Project Name:	7139	**Lab Number:**	L1519463
Project Number:	7139	**Report Date:**	08/25/15

SAMPLE RESULTS

Lab ID:	L1519463-11	Date Collected:	08/11/15 09:30
Client ID:	SB-1 10-11	Date Received:	08/13/15
Sample Location:	11-51 47TH AVENUE, LONG ISLAND	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	53%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	19		mg/kg	0.71	0.14	1	08/14/15 15:37	08/20/15 12:36	EPA 3050B	1,6010C	JH
Barium, Total	96		mg/kg	0.71	0.21	1	08/14/15 15:37	08/20/15 12:36	EPA 3050B	1,6010C	JH
Beryllium, Total	0.27	J	mg/kg	0.36	0.07	1	08/14/15 15:37	08/20/15 12:36	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.71	0.05	1	08/14/15 15:37	08/20/15 12:36	EPA 3050B	1,6010C	JH
Chromium, Total	11		mg/kg	0.71	0.14	1	08/14/15 15:37	08/20/15 12:36	EPA 3050B	1,6010C	JH
Copper, Total	34		mg/kg	0.71	0.14	1	08/14/15 15:37	08/20/15 12:36	EPA 3050B	1,6010C	JH
Lead, Total	3400		mg/kg	3.6	0.14	1	08/14/15 15:37	08/20/15 12:36	EPA 3050B	1,6010C	JH
Manganese, Total	140		mg/kg	0.71	0.14	1	08/14/15 15:37	08/20/15 12:36	EPA 3050B	1,6010C	JH
Mercury, Total	2.3		mg/kg	0.12	0.03	1	08/14/15 10:50	08/14/15 16:37	EPA 7471B	1,7471B	DB
Nickel, Total	9.1		mg/kg	1.8	0.28	1	08/14/15 15:37	08/20/15 12:36	EPA 3050B	1,6010C	JH
Selenium, Total	1.5		mg/kg	1.4	0.21	1	08/14/15 15:37	08/20/15 12:36	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.71	0.14	1	08/14/15 15:37	08/20/15 12:36	EPA 3050B	1,6010C	JH
Zinc, Total	210		mg/kg	3.6	0.50	1	08/14/15 15:37	08/20/15 12:36	EPA 3050B	1,6010C	JH

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-12 Date Collected: 08/12/15 12:00

Client ID: SB-5 9-10 Date Received: 08/13/15

Sample Location: 11-51 47TH AVENUE, LONG ISLAND Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	8.2		mg/kg	0.46	0.09	1	08/14/15 15:37	08/20/15 12:47	EPA 3050B	1,6010C	JH
Barium, Total	34		mg/kg	0.46	0.14	1	08/14/15 15:37	08/20/15 12:47	EPA 3050B	1,6010C	JH
Beryllium, Total	0.38		mg/kg	0.23	0.05	1	08/14/15 15:37	08/20/15 12:47	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.46	0.03	1	08/14/15 15:37	08/20/15 12:47	EPA 3050B	1,6010C	JH
Chromium, Total	12		mg/kg	0.46	0.09	1	08/14/15 15:37	08/20/15 12:47	EPA 3050B	1,6010C	JH
Copper, Total	11		mg/kg	0.46	0.09	1	08/14/15 15:37	08/20/15 12:47	EPA 3050B	1,6010C	JH
Lead, Total	2.0	J	mg/kg	2.3	0.09	1	08/14/15 15:37	08/20/15 12:47	EPA 3050B	1,6010C	JH
Manganese, Total	250		mg/kg	0.46	0.09	1	08/14/15 15:37	08/20/15 12:47	EPA 3050B	1,6010C	JH
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	08/14/15 10:50	08/14/15 16:39	EPA 7471B	1,7471B	DB
Nickel, Total	9.8		mg/kg	1.1	0.18	1	08/14/15 15:37	08/20/15 12:47	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.91	0.14	1	08/14/15 15:37	08/20/15 12:47	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.46	0.09	1	08/14/15 15:37	08/20/15 12:47	EPA 3050B	1,6010C	JH
Zinc, Total	30		mg/kg	2.3	0.32	1	08/14/15 15:37	08/20/15 12:47	EPA 3050B	1,6010C	JH

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-12 Batch: WG812086-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/14/15 10:50	08/14/15 16:01	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-12 Batch: WG812276-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/14/15 15:37	08/20/15 10:32	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	08/14/15 15:37	08/20/15 10:32	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	08/14/15 15:37	08/20/15 10:32	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/14/15 15:37	08/20/15 10:32	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/14/15 15:37	08/20/15 10:32	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	08/14/15 15:37	08/20/15 10:32	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	08/14/15 15:37	08/20/15 10:32	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	08/14/15 15:37	08/20/15 10:32	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	08/14/15 15:37	08/20/15 10:32	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/14/15 15:37	08/20/15 10:32	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	08/14/15 15:37	08/20/15 10:32	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	08/14/15 15:37	08/20/15 10:32	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-12 Batch: WG812086-2 SRM Lot Number: D088-540								
Mercury, Total	104		-		72-128	-		
Total Metals - Westborough Lab Associated sample(s): 01-12 Batch: WG812276-2 SRM Lot Number: D088-540								
Arsenic, Total	96		-		79-121	-		
Barium, Total	88		-		83-117	-		
Beryllium, Total	94		-		83-117	-		
Cadmium, Total	93		-		83-117	-		
Chromium, Total	91		-		80-120	-		
Copper, Total	90		-		81-118	-		
Lead, Total	84		-		81-117	-		
Manganese, Total	98		-		81-118	-		
Nickel, Total	92		-		83-117	-		
Selenium, Total	97		-		78-122	-		
Silver, Total	93		-		75-124	-		
Zinc, Total	92		-		82-118	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG812086-4 QC Sample: L1519463-01 Client ID: SB-1 0-2												
Mercury, Total	0.04J	0.159	0.19	120		-	-		80-120	-		20
Total Metals - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG812276-4 QC Sample: L1519463-01 Client ID: SB-1 0-2												
Arsenic, Total	9.5	10.9	21	105		-	-		75-125	-		20
Barium, Total	130	182	290	88		-	-		75-125	-		20
Beryllium, Total	0.24	4.55	4.6	96		-	-		75-125	-		20
Cadmium, Total	2.9	4.64	7.0	88		-	-		75-125	-		20
Chromium, Total	18.	18.2	33	82		-	-		75-125	-		20
Copper, Total	87.	22.8	94	**31**	Q	-	-		75-125	-		20
Lead, Total	650	46.4	640	**0**	Q	-	-		75-125	-		20
Manganese, Total	140	45.5	210	**154**	Q	-	-		75-125	-		20
Nickel, Total	20.	45.5	56	79		-	-		75-125	-		20
Selenium, Total	ND	10.9	11	101		-	-		75-125	-		20
Silver, Total	1.1	27.3	33	117		-	-		75-125	-		20
Zinc, Total	240	45.5	190	**0**	Q	-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG812086-3 QC Sample: L1519463-01 Client ID: SB-1 0-2						
Mercury, Total	0.04J	0.04J	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG812276-3 QC Sample: L1519463-01 Client ID: SB-1 0-2						
Arsenic, Total	9.5	10	mg/kg	5		20
Barium, Total	130	120	mg/kg	8		20
Beryllium, Total	0.24	0.19J	mg/kg	NC		20
Cadmium, Total	2.9	2.3	mg/kg	**23**	Q	20
Chromium, Total	18.	15	mg/kg	18		20
Copper, Total	87.	71	mg/kg	20		20
Lead, Total	650	600	mg/kg	8		20
Manganese, Total	140	160	mg/kg	13		20
Nickel, Total	20.	14	mg/kg	**35**	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	1.1	1.1	mg/kg	0		20
Zinc, Total	240	150	mg/kg	**46**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-01
Client ID: SB-1 0-2
Sample Location: 11-51 47TH AVENUE, LONG ISLAND
Matrix: Soil

Date Collected: 08/11/15 09:15
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	18		mg/kg	0.93	0.93	1	-	08/20/15 10:39	107,-	
Solids, Total	85.9		%	0.100	NA	1	-	08/14/15 14:01	30,2540G	AB
Cyanide, Total	1.2		mg/kg	1.1	0.25	1	08/17/15 09:09	08/17/15 19:11	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.93	0.19	1	08/18/15 15:41	08/20/15 08:59	1,7196A	JT

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-02
Client ID: SB-2 0-2
Sample Location: 11-51 47TH AVENUE, LONG ISLAND
Matrix: Soil

Date Collected: 08/11/15 08:00
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	9.3		mg/kg	0.86	0.86	1	-	08/20/15 10:55	107,-	
Solids, Total	93.5		%	0.100	NA	1	-	08/14/15 14:01	30,2540G	AB
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/17/15 09:09	08/17/15 18:57	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.86	0.17	1	08/18/15 15:41	08/20/15 08:59	1,7196A	JT

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-03
Client ID: SB-3 0-2
Sample Location: 11-51 47TH AVENUE, LONG ISLAND
Matrix: Soil

Date Collected: 08/11/15 10:00
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13		mg/kg	0.91	0.91	1	-	08/20/15 10:58	107,-	
Solids, Total	88.0		%	0.100	NA	1	-	08/14/15 14:01	30,2540G	AB
Cyanide, Total	ND		mg/kg	1.1	0.25	1	08/17/15 09:09	08/17/15 18:57	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.91	0.18	1	08/18/15 15:41	08/20/15 09:00	1,7196A	JT

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-04
Client ID: SB-4 0-2
Sample Location: 11-51 47TH AVENUE, LONG ISLAND
Matrix: Soil

Date Collected: 08/11/15 11:00
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13	J	mg/kg	0.97	0.97	1	-	08/20/15 11:51	107,-	
Solids, Total	82.4		%	0.100	NA	1	-	08/14/15 14:01	30,2540G	AB
Cyanide, Total	0.54	J	mg/kg	1.1	0.26	1	08/17/15 09:09	08/17/15 18:58	1,9010C/9012B	ML
Chromium, Hexavalent	0.58	J	mg/kg	0.97	0.19	1	08/18/15 15:41	08/20/15 09:00	1,7196A	JT

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-05
Client ID: SB-5 0-2
Sample Location: 11-51 47TH AVENUE, LONG ISLAND
Matrix: Soil

Date Collected: 08/11/15 10:45
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	0.92	0.92	1	-	08/20/15 11:55	107,-	
Solids, Total	86.9		%	0.100	NA	1	-	08/14/15 14:01	30,2540G	AB
Cyanide, Total	ND		mg/kg	1.1	0.26	1	08/17/15 09:09	08/17/15 18:59	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.92	0.18	1	08/18/15 15:41	08/20/15 09:01	1,7196A	JT

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-06
Client ID: SB-2 4-6
Sample Location: 11-51 47TH AVENUE, LONG ISLAND
Matrix: Soil

Date Collected: 08/11/15 08:30
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	10		mg/kg	0.86	0.86	1	-	08/20/15 11:59	107,-	
Solids, Total	92.4		%	0.100	NA	1	-	08/14/15 14:01	30,2540G	AB
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/17/15 09:09	08/17/15 19:00	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.86	0.17	1	08/18/15 15:41	08/20/15 09:02	1,7196A	JT

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-07
Client ID: SB-3 4-6
Sample Location: 11-51 47TH AVENUE, LONG ISLAND
Matrix: Soil

Date Collected: 08/11/15 10:15
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.87	0.87	1	-	08/20/15 12:02	107,-	
Solids, Total	91.7		%	0.100	NA	1	-	08/14/15 14:01	30,2540G	AB
Cyanide, Total	0.36	J	mg/kg	1.0	0.24	1	08/17/15 09:09	08/17/15 19:01	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.87	0.17	1	08/18/15 15:41	08/20/15 09:10	1,7196A	JT

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-08
Client ID: SB-5 4-6
Sample Location: 11-51 47TH AVENUE, LONG ISLAND
Matrix: Soil

Date Collected: 08/12/15 11:00
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	4.5		mg/kg	1.1	1.1	1	-	08/20/15 12:06	107,-	
Solids, Total	72.1		%	0.100	NA	1	-	08/14/15 14:01	30,2540G	AB
Cyanide, Total	ND		mg/kg	1.3	0.30	1	08/17/15 09:09	08/17/15 19:01	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	1.1	0.22	1	08/18/15 15:41	08/20/15 09:10	1,7196A	JT

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-09
Client ID: SB-6 0-2
Sample Location: 11-51 47TH AVENUE, LONG ISLAND
Matrix: Soil

Date Collected: 08/12/15 09:30
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	4.2		mg/kg	0.89	0.89	1	-	08/20/15 12:10	107,-	
Solids, Total	90.0		%	0.100	NA	1	-	08/14/15 14:01	30,2540G	AB
Cyanide, Total	ND		mg/kg	1.1	0.26	1	08/17/15 09:09	08/17/15 19:02	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.89	0.18	1	08/18/15 15:41	08/20/15 09:12	1,7196A	JT

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-10
Client ID: SB-2 12-13
Sample Location: 11-51 47TH AVENUE, LONG ISLAND
Matrix: Soil

Date Collected: 08/11/15 08:45
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	6.4		mg/kg	1.1	1.1	1	-	08/20/15 12:14	107,-	
Solids, Total	72.4		%	0.100	NA	1	-	08/14/15 14:01	30,2540G	AB
Cyanide, Total	ND		mg/kg	1.4	0.32	1	08/17/15 09:09	08/17/15 19:07	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	1.1	0.22	1	08/18/15 15:41	08/20/15 09:13	1,7196A	JT

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-11
Client ID: SB-1 10-11
Sample Location: 11-51 47TH AVENUE, LONG ISLAND
Matrix: Soil

Date Collected: 08/11/15 09:30
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	1.5	1.5	1	-	08/20/15 12:36	107,-	
Solids, Total	53.0		%	0.100	NA	1	-	08/14/15 14:01	30,2540G	AB
Cyanide, Total	0.48	J	mg/kg	1.8	0.41	1	08/17/15 09:09	08/17/15 19:08	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	1.5	0.30	1	08/18/15 15:41	08/20/15 09:14	1,7196A	JT

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

SAMPLE RESULTS

Lab ID: L1519463-12
Client ID: SB-5 9-10
Sample Location: 11-51 47TH AVENUE, LONG ISLAND
Matrix: Soil

Date Collected: 08/12/15 12:00
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	12		mg/kg	0.92	0.92	1	-	08/20/15 12:47	107,-	
Solids, Total	86.4		%	0.100	NA	1	-	08/14/15 14:01	30,2540G	AB
Cyanide, Total	ND		mg/kg	1.1	0.26	1	08/17/15 09:09	08/17/15 19:10	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.92	0.18	1	08/18/15 15:41	08/20/15 09:14	1,7196A	JT

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG812674-1										
Cyanide, Total	ND		mg/kg	0.99	0.23	1	08/17/15 09:09	08/17/15 18:49	1,9010C/9012B	ML
General Chemistry - Westborough Lab for sample(s): 10-12 Batch: WG812704-1										
Cyanide, Total	ND		mg/kg	0.99	0.23	1	08/17/15 09:09	08/17/15 18:50	1,9010C/9012B	ML
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG813180-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	08/18/15 15:41	08/20/15 08:51	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 07-12 Batch: WG813181-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	08/18/15 15:41	08/20/15 09:09	1,7196A	JT

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG812674-2 WG812674-3								
Cyanide, Total	**126**	Q	105		80-120	21		35
General Chemistry - Westborough Lab Associated sample(s): 10-12 Batch: WG812704-2 WG812704-3								
Cyanide, Total	**125**	Q	106		80-120	19		35
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG813180-2								
Chromium, Hexavalent	80		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 07-12 Batch: WG813181-2								
Chromium, Hexavalent	80		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG812674-4 WG812674-5 QC Sample: L1519548-01 Client ID: MS Sample												
Cyanide, Total	ND	11	10	92		10	94		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 10-12 QC Batch ID: WG812704-4 WG812704-5 QC Sample: L1519463-11 Client ID: SB-1 10-11												
Cyanide, Total	0.48J	18	17	92		14	77		65-135	19		35
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG813180-4 QC Sample: L1519463-01 Client ID: SB-1 0-2												
Chromium, Hexavalent	ND	1060	1100	100		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 07-12 QC Batch ID: WG813181-4 QC Sample: L1519463-12 Client ID: SB-5 9-10												
Chromium, Hexavalent	ND	1000	1000	100		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG812268-1 QC Sample: L1519404-25 Client ID: DUP Sample						
Solids, Total	92.0	90.0	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG813180-6 QC Sample: L1519463-01 Client ID: SB-1 0-2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 07-12 QC Batch ID: WG813181-6 QC Sample: L1519463-12 Client ID: SB-5 9-10						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1519463-01A	Vial Large Septa unpreserved (4o	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1519463-01B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-01C	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-02A	Vial Large Septa unpreserved (4o	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1519463-02B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

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Lab Number: L1519463
Report Date: 08/25/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1519463-02C	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-03A	Vial Large Septa unpreserved (4o	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1519463-03B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-03C	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-04A	Vial Large Septa unpreserved (4o	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1519463-04B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

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Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1519463-04C	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-05A	Vial Large Septa unpreserved (4o	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1519463-05B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-05C	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-06A	Vial Large Septa unpreserved (4o	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1519463-06B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

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Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1519463-06C	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-07A	Vial Large Septa unpreserved (4o	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1519463-07B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-07C	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-08A	Vial Large Septa unpreserved (4o	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1519463-08B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

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Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1519463-08C	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-09A	Vial Large Septa unpreserved (4o	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1519463-09B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-09C	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-10A	Vial Large Septa unpreserved (4o	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1519463-10B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 7139
Project Number: 7139

Lab Number: L1519463
Report Date: 08/25/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1519463-10C	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-11A	Vial Large Septa unpreserved (4o	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1519463-11B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-11C	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1519463-12A	Vial Large Septa unpreserved (4o	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1519463-12B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

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Project Number: 7139

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Report Date: 08/25/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1519463-12C	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

Container Comments

L1519463-01C

L1519463-02C

L1519463-03C

L1519463-04C

L1519463-05B

L1519463-06B

L1519463-07B

L1519463-08C

L1519463-09C

L1519463-10C

L1519463-11B

L1519463-12B

*Values in parentheses indicate holding time in days

Project Name:	7139	**Lab Number:**	L1519463
Project Number:	7139	**Report Date:**	08/25/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 7139 **Lab Number:** L1519463

Project Number: 7139 **Report Date:** 08/25/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1519463

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 2

Serial_No:08251514:59

LAB NAME: ALPHA

RECEIVED DATE: 8-13-15

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: B Hernandez
Phone #: 631-269-8800 Fax #: 631-269-1599
E-mail: Bhernandez@impactenvironmental.com

Project Information

Project Name:
Street: 11-51 47th Avenue
City: Long Island City State: NY Zip:
Project #: 7139
Sampler's Name: B Hernandez
Sampler's Signature:

Analytical Information

Impact Analytical Package A*
Impact Analytical Package B**
Impact Analytical Package C***
VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)
GP82 Analysis
VOCs 8260 (CP51 Analite List)
Pest/Herb (NY Part 375)
VOCs, SVOCs, Pest/Herb (NY Part 375)
PCBs, Metals (NY Part 375)

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW- Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	VOCs, SVOCs, Pest/Herb (NY Part 375)	PCBs, Metals (NY Part 375)	(LAB USE ONLY)
63 -01	1 SB-1 0-2	7139	S	G	8/14/15	0915	3		X				X	X	
-02	2 SB-2 0-2					0800									
-03	3 SB-3 0-2					1000									
-04	4 SB-4 0-2					1100									
-05	5 SB-5 0-2					1045									
-06	6 SB-2 4-6					0830									
-07	7 SB-3 4-6					1015									
-08	8 SB-5 4-6				8/14/15	1100									
-09	9 SB-6 0-2					0930									
-10	10 SB-2 12-13				8/14/15	0845									

Turnaround Time (Business Days)

Standard Service
- [X] Standard - 5 day
- [ ] Standard - 4 day
- [ ] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [ ] EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	8-13-15 1250	1 AAL	2	8/13/15 1830	2 8-13-15 1830
Relinquished by: 3	Date / Time: 3 8/14/15 0845	Received By: 3	Relinquished By: 4	Date / Time: 4	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION

Cooler Temp:_____ pH:_____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

L1519463

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 2 of 2

LAB NAME: ALPHA

RECEIVED DATE: 8-13-15

Serial_No:08251514:59

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: B Hernandez
Phone #: 631-269-8800
Fax #: 631-269-1599
E-mail: BHernandez@impactenvironmental.com

Project Information

Project Name:
Street: 11-51 47th Ave
City: Long Island City
State: NY
Zip:
Project #: 7139
Sampler's Name: B Hernandez
Sampler's Signature: Bryan Hernandez

Sample Information / Sample Collection / Sample Containers / Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (CP51 Analite List)	VOCs, SVOCs, Pest/Herb (NY Part 375)	PCBs, Metals (NY Part 375)				
-11	1 SB-1 10-11	7139	S	G	8/12/15	0930	3		X										X	X				
-12	2 SB-5 9-10	↓	↓	↓	8/12/15	1200	↓		X										X	X				
	3																							
	4																							
	5																							
	6																							
	7																							
	8																							
	9																							
	10																							

Matrix Codes

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type

G=Grab
C=Composite
B=Blank

(LAB USE ONLY)

Turnaround Time (Business Days)

Standard Service
- [x] Standard - 5 day
- [ ] Standard - 4 day
- [ ] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [ ] EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 Bryan Hernandez	1 8/12/15 12:50	1 [illegible]	2 [illegible]	2 8-13-15 1830	2 Tom Tobin 8-13-15 1830
Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
3 Tom Tobin	3 8/14/15 0045	3 [illegible]	4	4	4
Relinquished by:	Date / Time:	Received By:			
5	5	5			

COOLER INFORMATION

Cooler Temp:_____ pH:_____ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

ANALYTICAL REPORT

Lab Number:	L1519428
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	7139
Project Number:	7139
Report Date:	08/21/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1519428-01	MW-1	WATER	41-51 47TH AVE, LONG ISLAND CITY, NY	08/12/15 10:00	08/13/15
L1519428-02	MW-2	WATER	41-51 47TH AVE, LONG ISLAND CITY, NY	08/12/15 11:30	08/13/15
L1519428-03	MW-3	WATER	41-51 47TH AVE, LONG ISLAND CITY, NY	08/12/15 13:30	08/13/15

Project Name: 7139 **Lab Number:** L1519428
Project Number: 7139 **Report Date:** 08/21/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 7139 **Lab Number:** L1519428
Project Number: 7139 **Report Date:** 08/21/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

All samples were received without the container for Hexavalent Chromium and Total Cyanide analyses. Aliquots were taken from unpreserved containers and preserved appropriately.

Semivolatile Organics by SIM

L1519428-03: The sample has elevated detection limits due to the dilution required by the sample matrix.

Dissolved Metals

The WG812534-1 Method Blank, associated with L1519428-01 through -03, has a concentration above the reporting limit for Zinc. Since the samples were non-detect for this target analyte, no further actions were taken. The results of the original analysis are reported.

The WG812534-2 LCS recovery, associated with L1519428-01 through -03, is above the acceptance criteria for cadmium (125%); however, the associated samples are non-detect for this target analyte. The results of the original analysis are reported.

The WG812534-4 MS recovery, performed on L1519428-01, is outside the acceptance criteria for cadmium (132%). A post digestion spike was performed and was within acceptance criteria.

Chromium, Hexavalent

L1519428-01 through -03 was analyzed with the method required holding time exceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 08/21/15

ORGANICS

VOLATILES

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-01	Date Collected:	08/12/15 10:00
Client ID:	MW-1	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	08/19/15 14:37		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Acetone	ND		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1519428-01 Date Collected: 08/12/15 10:00

Client ID: MW-1 Date Received: 08/13/15

Sample Location: 41-51 47TH AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	89		70-130

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-02	Date Collected:	08/12/15 11:30
Client ID:	MW-2	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	08/19/15 15:12		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
Tetrachloroethene	9.2		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Benzene	0.22	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	3.8		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	3.5		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	8.4		ug/l	2.5	0.70	1
Acetone	ND		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1519428-02 Date Collected: 08/12/15 11:30

Client ID: MW-2 Date Received: 08/13/15

Sample Location: 41-51 47TH AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	90		70-130

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-03	Date Collected:	08/12/15 13:30
Client ID:	MW-3	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	08/19/15 15:48		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	0.79	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	1.7	J	ug/l	2.5	0.70	1
o-Xylene	0.70	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Acetone	ND		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1519428-03 Date Collected: 08/12/15 13:30

Client ID: MW-3 Date Received: 08/13/15

Sample Location: 41-51 47TH AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	90		70-130

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/15 08:46
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG813648-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/15 08:46
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG813648-3					
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylene (Total)	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene (total)	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Isopropyl Ether	ND		ug/l	2.0	0.65
tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.63
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/15 08:46
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG813648-3					
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.70
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/15 08:46
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG813648-3					
Iodomethane	ND		ug/l	5.0	5.0
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	88		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG813648-1 WG813648-2								
Methylene chloride	99		93		70-130	6		20
1,1-Dichloroethane	98		94		70-130	4		20
Chloroform	90		86		70-130	5		20
2-Chloroethylvinyl ether	84		83		70-130	1		20
Carbon tetrachloride	114		112		63-132	2		20
1,2-Dichloropropane	89		88		70-130	1		20
Dibromochloromethane	72		70		63-130	3		20
1,1,2-Trichloroethane	88		86		70-130	2		20
Tetrachloroethene	86		83		70-130	4		20
Chlorobenzene	85		82		75-130	4		20
Trichlorofluoromethane	95		93		62-150	2		20
1,2-Dichloroethane	92		88		70-130	4		20
1,1,1-Trichloroethane	82		80		67-130	2		20
Bromodichloromethane	81		79		67-130	3		20
trans-1,3-Dichloropropene	**69**	Q	**69**	Q	70-130	0		20
cis-1,3-Dichloropropene	72		71		70-130	1		20
1,1-Dichloropropene	93		89		70-130	4		20
Bromoform	70		68		54-136	3		20
1,1,2,2-Tetrachloroethane	87		84		67-130	4		20
Benzene	88		84		70-130	5		20
Toluene	88		85		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG813648-1 WG813648-2								
Ethylbenzene	90		87		70-130	3		20
Chloromethane	95		96		64-130	1		20
Bromomethane	117		110		39-139	6		20
Vinyl chloride	103		99		55-140	4		20
Chloroethane	**148**	Q	**142**	Q	55-138	4		20
1,1-Dichloroethene	88		85		61-145	3		20
trans-1,2-Dichloroethene	90		86		70-130	5		20
Trichloroethene	89		86		70-130	3		20
1,2-Dichlorobenzene	84		82		70-130	2		20
1,3-Dichlorobenzene	86		82		70-130	5		20
1,4-Dichlorobenzene	85		82		70-130	4		20
Methyl tert butyl ether	87		87		63-130	0		20
p/m-Xylene	91		87		70-130	4		20
o-Xylene	88		86		70-130	2		20
cis-1,2-Dichloroethene	89		85		70-130	5		20
Dibromomethane	86		81		70-130	6		20
1,2,3-Trichloropropane	89		87		64-130	2		20
Acrylonitrile	98		96		70-130	2		20
Diisopropyl Ether	92		90		70-130	2		20
Tert-Butyl Alcohol	89		88		70-130	1		20
Styrene	80		78		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG813648-1 WG813648-2								
Dichlorodifluoromethane	102		100		36-147	2		20
Acetone	86		82		58-148	5		20
Carbon disulfide	99		92		51-130	7		20
2-Butanone	112		108		63-138	4		20
Vinyl acetate	**57**	Q	**56**	Q	70-130	2		20
4-Methyl-2-pentanone	91		89		59-130	2		20
2-Hexanone	97		95		57-130	2		20
Acrolein	116		110		40-160	5		20
Bromochloromethane	96		94		70-130	2		20
2,2-Dichloropropane	126		125		63-133	1		20
1,2-Dibromoethane	81		80		70-130	1		20
1,3-Dichloropropane	87		85		70-130	2		20
1,1,1,2-Tetrachloroethane	76		73		64-130	4		20
Bromobenzene	85		83		70-130	2		20
n-Butylbenzene	96		89		53-136	8		20
sec-Butylbenzene	95		89		70-130	7		20
tert-Butylbenzene	90		84		70-130	7		20
o-Chlorotoluene	91		86		70-130	6		20
p-Chlorotoluene	92		89		70-130	3		20
1,2-Dibromo-3-chloropropane	81		76		41-144	6		20
Hexachlorobutadiene	91		80		63-130	13		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG813648-1 WG813648-2								
Isopropylbenzene	88		86		70-130	2		20
p-Isopropyltoluene	93		87		70-130	7		20
Naphthalene	78		78		70-130	0		20
n-Propylbenzene	96		91		69-130	5		20
1,2,3-Trichlorobenzene	73		**69**	Q	70-130	6		20
1,2,4-Trichlorobenzene	85		80		70-130	6		20
1,3,5-Trimethylbenzene	92		88		64-130	4		20
1,2,4-Trimethylbenzene	92		88		70-130	4		20
Methyl Acetate	97		96		70-130	1		20
Ethyl Acetate	89		87		70-130	2		20
Cyclohexane	91		85		70-130	7		20
Ethyl-Tert-Butyl-Ether	103		103		70-130	0		20
Tertiary-Amyl Methyl Ether	78		76		66-130	3		20
1,4-Dioxane	85		77		56-162	10		20
Freon-113	88		84		70-130	5		20
p-Diethylbenzene	88		81		70-130	8		20
p-Ethyltoluene	96		90		70-130	6		20
1,2,4,5-Tetramethylbenzene	93		86		70-130	8		20
Ethyl ether	93		88		59-134	6		20
trans-1,4-Dichloro-2-butene	80		78		70-130	3		20
Iodomethane	**40**	Q	**44**	Q	70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG813648-1 WG813648-2								
Methyl cyclohexane	91		83		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		94		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	94		93		70-130

SEMIVOLATILES

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-01	Date Collected:	08/12/15 10:00
Client ID:	MW-1	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	08/16/15 03:47
Analytical Date:	08/20/15 01:08		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.22	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	97		41-149

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-01	Date Collected:	08/12/15 10:00
Client ID:	MW-1	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	08/16/15 03:46
Analytical Date:	08/18/15 15:16		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.24		ug/l	0.20	0.04	1
Naphthalene	0.08	J	ug/l	0.20	0.04	1
Benzo(a)anthracene	0.12	J	ug/l	0.20	0.02	1
Benzo(a)pyrene	0.17	J	ug/l	0.20	0.04	1
Benzo(b)fluoranthene	0.18	J	ug/l	0.20	0.02	1
Benzo(k)fluoranthene	0.07	J	ug/l	0.20	0.04	1
Chrysene	0.12	J	ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	0.04	J	ug/l	0.20	0.04	1
Benzo(ghi)perylene	0.11	J	ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	0.11	J	ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	0.11	J	ug/l	0.20	0.04	1
Pyrene	0.24		ug/l	0.20	0.04	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	76		41-149

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-02	Date Collected:	08/12/15 11:30
Client ID:	MW-2	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	08/16/15 03:47
Analytical Date:	08/20/15 01:34		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	5.6		ug/l	2.0	0.22	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	85		41-149

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-02 D	Date Collected:	08/12/15 11:30
Client ID:	MW-2	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	08/16/15 03:46
Analytical Date:	08/18/15 15:45		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	21		ug/l	0.40	0.07	2
Fluoranthene	7.9		ug/l	0.40	0.08	2
Naphthalene	0.75		ug/l	0.40	0.09	2
Benzo(a)anthracene	1.9		ug/l	0.40	0.03	2
Benzo(a)pyrene	1.4		ug/l	0.40	0.08	2
Benzo(b)fluoranthene	1.9		ug/l	0.40	0.03	2
Benzo(k)fluoranthene	0.69		ug/l	0.40	0.08	2
Chrysene	1.6		ug/l	0.40	0.08	2
Acenaphthylene	ND		ug/l	0.40	0.07	2
Anthracene	2.0		ug/l	0.40	0.07	2
Benzo(ghi)perylene	0.93		ug/l	0.40	0.08	2
Fluorene	10		ug/l	0.40	0.07	2
Phenanthrene	16		ug/l	0.40	0.03	2
Dibenzo(a,h)anthracene	0.16	J	ug/l	0.40	0.08	2
Indeno(1,2,3-cd)pyrene	0.98		ug/l	0.40	0.08	2
Pyrene	6.3		ug/l	0.40	0.08	2
Pentachlorophenol	ND		ug/l	1.6	0.44	2
Hexachlorobenzene	ND		ug/l	1.6	0.06	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	71		41-149

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-03	Date Collected:	08/12/15 13:30
Client ID:	MW-3	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	08/16/15 03:47
Analytical Date:	08/20/15 02:01		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.22	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	85		41-149

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-03 D	Date Collected:	08/12/15 13:30
Client ID:	MW-3	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	08/16/15 03:46
Analytical Date:	08/18/15 16:15		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.40	0.07	2
Fluoranthene	0.20	J	ug/l	0.40	0.08	2
Naphthalene	0.11	J	ug/l	0.40	0.09	2
Benzo(a)anthracene	0.11	J	ug/l	0.40	0.03	2
Benzo(a)pyrene	0.16	J	ug/l	0.40	0.08	2
Benzo(b)fluoranthene	0.15	J	ug/l	0.40	0.03	2
Benzo(k)fluoranthene	ND		ug/l	0.40	0.08	2
Chrysene	0.11	J	ug/l	0.40	0.08	2
Acenaphthylene	ND		ug/l	0.40	0.07	2
Anthracene	ND		ug/l	0.40	0.07	2
Benzo(ghi)perylene	ND		ug/l	0.40	0.08	2
Fluorene	ND		ug/l	0.40	0.07	2
Phenanthrene	0.11	J	ug/l	0.40	0.03	2
Dibenzo(a,h)anthracene	ND		ug/l	0.40	0.08	2
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.40	0.08	2
Pyrene	0.21	J	ug/l	0.40	0.08	2
Pentachlorophenol	ND		ug/l	1.6	0.44	2
Hexachlorobenzene	ND		ug/l	1.6	0.06	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	64		41-149

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/17/15 09:27
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/16/15 03:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG812589-1					
Acenaphthene	ND		ug/l	2.0	0.28
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Hexachlorobenzene	ND		ug/l	2.0	0.40
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
2-Chloronaphthalene	ND		ug/l	2.0	0.46
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
Fluoranthene	ND		ug/l	2.0	0.40
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorobutadiene	ND		ug/l	2.0	0.42
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Hexachloroethane	ND		ug/l	2.0	0.30
Isophorone	ND		ug/l	5.0	0.79
Naphthalene	ND		ug/l	2.0	0.33
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/17/15 09:27
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/16/15 03:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG812589-1					
Dimethyl phthalate	ND		ug/l	5.0	0.33
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.66
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30
Chrysene	ND		ug/l	2.0	0.30
Acenaphthylene	ND		ug/l	2.0	0.37
Anthracene	ND		ug/l	2.0	0.20
Benzo(ghi)perylene	ND		ug/l	2.0	0.57
Fluorene	ND		ug/l	2.0	0.32
Phenanthrene	ND		ug/l	2.0	0.23
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.43
Pyrene	ND		ug/l	2.0	0.52
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
2-Methylnaphthalene	ND		ug/l	2.0	0.36
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/17/15 09:27
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/16/15 03:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG812589-1					
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Pentachlorophenol	ND		ug/l	10	3.2
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	93		41-149

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/17/15 12:15
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 08/16/15 03:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG812590-1					
Acenaphthene	ND		ug/l	0.20	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	ND		ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/17/15 12:15
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 08/16/15 03:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG812590-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	82		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG812589-2 WG812589-3								
Acenaphthene	66		66		37-111	0		30
1,2,4-Trichlorobenzene	54		57		39-98	5		30
Hexachlorobenzene	85		86		40-140	1		30
Bis(2-chloroethyl)ether	67		72		40-140	7		30
2-Chloronaphthalene	65		65		40-140	0		30
1,2-Dichlorobenzene	50		55		40-140	10		30
1,3-Dichlorobenzene	48		53		40-140	10		30
1,4-Dichlorobenzene	48		53		36-97	10		30
3,3'-Dichlorobenzidine	85		86		40-140	1		30
2,4-Dinitrotoluene	95		96		24-96	1		30
2,6-Dinitrotoluene	93		94		40-140	1		30
Fluoranthene	88		88		40-140	0		30
4-Chlorophenyl phenyl ether	70		72		40-140	3		30
4-Bromophenyl phenyl ether	79		79		40-140	0		30
Bis(2-chloroisopropyl)ether	75		80		40-140	6		30
Bis(2-chloroethoxy)methane	77		80		40-140	4		30
Hexachlorobutadiene	54		58		40-140	7		30
Hexachlorocyclopentadiene	48		51		40-140	6		30
Hexachloroethane	50		55		40-140	10		30
Isophorone	82		85		40-140	4		30
Naphthalene	60		62		40-140	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG812589-2 WG812589-3								
Nitrobenzene	77		82		40-140	6		30
NitrosoDiPhenylAmine(NDPA)/DPA	83		84		40-140	1		30
n-Nitrosodi-n-propylamine	83		87		29-132	5		30
Bis(2-Ethylhexyl)phthalate	100		101		40-140	1		30
Butyl benzyl phthalate	101		100		40-140	1		30
Di-n-butylphthalate	94		95		40-140	1		30
Di-n-octylphthalate	94		94		40-140	0		30
Diethyl phthalate	93		94		40-140	1		30
Dimethyl phthalate	87		89		40-140	2		30
Benzo(a)anthracene	84		86		40-140	2		30
Benzo(a)pyrene	85		89		40-140	5		30
Benzo(b)fluoranthene	82		85		40-140	4		30
Benzo(k)fluoranthene	83		86		40-140	4		30
Chrysene	81		84		40-140	4		30
Acenaphthylene	76		75		45-123	1		30
Anthracene	84		86		40-140	2		30
Benzo(ghi)perylene	81		84		40-140	4		30
Fluorene	76		76		40-140	0		30
Phenanthrene	78		80		40-140	3		30
Dibenzo(a,h)anthracene	85		87		40-140	2		30
Indeno(1,2,3-cd)Pyrene	88		90		40-140	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG812589-2 WG812589-3								
Pyrene	88		88		26-127	0		30
Biphenyl	68		69		54-104	1		30
4-Chloroaniline	80		78		40-140	3		30
2-Nitroaniline	92		92		52-143	0		30
3-Nitroaniline	63		60		25-145	5		30
4-Nitroaniline	79		82		51-143	4		30
Dibenzofuran	70		70		40-140	0		30
2-Methylnaphthalene	62		63		40-140	2		30
1,2,4,5-Tetrachlorobenzene	62		63		2-134	2		30
Acetophenone	91		96		39-129	5		30
2,4,6-Trichlorophenol	88		89		30-130	1		30
P-Chloro-M-Cresol	84		84		23-97	0		30
2-Chlorophenol	60		66		27-123	10		30
2,4-Dichlorophenol	80		82		30-130	2		30
2,4-Dimethylphenol	72		74		30-130	3		30
2-Nitrophenol	79		82		30-130	4		30
4-Nitrophenol	42		43		10-80	2		30
2,4-Dinitrophenol	67		73		20-130	9		30
4,6-Dinitro-o-cresol	86		86		20-164	0		30
Pentachlorophenol	72		75		9-103	4		30
Phenol	25		26		12-110	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG812589-2 WG812589-3								
2-Methylphenol	53		57		30-130	7		30
3-Methylphenol/4-Methylphenol	56		59		30-130	5		30
2,4,5-Trichlorophenol	85		89		30-130	5		30
Benzoic Acid	20		26		10-110	26		30
Benzyl Alcohol	56		62		15-110	10		30
Carbazole	86		87		55-144	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	36		41		21-120
Phenol-d6	24		26		10-120
Nitrobenzene-d5	81		87		23-120
2-Fluorobiphenyl	81		84		15-120
2,4,6-Tribromophenol	93		97		10-120
4-Terphenyl-d14	86		87		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG812590-2 WG812590-3								
Acenaphthene	72		76		37-111	5		40
2-Chloronaphthalene	69		73		40-140	6		40
Fluoranthene	80		83		40-140	4		40
Hexachlorobutadiene	53		59		40-140	11		40
Naphthalene	65		72		40-140	10		40
Benzo(a)anthracene	88		89		40-140	1		40
Benzo(a)pyrene	86		87		40-140	1		40
Benzo(b)fluoranthene	88		90		40-140	2		40
Benzo(k)fluoranthene	81		82		40-140	1		40
Chrysene	82		83		40-140	1		40
Acenaphthylene	76		81		40-140	6		40
Anthracene	81		79		40-140	3		40
Benzo(ghi)perylene	82		82		40-140	0		40
Fluorene	77		81		40-140	5		40
Phenanthrene	76		77		40-140	1		40
Dibenzo(a,h)anthracene	83		84		40-140	1		40
Indeno(1,2,3-cd)Pyrene	82		83		40-140	1		40
Pyrene	82		82		26-127	0		40
2-Methylnaphthalene	70		73		40-140	4		40
Pentachlorophenol	65		47		9-103	32		40
Hexachlorobenzene	73		77		40-140	5		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG812590-2 WG812590-3								
Hexachloroethane	55		62		40-140	12		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	34		36		21-120
Phenol-d6	24		27		10-120
Nitrobenzene-d5	70		77		23-120
2-Fluorobiphenyl	83		93		15-120
2,4,6-Tribromophenol	89		89		10-120
4-Terphenyl-d14	83		85		41-149

PCBS

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-01	Date Collected:	08/12/15 10:00
Client ID:	MW-1	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/18/15 21:08
Analytical Date:	08/20/15 15:34	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/20/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	55		30-150	A

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-02	Date Collected:	08/12/15 11:30
Client ID:	MW-2	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/18/15 21:08
Analytical Date:	08/20/15 14:19	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/20/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	38		30-150	B
Decachlorobiphenyl	60		30-150	B
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	44		30-150	A

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-03	Date Collected:	08/12/15 13:30
Client ID:	MW-3	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/18/15 21:08
Analytical Date:	08/20/15 14:31	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/20/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	55		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	45		30-150	A

Project Name: 7139

Project Number: 7139

Lab Number: L1519428

Report Date: 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/20/15 14:57
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 08/18/15 21:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/15
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG813260-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	54		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG813260-2 WG813260-3									
Aroclor 1016	77		67		40-140	14		50	A
Aroclor 1260	70		67		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		52		30-150	B
Decachlorobiphenyl	65		66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	59		54		30-150	A
Decachlorobiphenyl	59		59		30-150	A

PESTICIDES

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-01	Date Collected:	08/12/15 10:00
Client ID:	MW-1	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/18/15 17:29
Analytical Date:	08/20/15 16:33	Cleanup Method:	EPA 3620B
Analyst:	AL	Cleanup Date:	08/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**209**	Q	30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-01	Date Collected:	08/12/15 10:00
Client ID:	MW-1	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/18/15 09:08
Analytical Date:	08/20/15 08:56		
Analyst:	SS		

Methylation Date: 08/19/15 21:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.292	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	46		30-150	A
DCAA	43		30-150	B

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-02	Date Collected:	08/12/15 11:30
Client ID:	MW-2	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/18/15 17:29
Analytical Date:	08/20/15 00:39	Cleanup Method:	EPA 3620B
Analyst:	AL	Cleanup Date:	08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	120		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-02	Date Collected:	08/12/15 11:30
Client ID:	MW-2	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/18/15 09:08
Analytical Date:	08/20/15 09:15		
Analyst:	SS		

Methylation Date: 08/19/15 21:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.292	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	56		30-150	A
DCAA	50		30-150	B

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-03	Date Collected:	08/12/15 13:30
Client ID:	MW-3	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/18/15 17:29
Analytical Date:	08/20/15 00:52	Cleanup Method:	EPA 3620B
Analyst:	AL	Cleanup Date:	08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	132		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	118		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID:	L1519428-03	Date Collected:	08/12/15 13:30
Client ID:	MW-3	Date Received:	08/13/15
Sample Location:	41-51 47TH AVE, LONG ISLAND CITY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/18/15 09:08
Analytical Date:	08/20/15 09:35		
Analyst:	SS		

Methylation Date: 08/19/15 21:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.292	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	50		30-150	A
DCAA	44		30-150	B

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/20/15 07:55
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 08/18/15 09:08

Methylation Date: 08/19/15 21:58

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG813030-1						
2,4-D	ND		ug/l	10.0	0.315	A
2,4,5-T	ND		ug/l	2.00	0.306	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.292	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	A
DCAA	57		30-150	B

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/19/15 23:07
Analyst: AL

Extraction Method: EPA 3510C
Extraction Date: 08/18/15 17:29
Cleanup Method: EPA 3620B
Cleanup Date: 08/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG813223-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	79		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG813030-2 WG813030-3									
2,4-D	70		71		30-150	1		25	A
2,4,5-T	68		71		30-150	4		25	A
2,4,5-TP (Silvex)	77		80		30-150	4		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	67		71		30-150	A
DCAA	62		61		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG813223-2 WG813223-3									
Delta-BHC	93		112		30-150	18		20	A
Lindane	111		134		30-150	19		20	A
Alpha-BHC	123		146		30-150	17		20	A
Beta-BHC	111		120		30-150	8		20	A
Heptachlor	114		135		30-150	17		20	A
Aldrin	109		127		30-150	15		20	A
Heptachlor epoxide	109		131		30-150	18		20	A
Endrin	110		135		30-150	20		20	A
Endrin ketone	68		84		30-150	**21**	Q	20	A
Dieldrin	110		133		30-150	19		20	A
4,4'-DDE	108		131		30-150	19		20	A
4,4'-DDD	123		**153**	Q	30-150	**22**	Q	20	A
4,4'-DDT	101		125		30-150	**21**	Q	20	A
Endosulfan I	98		120		30-150	20		20	A
Endosulfan II	96		119		30-150	**21**	Q	20	A
Endosulfan sulfate	60		79		30-150	**27**	Q	20	A
Methoxychlor	94		101		30-150	7		20	A
cis-Chlordane	99		118		30-150	18		20	A
trans-Chlordane	97		121		30-150	**22**	Q	20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG813223-2 WG813223-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		107		30-150	A
Decachlorobiphenyl	59		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		99		30-150	B
Decachlorobiphenyl	70		78		30-150	B

METALS

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1519428-01 Date Collected: 08/12/15 10:00

Client ID: MW-1 Date Received: 08/13/15

Sample Location: 41-51 47TH AVE, LONG ISLAND CI Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.0132		mg/l	0.0005	0.0001	1	08/14/15 12:55	08/14/15 15:37	EPA 3005A	1,6020A	BM
Barium, Total	0.4574		mg/l	0.0005	0.0001	1	08/14/15 12:55	08/14/15 15:37	EPA 3005A	1,6020A	BM
Beryllium, Total	0.0004	J	mg/l	0.0005	0.0002	1	08/14/15 12:55	08/14/15 15:37	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0012		mg/l	0.0002	0.0001	1	08/14/15 12:55	08/14/15 15:37	EPA 3005A	1,6020A	BM
Chromium, Total	0.0183		mg/l	0.0020	0.0003	1	08/14/15 12:55	08/14/15 15:37	EPA 3005A	1,6020A	BM
Copper, Total	0.0878		mg/l	0.0010	0.0003	1	08/14/15 12:55	08/14/15 15:37	EPA 3005A	1,6020A	BM
Lead, Total	0.7180		mg/l	0.0200	0.0026	20	08/14/15 12:55	08/14/15 15:40	EPA 3005A	1,6020A	BM
Manganese, Total	3.392		mg/l	0.0200	0.0060	20	08/14/15 12:55	08/14/15 15:40	EPA 3005A	1,6020A	BM
Mercury, Total	0.00250		mg/l	0.00020	0.00006	1	08/17/15 13:32	08/17/15 18:42	EPA 7470A	1,7470A	EA
Nickel, Total	0.0133		mg/l	0.0010	0.0001	1	08/14/15 12:55	08/14/15 15:37	EPA 3005A	1,6020A	BM
Selenium, Total	0.001	J	mg/l	0.005	0.001	1	08/14/15 12:55	08/14/15 15:37	EPA 3005A	1,6020A	BM
Silver, Total	0.0010		mg/l	0.0004	0.0001	1	08/14/15 12:55	08/14/15 15:37	EPA 3005A	1,6020A	BM
Zinc, Total	0.3857		mg/l	0.0100	0.0026	1	08/14/15 12:55	08/14/15 15:37	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	0.0023		mg/l	0.0005	0.0001	1	08/15/15 15:46	08/17/15 16:33	EPA 3005A	1,6020A	BM
Barium, Dissolved	0.2320		mg/l	0.0005	0.0001	1	08/15/15 15:46	08/17/15 16:33	EPA 3005A	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	08/15/15 15:46	08/17/15 16:33	EPA 3005A	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0002	0.0001	1	08/15/15 15:46	08/17/15 16:33	EPA 3005A	1,6020A	BM
Chromium, Dissolved	0.0006	J	mg/l	0.0020	0.0003	1	08/15/15 15:46	08/17/15 16:33	EPA 3005A	1,6020A	BM
Copper, Dissolved	ND		mg/l	0.0010	0.0003	1	08/15/15 15:46	08/17/15 16:33	EPA 3005A	1,6020A	BM
Lead, Dissolved	0.0004	J	mg/l	0.0010	0.0001	1	08/15/15 15:46	08/17/15 16:33	EPA 3005A	1,6020A	BM
Manganese, Dissolved	2.744		mg/l	0.0100	0.0030	10	08/15/15 15:46	08/17/15 17:19	EPA 3005A	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/17/15 14:20	08/17/15 19:15	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.0009	J	mg/l	0.0020	0.0001	1	08/15/15 15:46	08/17/15 16:33	EPA 3005A	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.005	0.001	1	08/15/15 15:46	08/17/15 16:33	EPA 3005A	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	08/15/15 15:46	08/17/15 16:33	EPA 3005A	1,6020A	BM
Zinc, Dissolved	0.0081	JB	mg/l	0.0100	0.0026	1	08/15/15 15:46	08/17/15 16:33	EPA 3005A	1,6020A	BM

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1519428-02 Date Collected: 08/12/15 11:30

Client ID: MW-2 Date Received: 08/13/15

Sample Location: 41-51 47TH AVE, LONG ISLAND CI Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.0525		mg/l	0.0005	0.0001	1	08/14/15 12:55	08/14/15 15:43	EPA 3005A	1,6020A	BM
Barium, Total	0.8310		mg/l	0.0100	0.0013	20	08/14/15 12:55	08/14/15 15:46	EPA 3005A	1,6020A	BM
Beryllium, Total	0.0018		mg/l	0.0005	0.0002	1	08/14/15 12:55	08/14/15 15:43	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0030		mg/l	0.0002	0.0001	1	08/14/15 12:55	08/14/15 15:43	EPA 3005A	1,6020A	BM
Chromium, Total	0.0889		mg/l	0.0020	0.0003	1	08/14/15 12:55	08/14/15 15:43	EPA 3005A	1,6020A	BM
Copper, Total	0.3168		mg/l	0.0010	0.0003	1	08/14/15 12:55	08/14/15 15:43	EPA 3005A	1,6020A	BM
Lead, Total	2.515		mg/l	0.0200	0.0026	20	08/14/15 12:55	08/14/15 15:46	EPA 3005A	1,6020A	BM
Manganese, Total	2.794		mg/l	0.0200	0.0060	20	08/14/15 12:55	08/14/15 15:46	EPA 3005A	1,6020A	BM
Mercury, Total	0.00365		mg/l	0.00020	0.00006	1	08/17/15 13:32	08/17/15 18:44	EPA 7470A	1,7470A	EA
Nickel, Total	0.0549		mg/l	0.0010	0.0001	1	08/14/15 12:55	08/14/15 15:43	EPA 3005A	1,6020A	BM
Selenium, Total	0.005		mg/l	0.005	0.001	1	08/14/15 12:55	08/14/15 15:43	EPA 3005A	1,6020A	BM
Silver, Total	0.0018		mg/l	0.0004	0.0001	1	08/14/15 12:55	08/14/15 15:43	EPA 3005A	1,6020A	BM
Zinc, Total	1.232		mg/l	0.2000	0.0512	20	08/14/15 12:55	08/14/15 15:46	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	0.0064		mg/l	0.0005	0.0001	1	08/15/15 15:46	08/17/15 16:46	EPA 3005A	1,6020A	BM
Barium, Dissolved	0.1813		mg/l	0.0005	0.0001	1	08/15/15 15:46	08/17/15 16:46	EPA 3005A	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	08/15/15 15:46	08/17/15 16:46	EPA 3005A	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0002	0.0001	1	08/15/15 15:46	08/17/15 16:46	EPA 3005A	1,6020A	BM
Chromium, Dissolved	0.0005	J	mg/l	0.0020	0.0003	1	08/15/15 15:46	08/17/15 16:46	EPA 3005A	1,6020A	BM
Copper, Dissolved	0.0011		mg/l	0.0010	0.0003	1	08/15/15 15:46	08/17/15 16:46	EPA 3005A	1,6020A	BM
Lead, Dissolved	0.0045		mg/l	0.0010	0.0001	1	08/15/15 15:46	08/17/15 16:46	EPA 3005A	1,6020A	BM
Manganese, Dissolved	1.299		mg/l	0.0100	0.0030	10	08/15/15 15:46	08/17/15 17:26	EPA 3005A	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/17/15 14:20	08/17/15 19:24	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.0040		mg/l	0.0020	0.0001	1	08/15/15 15:46	08/17/15 16:46	EPA 3005A	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.005	0.001	1	08/15/15 15:46	08/17/15 16:46	EPA 3005A	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	08/15/15 15:46	08/17/15 16:46	EPA 3005A	1,6020A	BM
Zinc, Dissolved	0.0078	JB	mg/l	0.0100	0.0026	1	08/15/15 15:46	08/17/15 16:46	EPA 3005A	1,6020A	BM

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1519428-03 Date Collected: 08/12/15 13:30

Client ID: MW-3 Date Received: 08/13/15

Sample Location: 41-51 47TH AVE, LONG ISLAND CI Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.0074		mg/l	0.0005	0.0001	1	08/14/15 12:55	08/14/15 15:50	EPA 3005A	1,6020A	BM
Barium, Total	0.2579		mg/l	0.0005	0.0001	1	08/14/15 12:55	08/14/15 15:50	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	08/14/15 12:55	08/14/15 15:50	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0003		mg/l	0.0002	0.0001	1	08/14/15 12:55	08/14/15 15:50	EPA 3005A	1,6020A	BM
Chromium, Total	0.0059		mg/l	0.0020	0.0003	1	08/14/15 12:55	08/14/15 15:50	EPA 3005A	1,6020A	BM
Copper, Total	0.0260		mg/l	0.0010	0.0003	1	08/14/15 12:55	08/14/15 15:50	EPA 3005A	1,6020A	BM
Lead, Total	0.1050		mg/l	0.0010	0.0001	1	08/14/15 12:55	08/14/15 15:50	EPA 3005A	1,6020A	BM
Manganese, Total	1.415		mg/l	0.0200	0.0060	20	08/14/15 12:55	08/14/15 15:53	EPA 3005A	1,6020A	BM
Mercury, Total	0.00236		mg/l	0.00020	0.00006	1	08/17/15 13:32	08/17/15 18:46	EPA 7470A	1,7470A	EA
Nickel, Total	0.0043		mg/l	0.0010	0.0001	1	08/14/15 12:55	08/14/15 15:50	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.005	0.001	1	08/14/15 12:55	08/14/15 15:50	EPA 3005A	1,6020A	BM
Silver, Total	0.0001	J	mg/l	0.0004	0.0001	1	08/14/15 12:55	08/14/15 15:50	EPA 3005A	1,6020A	BM
Zinc, Total	0.1133		mg/l	0.0100	0.0026	1	08/14/15 12:55	08/14/15 15:50	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	0.0028		mg/l	0.0005	0.0001	1	08/15/15 15:46	08/17/15 16:49	EPA 3005A	1,6020A	BM
Barium, Dissolved	0.1741		mg/l	0.0005	0.0001	1	08/15/15 15:46	08/17/15 16:49	EPA 3005A	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	08/15/15 15:46	08/17/15 16:49	EPA 3005A	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0002	0.0001	1	08/15/15 15:46	08/17/15 16:49	EPA 3005A	1,6020A	BM
Chromium, Dissolved	0.0003	J	mg/l	0.0020	0.0003	1	08/15/15 15:46	08/17/15 16:49	EPA 3005A	1,6020A	BM
Copper, Dissolved	0.0005	J	mg/l	0.0010	0.0003	1	08/15/15 15:46	08/17/15 16:49	EPA 3005A	1,6020A	BM
Lead, Dissolved	0.0007	J	mg/l	0.0010	0.0001	1	08/15/15 15:46	08/17/15 16:49	EPA 3005A	1,6020A	BM
Manganese, Dissolved	1.379		mg/l	0.0100	0.0030	10	08/15/15 15:46	08/17/15 17:29	EPA 3005A	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/17/15 14:20	08/17/15 19:26	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.0010	J	mg/l	0.0020	0.0001	1	08/15/15 15:46	08/17/15 16:49	EPA 3005A	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.005	0.001	1	08/15/15 15:46	08/17/15 16:49	EPA 3005A	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	08/15/15 15:46	08/17/15 16:49	EPA 3005A	1,6020A	BM
Zinc, Dissolved	0.0062	JB	mg/l	0.0100	0.0026	1	08/15/15 15:46	08/17/15 16:49	EPA 3005A	1,6020A	BM

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG812112-1										
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	08/14/15 12:55	08/14/15 14:29	1,6020A	BM
Barium, Total	0.0001	J	mg/l	0.0005	0.0001	1	08/14/15 12:55	08/14/15 14:29	1,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	08/14/15 12:55	08/14/15 14:29	1,6020A	BM
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	08/14/15 12:55	08/14/15 14:29	1,6020A	BM
Chromium, Total	0.0007	J	mg/l	0.0020	0.0003	1	08/14/15 12:55	08/14/15 14:29	1,6020A	BM
Copper, Total	ND		mg/l	0.0010	0.0003	1	08/14/15 12:55	08/14/15 14:29	1,6020A	BM
Lead, Total	ND		mg/l	0.0010	0.0001	1	08/14/15 12:55	08/14/15 14:29	1,6020A	BM
Manganese, Total	ND		mg/l	0.0010	0.0003	1	08/14/15 12:55	08/14/15 14:29	1,6020A	BM
Nickel, Total	0.0004	J	mg/l	0.0010	0.0001	1	08/14/15 12:55	08/14/15 14:29	1,6020A	BM
Selenium, Total	ND		mg/l	0.005	0.001	1	08/14/15 12:55	08/14/15 14:29	1,6020A	BM
Silver, Total	ND		mg/l	0.0004	0.0001	1	08/14/15 12:55	08/14/15 14:29	1,6020A	BM
Zinc, Total	ND		mg/l	0.0100	0.0026	1	08/14/15 12:55	08/14/15 14:29	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-03 Batch: WG812534-1										
Arsenic, Dissolved	ND		mg/l	0.0005	0.0001	1	08/15/15 15:46	08/17/15 16:20	1,6020A	BM
Barium, Dissolved	0.0002	J	mg/l	0.0005	0.0001	1	08/15/15 15:46	08/17/15 16:20	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	08/15/15 15:46	08/17/15 16:20	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0002	0.0001	1	08/15/15 15:46	08/17/15 16:20	1,6020A	BM
Chromium, Dissolved	ND		mg/l	0.0020	0.0003	1	08/15/15 15:46	08/17/15 16:20	1,6020A	BM
Copper, Dissolved	ND		mg/l	0.0010	0.0003	1	08/15/15 15:46	08/17/15 16:20	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.0010	0.0001	1	08/15/15 15:46	08/17/15 16:20	1,6020A	BM
Manganese, Dissolved	0.0008	J	mg/l	0.0010	0.0003	1	08/15/15 15:46	08/17/15 16:20	1,6020A	BM
Nickel, Dissolved	0.0001	J	mg/l	0.0020	0.0001	1	08/15/15 15:46	08/17/15 16:20	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.005	0.001	1	08/15/15 15:46	08/17/15 16:20	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	08/15/15 15:46	08/17/15 16:20	1,6020A	BM
Zinc, Dissolved	0.0139		mg/l	0.0100	0.0026	1	08/15/15 15:46	08/17/15 16:20	1,6020A	BM

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG812785-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/17/15 13:32	08/17/15 18:20	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-03 Batch: WG812822-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/17/15 14:20	08/17/15 19:09	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG812112-2								
Arsenic, Total	99		-		80-120	-		
Barium, Total	104		-		80-120	-		
Beryllium, Total	104		-		80-120	-		
Cadmium, Total	114		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Copper, Total	104		-		80-120	-		
Lead, Total	100		-		80-120	-		
Manganese, Total	99		-		80-120	-		
Nickel, Total	104		-		80-120	-		
Selenium, Total	95		-		80-120	-		
Silver, Total	104		-		80-120	-		
Zinc, Total	106		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery		LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG812534-2						
Arsenic, Dissolved	106		-	80-120	-	
Barium, Dissolved	104		-	80-120	-	
Beryllium, Dissolved	96		-	80-120	-	
Cadmium, Dissolved	**125**	Q	-	80-120	-	
Chromium, Dissolved	99		-	80-120	-	
Copper, Dissolved	110		-	80-120	-	
Lead, Dissolved	104		-	80-120	-	
Manganese, Dissolved	102		-	80-120	-	
Nickel, Dissolved	108		-	80-120	-	
Selenium, Dissolved	108		-	80-120	-	
Silver, Dissolved	104		-	80-120	-	
Zinc, Dissolved	108		-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG812785-2						
Mercury, Total	110		-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG812822-2						
Mercury, Dissolved	108		-	70-130	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG812112-3 WG812112-4 QC Sample: L1519521-02 Client ID: MS Sample												
Arsenic, Total	0.0197	0.12	0.1513	110		0.1593	116		75-125	5		20
Barium, Total	0.2901	2	2.433	107		2.304	101		75-125	5		20
Beryllium, Total	ND	0.05	0.0562	112		0.0489	98		75-125	14		20
Cadmium, Total	ND	0.051	0.0684	**134**	Q	0.0628	123		75-125	8		20
Chromium, Total	0.0008J	0.2	0.2129	106		0.2040	102		75-125	4		20
Copper, Total	0.0005J	0.25	0.2948	118		0.2610	104		75-125	12		20
Lead, Total	0.0002J	0.51	0.5338	105		0.5332	104		75-125	0		20
Manganese, Total	0.0343	0.5	0.5662	106		0.5369	100		75-125	5		20
Nickel, Total	0.0003J	0.5	0.5516	110		0.5449	109		75-125	1		20
Selenium, Total	ND	0.12	0.179	**149**	Q	0.160	**133**	Q	75-125	11		20
Silver, Total	ND	0.05	0.0560	112		0.0487	97		75-125	14		20
Zinc, Total	0.0047J	0.5	0.5613	112		0.5207	104		75-125	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG812534-4 QC Sample: L1519428-01 Client ID: MW-1										
Arsenic, Dissolved	0.0023	0.12	0.1388	114		-	-	75-125	-	20
Barium, Dissolved	0.2320	2	2.344	106		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.0521	104		-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.0671	**132**	Q	-	-	75-125	-	20
Chromium, Dissolved	0.0006J	0.2	0.2102	105		-	-	75-125	-	20
Copper, Dissolved	ND	0.25	0.2947	118		-	-	75-125	-	20
Lead, Dissolved	0.0004J	0.51	0.5384	106		-	-	75-125	-	20
Manganese, Dissolved	2.744	0.5	3.342	120		-	-	75-125	-	20
Nickel, Dissolved	0.0009J	0.5	0.5526	110		-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.131	109		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.0536	107		-	-	75-125	-	20
Zinc, Dissolved	0.0081JB	0.5	0.5538	111		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG812785-3 WG812785-4 QC Sample: L1519353-01 Client ID: MS Sample										
Mercury, Total	ND	0.005	0.00531	106		0.00532	106	80-120	0	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG812822-4 QC Sample: L1519428-01 Client ID: MW-1										
Mercury, Dissolved	ND	0.005	0.00524	105		-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG812534-3 QC Sample: L1519428-01 Client ID: MW-1						
Arsenic, Dissolved	0.0023	0.0025	mg/l	9		20
Barium, Dissolved	0.2320	0.2442	mg/l	5		20
Beryllium, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Chromium, Dissolved	0.0006J	ND	mg/l	NC		20
Copper, Dissolved	ND	ND	mg/l	NC		20
Lead, Dissolved	0.0004J	0.0004J	mg/l	NC		20
Nickel, Dissolved	0.0009J	0.0010J	mg/l	NC		20
Selenium, Dissolved	ND	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Zinc, Dissolved	0.0081JB	0.0061J	mg/l	NC		20
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG812534-3 QC Sample: L1519428-01 Client ID: MW-1						
Manganese, Dissolved	2.744	2.924	mg/l	6		20
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG812822-3 QC Sample: L1519428-01 Client ID: MW-1						
Mercury, Dissolved	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

SAMPLE RESULTS

Lab ID: L1519428-01
Client ID: MW-1
Sample Location: 41-51 47TH AVE, LONG ISLAND CI
Matrix: Water

Date Collected: 08/12/15 10:00
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	0.018		mg/l	0.010	0.010	1	-	08/14/15 15:37	107,-	
Cyanide, Total	0.025		mg/l	0.005	0.001	1	08/18/15 08:30	08/19/15 10:08	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/14/15 07:05	08/14/15 07:20	1,7196A	TA

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

SAMPLE RESULTS

Lab ID: L1519428-02
Client ID: MW-2
Sample Location: 41-51 47TH AVE, LONG ISLAND CI
Matrix: Water

Date Collected: 08/12/15 11:30
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	0.089		mg/l	0.010	0.010	1	-	08/14/15 15:43	107,-	
Cyanide, Total	0.004	J	mg/l	0.005	0.001	1	08/18/15 08:30	08/19/15 10:10	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/14/15 07:05	08/14/15 07:22	1,7196A	TA

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

SAMPLE RESULTS

Lab ID: L1519428-03
Client ID: MW-3
Sample Location: 41-51 47TH AVE, LONG ISLAND CI
Matrix: Water

Date Collected: 08/12/15 13:30
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	08/14/15 15:50	107,-	
Cyanide, Total	0.009		mg/l	0.005	0.001	1	08/18/15 08:30	08/19/15 10:11	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/14/15 07:05	08/14/15 07:24	1,7196A	TA

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG812093-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/14/15 07:05	08/14/15 07:19	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG812983-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/18/15 08:30	08/19/15 10:03	1,9010C/9012B	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG812093-2								
Chromium, Hexavalent	94		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG812983-2 WG812983-3								
Cyanide, Total	97		96		80-120	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG812093-4 QC Sample: L1519428-02 Client ID: MW-2												
Chromium, Hexavalent	ND	0.1	0.100	100		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG812983-4 WG812983-5 QC Sample: L1519520-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.185	92		0.187	94		80-120	1		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG812093-3 QC Sample: L1519428-01 Client ID: MW-1						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information	Custody Seal
Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1519428-01A	Vial HCl preserved	A	7	2.7	Y	Absent	NYTCL-8260(14)
L1519428-01B	Vial HCl preserved	A	7	2.7	Y	Absent	NYTCL-8260(14)
L1519428-01C	Vial HCl preserved	A	7	2.7	Y	Absent	NYTCL-8260(14)
L1519428-01D	Plastic 250ml NaOH preserved spl	A	>12	2.7	Y	Absent	TCN-9010(14)
L1519428-01E	Plastic 500ml unpreserved	A	7	2.7	Y	Absent	-
L1519428-01F	Plastic 500ml HNO3 preserved	A	<2	2.7	Y	Absent	BA-6020T(180),SE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L1519428-01G	Plastic 250ml unpreserved split	A	7	2.7	Y	Absent	HEXCR-7196(1)
L1519428-01H	Amber 1000ml unpreserved	B	7	3.2	Y	Absent	NYTCL-8081(7)
L1519428-01J	Amber 1000ml unpreserved	B	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1519428-01K	Amber 1000ml unpreserved	B	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1519428-01L	Amber 1000ml unpreserved	B	7	3.2	Y	Absent	HERB-APA(7)
L1519428-01N	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8082-1200ML(7)
L1519428-01O	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8082-1200ML(7)
L1519428-01X	Plastic 120ml HNO3 preserved spl	A	<2	2.7	Y	Absent	CU-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),ZN-6020S(180),CR-6020S(180),BA-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28)
L1519428-02A	Vial HCl preserved	A	7	2.7	Y	Absent	NYTCL-8260(14)
L1519428-02B	Vial HCl preserved	A	7	2.7	Y	Absent	NYTCL-8260(14)
L1519428-02C	Vial HCl preserved	A	7	2.7	Y	Absent	NYTCL-8260(14)
L1519428-02D	Plastic 250ml NaOH preserved spl	A	>12	2.7	Y	Absent	TCN-9010(14)

*Values in parentheses indicate holding time in days

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1519428-02E	Plastic 500ml unpreserved	A	7	2.7	Y	Absent	-
L1519428-02F	Plastic 500ml HNO3 preserved	A	<2	2.7	Y	Absent	BA-6020T(180),SE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L1519428-02G	Plastic 250ml unpreserved split	A	7	2.7	Y	Absent	HEXCR-7196(1)
L1519428-02H	Amber 1000ml unpreserved	B	7	3.2	Y	Absent	NYTCL-8081(7)
L1519428-02J	Amber 1000ml unpreserved	B	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1519428-02K	Amber 1000ml unpreserved	B	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1519428-02L	Amber 1000ml unpreserved	B	7	3.2	Y	Absent	HERB-APA(7)
L1519428-02N	Amber 1000ml unpreserved	B	7	3.2	Y	Absent	NYTCL-8082-1200ML(7)
L1519428-02O	Amber 1000ml unpreserved	B	7	3.2	Y	Absent	NYTCL-8082-1200ML(7)
L1519428-02X	Plastic 120ml HNO3 preserved spl	A	<2	2.7	Y	Absent	CU-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),ZN-6020S(180),CR-6020S(180),BA-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28)
L1519428-03A	Vial HCl preserved	A	7	2.7	Y	Absent	NYTCL-8260(14)
L1519428-03B	Vial HCl preserved	A	7	2.7	Y	Absent	NYTCL-8260(14)
L1519428-03C	Vial HCl preserved	A	7	2.7	Y	Absent	NYTCL-8260(14)
L1519428-03D	Plastic 250ml NaOH preserved spl	A	>12	2.7	Y	Absent	TCN-9010(14)
L1519428-03E	Plastic 500ml unpreserved	A	7	2.7	Y	Absent	-
L1519428-03F	Plastic 500ml HNO3 preserved	A	<2	2.7	Y	Absent	BA-6020T(180),SE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L1519428-03G	Plastic 250ml unpreserved split	A	7	2.7	Y	Absent	HEXCR-7196(1)
L1519428-03H	Amber 1000ml unpreserved	B	7	3.2	Y	Absent	NYTCL-8081(7)
L1519428-03J	Amber 1000ml unpreserved	B	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1519428-03K	Amber 1000ml unpreserved	B	7	3.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1519428-03L	Amber 1000ml unpreserved	B	7	3.2	Y	Absent	HERB-APA(7)
L1519428-03N	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8082-1200ML(7)
L1519428-03O	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name: 7139
Project Number: 7139

Lab Number: L1519428
Report Date: 08/21/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1519428-03X	Plastic 120ml HNO3 preserved spl	A	<2	2.7	Y	Absent	CU-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),ZN-6020S(180),CR-6020S(180),BA-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name:	7139	**Lab Number:**	L1519428
Project Number:	7139	**Report Date:**	08/21/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 7139 **Lab Number:** L1519428

Project Number: 7139 **Report Date:** 08/21/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1519428

CHAIN OF CUSTODY

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(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1

LAB NAME: ALPHA

RECEIVED DATE: 8-13-15

Serial_No:08211512:40

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: B Hernandez
Phone #: 631-269-8800 Fax #: 631-269-1599
E-mail: Bhernandez@impactenwonmental.com

Project Information

Project Name:
Street: 41-51 47th Ave
City: LONG ISLAND CITY State: NY Zip:
Project #: 7139
Sampler's Name: B Hernandez
Sampler's Signature:

Matrix Codes

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type

G=Grab
C=Composite
B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (CP51 Analite List)	VOCs, SVOCs, Pest/Herb (NY 375's)	PCBs, NY Part 375	Total Metals	Metals - Dissolved (Fe, Mn) NY P375's		(LAB USE ONLY)
	1 MW-1	7139	L	G	8/12/15	1000	14	NONE	X	X									X	X	X	X		
	2 MW-2	↓	↓	↓	↓	1130	↓	↓	↓	↓									X	X	X	X		
	3 MW-3	↓	↓	↓	↓	1330	↓	↓	↓	↓									X	X	X	X		
	4																							
	5																							
	6																							
	7																							
	8																							
	9																							
	10																							

Turnaround Time (Business Days)

Standard Service

- [x] Standard - 5 day
- [ ] Standard - 4 day
- [ ] Standard - 3 day

Rush Service

- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [ ] EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	1 8-13-15 12:10	1	2	2 8-13-15 1820	2 8-13-15 1820
Relinquished by: 3	Date / Time: 3 8/14/15 0045	Received By: 3	Relinquished By: 4	Date / Time: 4	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION

Cooler Temp:_____ pH:_____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

ANALYTICAL REPORT

Lab Number:	L1519577
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	Not Specified
Project Number:	7139
Report Date:	08/20/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1519577-01	SV-1	SOIL_VAPOR	11-51 47TH AVE., LONG ISLAND CITY, NY	08/12/15 11:30	08/13/15
L1519577-02	SV-2	SOIL_VAPOR	11-51 47TH AVE., LONG ISLAND CITY, NY	08/12/15 11:15	08/13/15
L1519577-03	SV-3	SOIL_VAPOR	11-51 47TH AVE., LONG ISLAND CITY, NY	08/12/15 12:35	08/13/15
L1519577-04	SV-4	SOIL_VAPOR	11-51 47TH AVE., LONG ISLAND CITY, NY	08/12/15 12:00	08/13/15
L1519577-05	SV-5	SOIL_VAPOR	11-51 47TH AVE., LONG ISLAND CITY, NY	08/12/15 11:40	08/13/15

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on August 11, 2015. The canister certification results are provided as an addendum.

Samples L1519577-01 through -05: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen due to canister size. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

Samples L1519577-02 and -04: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

Sample L1519577-03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Samples L1519577-03 and -05 The presence of 2,2,4-Trimethylpentane could not be determined in these samples due to a non-target compound interfering with the identification and quantification of this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative

Date: 08/20/15

AIR

Project Name:

Project Number: 7139

Lab Number: L1519577

Report Date: 08/20/15

SAMPLE RESULTS

Lab ID:	L1519577-01 D	Date Collected:	08/12/15 11:30
Client ID:	SV-1	Date Received:	08/13/15
Sample Location:	11-51 47TH AVE., LONG ISLAND C	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	08/18/15 19:54		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	3.28	0.564	--	16.2	2.79	--		2.819
Chloromethane	ND	0.564	--	ND	1.16	--		2.819
Freon-114	ND	0.564	--	ND	3.94	--		2.819
Vinyl chloride	ND	0.564	--	ND	1.44	--		2.819
1,3-Butadiene	ND	0.564	--	ND	1.25	--		2.819
Bromomethane	ND	0.564	--	ND	2.19	--		2.819
Chloroethane	ND	0.564	--	ND	1.49	--		2.819
Ethanol	ND	7.05	--	ND	13.3	--		2.819
Vinyl bromide	ND	0.564	--	ND	2.47	--		2.819
Acetone	13.6	2.82	--	32.3	6.70	--		2.819
Trichlorofluoromethane	36.8	0.564	--	207	3.17	--		2.819
Isopropanol	4.67	1.41	--	11.5	3.47	--		2.819
1,1-Dichloroethene	ND	0.564	--	ND	2.24	--		2.819
Tertiary butyl Alcohol	12.5	1.41	--	37.9	4.27	--		2.819
Methylene chloride	1.65	1.41	--	5.73	4.90	--		2.819
3-Chloropropene	ND	0.564	--	ND	1.77	--		2.819
Carbon disulfide	1.36	0.564	--	4.24	1.76	--		2.819
Freon-113	ND	0.564	--	ND	4.32	--		2.819
trans-1,2-Dichloroethene	ND	0.564	--	ND	2.24	--		2.819
1,1-Dichloroethane	ND	0.564	--	ND	2.28	--		2.819
Methyl tert butyl ether	ND	0.564	--	ND	2.03	--		2.819
2-Butanone	ND	1.41	--	ND	4.16	--		2.819
cis-1,2-Dichloroethene	ND	0.564	--	ND	2.24	--		2.819
Ethyl Acetate	ND	1.41	--	ND	5.08	--		2.819

Project Name:

Project Number: 7139

Lab Number: L1519577

Report Date: 08/20/15

SAMPLE RESULTS

Lab ID: L1519577-01 D

Client ID: SV-1

Sample Location: 11-51 47TH AVE., LONG ISLAND C

Date Collected: 08/12/15 11:30

Date Received: 08/13/15

Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	1.48	0.564	--	7.23	2.75	--		2.819
Tetrahydrofuran	1.74	1.41	--	5.13	4.16	--		2.819
1,2-Dichloroethane	ND	0.564	--	ND	2.28	--		2.819
n-Hexane	0.676	0.564	--	2.38	1.99	--		2.819
1,1,1-Trichloroethane	1.36	0.564	--	7.42	3.08	--		2.819
Benzene	ND	0.564	--	ND	1.80	--		2.819
Carbon tetrachloride	ND	0.564	--	ND	3.55	--		2.819
Cyclohexane	0.679	0.564	--	2.34	1.94	--		2.819
1,2-Dichloropropane	ND	0.564	--	ND	2.61	--		2.819
Bromodichloromethane	ND	0.564	--	ND	3.78	--		2.819
1,4-Dioxane	ND	0.564	--	ND	2.03	--		2.819
Trichloroethene	ND	0.564	--	ND	3.03	--		2.819
2,2,4-Trimethylpentane	1.34	0.564	--	6.26	2.63	--		2.819
Heptane	0.614	0.564	--	2.52	2.31	--		2.819
cis-1,3-Dichloropropene	ND	0.564	--	ND	2.56	--		2.819
4-Methyl-2-pentanone	ND	1.41	--	ND	5.78	--		2.819
trans-1,3-Dichloropropene	ND	0.564	--	ND	2.56	--		2.819
1,1,2-Trichloroethane	ND	0.564	--	ND	3.08	--		2.819
Toluene	5.07	0.564	--	19.1	2.13	--		2.819
2-Hexanone	ND	0.564	--	ND	2.31	--		2.819
Dibromochloromethane	ND	0.564	--	ND	4.80	--		2.819
1,2-Dibromoethane	ND	0.564	--	ND	4.33	--		2.819
Tetrachloroethene	3.54	0.564	--	24.0	3.82	--		2.819
Chlorobenzene	ND	0.564	--	ND	2.60	--		2.819
Ethylbenzene	0.727	0.564	--	3.16	2.45	--		2.819
p/m-Xylene	3.13	1.13	--	13.6	4.91	--		2.819
Bromoform	ND	0.564	--	ND	5.83	--		2.819
Styrene	ND	0.564	--	ND	2.40	--		2.819

Project Name:

Project Number: 7139

Lab Number: L1519577

Report Date: 08/20/15

SAMPLE RESULTS

Lab ID: L1519577-01 D

Client ID: SV-1

Sample Location: 11-51 47TH AVE., LONG ISLAND C

Date Collected: 08/12/15 11:30

Date Received: 08/13/15

Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.564	--	ND	3.87	--		2.819
o-Xylene	1.16	0.564	--	5.04	2.45	--		2.819
4-Ethyltoluene	ND	0.564	--	ND	2.77	--		2.819
1,3,5-Trimethylbenzene	ND	0.564	--	ND	2.77	--		2.819
1,2,4-Trimethylbenzene	0.648	0.564	--	3.19	2.77	--		2.819
Benzyl chloride	ND	0.564	--	ND	2.92	--		2.819
1,3-Dichlorobenzene	ND	0.564	--	ND	3.39	--		2.819
1,4-Dichlorobenzene	ND	0.564	--	ND	3.39	--		2.819
1,2-Dichlorobenzene	ND	0.564	--	ND	3.39	--		2.819
1,2,4-Trichlorobenzene	ND	0.564	--	ND	4.19	--		2.819
Hexachlorobutadiene	ND	0.564	--	ND	6.02	--		2.819

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	96		60-140

Project Name:

Project Number: 7139

Lab Number: L1519577

Report Date: 08/20/15

SAMPLE RESULTS

Lab ID:	L1519577-02 D	Date Collected:	08/12/15 11:15
Client ID:	SV-2	Date Received:	08/13/15
Sample Location:	11-51 47TH AVE., LONG ISLAND C	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	08/18/15 20:58		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	15.7	2.86	--	77.6	14.1	--		14.28
Chloromethane	ND	2.86	--	ND	5.91	--		14.28
Freon-114	ND	2.86	--	ND	20.0	--		14.28
Vinyl chloride	ND	2.86	--	ND	7.31	--		14.28
1,3-Butadiene	ND	2.86	--	ND	6.33	--		14.28
Bromomethane	ND	2.86	--	ND	11.1	--		14.28
Chloroethane	ND	2.86	--	ND	7.55	--		14.28
Ethanol	ND	35.7	--	ND	67.3	--		14.28
Vinyl bromide	ND	2.86	--	ND	12.5	--		14.28
Acetone	ND	14.3	--	ND	34.0	--		14.28
Trichlorofluoromethane	104	2.86	--	584	16.1	--		14.28
Isopropanol	ND	7.14	--	ND	17.6	--		14.28
1,1-Dichloroethene	ND	2.86	--	ND	11.3	--		14.28
Tertiary butyl Alcohol	10.4	7.14	--	31.5	21.6	--		14.28
Methylene chloride	ND	7.14	--	ND	24.8	--		14.28
3-Chloropropene	ND	2.86	--	ND	8.95	--		14.28
Carbon disulfide	ND	2.86	--	ND	8.91	--		14.28
Freon-113	ND	2.86	--	ND	21.9	--		14.28
trans-1,2-Dichloroethene	ND	2.86	--	ND	11.3	--		14.28
1,1-Dichloroethane	ND	2.86	--	ND	11.6	--		14.28
Methyl tert butyl ether	ND	2.86	--	ND	10.3	--		14.28
2-Butanone	ND	7.14	--	ND	21.1	--		14.28
cis-1,2-Dichloroethene	ND	2.86	--	ND	11.3	--		14.28
Ethyl Acetate	ND	7.14	--	ND	25.7	--		14.28

Project Name:

Project Number: 7139

Lab Number: L1519577

Report Date: 08/20/15

SAMPLE RESULTS

Lab ID: L1519577-02 D

Client ID: SV-2

Sample Location: 11-51 47TH AVE., LONG ISLAND C

Date Collected: 08/12/15 11:15

Date Received: 08/13/15

Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	2.86	--	ND	14.0	--		14.28
Tetrahydrofuran	ND	7.14	--	ND	21.1	--		14.28
1,2-Dichloroethane	ND	2.86	--	ND	11.6	--		14.28
n-Hexane	ND	2.86	--	ND	10.1	--		14.28
1,1,1-Trichloroethane	ND	2.86	--	ND	15.6	--		14.28
Benzene	ND	2.86	--	ND	9.14	--		14.28
Carbon tetrachloride	ND	2.86	--	ND	18.0	--		14.28
Cyclohexane	ND	2.86	--	ND	9.84	--		14.28
1,2-Dichloropropane	ND	2.86	--	ND	13.2	--		14.28
Bromodichloromethane	ND	2.86	--	ND	19.2	--		14.28
1,4-Dioxane	ND	2.86	--	ND	10.3	--		14.28
Trichloroethene	11.8	2.86	--	63.4	15.4	--		14.28
2,2,4-Trimethylpentane	ND	2.86	--	ND	13.4	--		14.28
Heptane	ND	2.86	--	ND	11.7	--		14.28
cis-1,3-Dichloropropene	ND	2.86	--	ND	13.0	--		14.28
4-Methyl-2-pentanone	ND	7.14	--	ND	29.3	--		14.28
trans-1,3-Dichloropropene	ND	2.86	--	ND	13.0	--		14.28
1,1,2-Trichloroethane	ND	2.86	--	ND	15.6	--		14.28
Toluene	ND	2.86	--	ND	10.8	--		14.28
2-Hexanone	ND	2.86	--	ND	11.7	--		14.28
Dibromochloromethane	ND	2.86	--	ND	24.4	--		14.28
1,2-Dibromoethane	ND	2.86	--	ND	22.0	--		14.28
Tetrachloroethene	1080	2.86	--	7320	19.4	--		14.28
Chlorobenzene	ND	2.86	--	ND	13.2	--		14.28
Ethylbenzene	ND	2.86	--	ND	12.4	--		14.28
p/m-Xylene	ND	5.71	--	ND	24.8	--		14.28
Bromoform	ND	2.86	--	ND	29.6	--		14.28
Styrene	ND	2.86	--	ND	12.2	--		14.28

Project Name:

Project Number: 7139

Lab Number: L1519577

Report Date: 08/20/15

SAMPLE RESULTS

Lab ID: L1519577-02 D

Client ID: SV-2

Sample Location: 11-51 47TH AVE., LONG ISLAND C

Date Collected: 08/12/15 11:15

Date Received: 08/13/15

Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	2.86	--	ND	19.6	--		14.28
o-Xylene	ND	2.86	--	ND	12.4	--		14.28
4-Ethyltoluene	ND	2.86	--	ND	14.1	--		14.28
1,3,5-Trimethylbenzene	ND	2.86	--	ND	14.1	--		14.28
1,2,4-Trimethylbenzene	ND	2.86	--	ND	14.1	--		14.28
Benzyl chloride	ND	2.86	--	ND	14.8	--		14.28
1,3-Dichlorobenzene	ND	2.86	--	ND	17.2	--		14.28
1,4-Dichlorobenzene	ND	2.86	--	ND	17.2	--		14.28
1,2-Dichlorobenzene	ND	2.86	--	ND	17.2	--		14.28
1,2,4-Trichlorobenzene	ND	2.86	--	ND	21.2	--		14.28
Hexachlorobutadiene	ND	2.86	--	ND	30.5	--		14.28

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	94		60-140

Project Name:

Project Number: 7139

Lab Number: L1519577

Report Date: 08/20/15

SAMPLE RESULTS

Lab ID:	L1519577-03 D	Date Collected:	08/12/15 12:35
Client ID:	SV-3	Date Received:	08/13/15
Sample Location:	11-51 47TH AVE., LONG ISLAND C	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	08/18/15 21:30		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	2.83	1.49	--	14.0	7.37	--		7.45
Chloromethane	2.66	1.49	--	5.49	3.08	--		7.45
Freon-114	ND	1.49	--	ND	10.4	--		7.45
Vinyl chloride	ND	1.49	--	ND	3.81	--		7.45
1,3-Butadiene	51.0	1.49	--	113	3.30	--		7.45
Bromomethane	ND	1.49	--	ND	5.79	--		7.45
Chloroethane	ND	1.49	--	ND	3.93	--		7.45
Ethanol	100	18.6	--	188	35.0	--		7.45
Vinyl bromide	ND	1.49	--	ND	6.51	--		7.45
Acetone	334	7.45	--	793	17.7	--		7.45
Trichlorofluoromethane	3.61	1.49	--	20.3	8.37	--		7.45
Isopropanol	12.7	3.72	--	31.2	9.14	--		7.45
1,1-Dichloroethene	ND	1.49	--	ND	5.91	--		7.45
Tertiary butyl Alcohol	67.5	3.72	--	205	11.3	--		7.45
Methylene chloride	ND	3.72	--	ND	12.9	--		7.45
3-Chloropropene	ND	1.49	--	ND	4.66	--		7.45
Carbon disulfide	7.56	1.49	--	23.5	4.64	--		7.45
Freon-113	ND	1.49	--	ND	11.4	--		7.45
trans-1,2-Dichloroethene	ND	1.49	--	ND	5.91	--		7.45
1,1-Dichloroethane	ND	1.49	--	ND	6.03	--		7.45
Methyl tert butyl ether	ND	1.49	--	ND	5.37	--		7.45
2-Butanone	36.1	3.72	--	106	11.0	--		7.45
cis-1,2-Dichloroethene	ND	1.49	--	ND	5.91	--		7.45
Ethyl Acetate	ND	3.72	--	ND	13.4	--		7.45

Project Name:

Project Number: 7139

Lab Number: L1519577

Report Date: 08/20/15

SAMPLE RESULTS

Lab ID: L1519577-03 D

Client ID: SV-3

Sample Location: 11-51 47TH AVE., LONG ISLAND C

Date Collected: 08/12/15 12:35

Date Received: 08/13/15

Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	1.49	--	ND	7.28	--		7.45
Tetrahydrofuran	12.8	3.72	--	37.8	11.0	--		7.45
1,2-Dichloroethane	ND	1.49	--	ND	6.03	--		7.45
n-Hexane	25.9	1.49	--	91.3	5.25	--		7.45
1,1,1-Trichloroethane	ND	1.49	--	ND	8.13	--		7.45
Benzene	12.5	1.49	--	39.9	4.76	--		7.45
Carbon tetrachloride	ND	1.49	--	ND	9.37	--		7.45
Cyclohexane	13.4	1.49	--	46.1	5.13	--		7.45
1,2-Dichloropropane	ND	1.49	--	ND	6.89	--		7.45
Bromodichloromethane	ND	1.49	--	ND	9.98	--		7.45
1,4-Dioxane	ND	1.49	--	ND	5.37	--		7.45
Trichloroethene	ND	1.49	--	ND	8.01	--		7.45
2,2,4-Trimethylpentane	ND	1.49	--	ND	6.96	--		7.45
Heptane	6.74	1.49	--	27.6	6.11	--		7.45
cis-1,3-Dichloropropene	ND	1.49	--	ND	6.76	--		7.45
4-Methyl-2-pentanone	ND	3.72	--	ND	15.2	--		7.45
trans-1,3-Dichloropropene	ND	1.49	--	ND	6.76	--		7.45
1,1,2-Trichloroethane	ND	1.49	--	ND	8.13	--		7.45
Toluene	7.06	1.49	--	26.6	5.62	--		7.45
2-Hexanone	ND	1.49	--	ND	6.11	--		7.45
Dibromochloromethane	ND	1.49	--	ND	12.7	--		7.45
1,2-Dibromoethane	ND	1.49	--	ND	11.5	--		7.45
Tetrachloroethene	ND	1.49	--	ND	10.1	--		7.45
Chlorobenzene	ND	1.49	--	ND	6.86	--		7.45
Ethylbenzene	ND	1.49	--	ND	6.47	--		7.45
p/m-Xylene	6.12	2.98	--	26.6	12.9	--		7.45
Bromoform	ND	1.49	--	ND	15.4	--		7.45
Styrene	ND	1.49	--	ND	6.34	--		7.45

Project Name:

Project Number: 7139

Lab Number: L1519577

Report Date: 08/20/15

SAMPLE RESULTS

Lab ID: L1519577-03 D

Client ID: SV-3

Sample Location: 11-51 47TH AVE., LONG ISLAND C

Date Collected: 08/12/15 12:35

Date Received: 08/13/15

Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	1.49	--	ND	10.2	--		7.45
o-Xylene	2.14	1.49	--	9.30	6.47	--		7.45
4-Ethyltoluene	ND	1.49	--	ND	7.33	--		7.45
1,3,5-Trimethylbenzene	ND	1.49	--	ND	7.33	--		7.45
1,2,4-Trimethylbenzene	ND	1.49	--	ND	7.33	--		7.45
Benzyl chloride	ND	1.49	--	ND	7.72	--		7.45
1,3-Dichlorobenzene	ND	1.49	--	ND	8.96	--		7.45
1,4-Dichlorobenzene	ND	1.49	--	ND	8.96	--		7.45
1,2-Dichlorobenzene	ND	1.49	--	ND	8.96	--		7.45
1,2,4-Trichlorobenzene	ND	1.49	--	ND	11.1	--		7.45
Hexachlorobutadiene	ND	1.49	--	ND	15.9	--		7.45

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	93		60-140

Project Name:

Project Number: 7139

Lab Number: L1519577

Report Date: 08/20/15

SAMPLE RESULTS

Lab ID:	L1519577-04 D	Date Collected:	08/12/15 12:00
Client ID:	SV-4	Date Received:	08/13/15
Sample Location:	11-51 47TH AVE., LONG ISLAND C	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	08/18/15 22:02		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	4.02	1.46	--	19.9	7.22	--		7.327
Chloromethane	19.1	1.46	--	39.4	3.01	--		7.327
Freon-114	ND	1.46	--	ND	10.2	--		7.327
Vinyl chloride	ND	1.46	--	ND	3.73	--		7.327
1,3-Butadiene	ND	1.46	--	ND	3.23	--		7.327
Bromomethane	ND	1.46	--	ND	5.67	--		7.327
Chloroethane	ND	1.46	--	ND	3.85	--		7.327
Ethanol	330	18.3	--	622	34.5	--		7.327
Vinyl bromide	ND	1.46	--	ND	6.38	--		7.327
Acetone	1810	7.33	--	4300	17.4	--		7.327
Trichlorofluoromethane	56.9	1.46	--	320	8.20	--		7.327
Isopropanol	72.3	3.66	--	178	9.00	--		7.327
1,1-Dichloroethene	ND	1.46	--	ND	5.79	--		7.327
Tertiary butyl Alcohol	709	3.66	--	2150	11.1	--		7.327
Methylene chloride	5.06	3.66	--	17.6	12.7	--		7.327
3-Chloropropene	ND	1.46	--	ND	4.57	--		7.327
Carbon disulfide	4.73	1.46	--	14.7	4.55	--		7.327
Freon-113	ND	1.46	--	ND	11.2	--		7.327
trans-1,2-Dichloroethene	ND	1.46	--	ND	5.79	--		7.327
1,1-Dichloroethane	ND	1.46	--	ND	5.91	--		7.327
Methyl tert butyl ether	ND	1.46	--	ND	5.26	--		7.327
2-Butanone	38.6	3.66	--	114	10.8	--		7.327
cis-1,2-Dichloroethene	ND	1.46	--	ND	5.79	--		7.327
Ethyl Acetate	ND	3.66	--	ND	13.2	--		7.327

Project Name:

Project Number: 7139

Lab Number: L1519577

Report Date: 08/20/15

SAMPLE RESULTS

Lab ID: L1519577-04 D

Client ID: SV-4

Sample Location: 11-51 47TH AVE., LONG ISLAND C

Date Collected: 08/12/15 12:00

Date Received: 08/13/15

Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	1.46	--	ND	7.13	--		7.327
Tetrahydrofuran	13.4	3.66	--	39.5	10.8	--		7.327
1,2-Dichloroethane	ND	1.46	--	ND	5.91	--		7.327
n-Hexane	5.13	1.46	--	18.1	5.15	--		7.327
1,1,1-Trichloroethane	ND	1.46	--	ND	7.97	--		7.327
Benzene	1.85	1.46	--	5.91	4.66	--		7.327
Carbon tetrachloride	ND	1.46	--	ND	9.18	--		7.327
Cyclohexane	ND	1.46	--	ND	5.03	--		7.327
1,2-Dichloropropane	ND	1.46	--	ND	6.75	--		7.327
Bromodichloromethane	ND	1.46	--	ND	9.78	--		7.327
1,4-Dioxane	ND	1.46	--	ND	5.26	--		7.327
Trichloroethene	ND	1.46	--	ND	7.85	--		7.327
2,2,4-Trimethylpentane	11.8	1.46	--	55.1	6.82	--		7.327
Heptane	2.37	1.46	--	9.71	5.98	--		7.327
cis-1,3-Dichloropropene	ND	1.46	--	ND	6.63	--		7.327
4-Methyl-2-pentanone	ND	3.66	--	ND	15.0	--		7.327
trans-1,3-Dichloropropene	ND	1.46	--	ND	6.63	--		7.327
1,1,2-Trichloroethane	ND	1.46	--	ND	7.97	--		7.327
Toluene	7.25	1.46	--	27.3	5.50	--		7.327
2-Hexanone	ND	1.46	--	ND	5.98	--		7.327
Dibromochloromethane	ND	1.46	--	ND	12.4	--		7.327
1,2-Dibromoethane	ND	1.46	--	ND	11.2	--		7.327
Tetrachloroethene	1.52	1.46	--	10.3	9.90	--		7.327
Chlorobenzene	ND	1.46	--	ND	6.72	--		7.327
Ethylbenzene	2.18	1.46	--	9.47	6.34	--		7.327
p/m-Xylene	9.91	2.93	--	43.0	12.7	--		7.327
Bromoform	ND	1.46	--	ND	15.1	--		7.327
Styrene	ND	1.46	--	ND	6.22	--		7.327

Project Name:

Project Number: 7139

Lab Number: L1519577

Report Date: 08/20/15

SAMPLE RESULTS

Lab ID: L1519577-04 D

Client ID: SV-4

Sample Location: 11-51 47TH AVE., LONG ISLAND C

Date Collected: 08/12/15 12:00

Date Received: 08/13/15

Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	1.46	--	ND	10.0	--		7.327
o-Xylene	3.44	1.46	--	14.9	6.34	--		7.327
4-Ethyltoluene	ND	1.46	--	ND	7.18	--		7.327
1,3,5-Trimethylbenzene	ND	1.46	--	ND	7.18	--		7.327
1,2,4-Trimethylbenzene	3.02	1.46	--	14.8	7.18	--		7.327
Benzyl chloride	ND	1.46	--	ND	7.56	--		7.327
1,3-Dichlorobenzene	ND	1.46	--	ND	8.78	--		7.327
1,4-Dichlorobenzene	ND	1.46	--	ND	8.78	--		7.327
1,2-Dichlorobenzene	ND	1.46	--	ND	8.78	--		7.327
1,2,4-Trichlorobenzene	ND	1.46	--	ND	10.8	--		7.327
Hexachlorobutadiene	ND	1.46	--	ND	15.6	--		7.327

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	94		60-140

Project Name:

Project Number: 7139

Lab Number: L1519577

Report Date: 08/20/15

SAMPLE RESULTS

Lab ID: L1519577-05 D
Client ID: SV-5
Sample Location: 11-51 47TH AVE., LONG ISLAND C
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/18/15 22:33
Analyst: MB

Date Collected: 08/12/15 11:40
Date Received: 08/13/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	3.48	0.580	--	17.2	2.87	--		2.902
Chloromethane	3.06	0.580	--	6.32	1.20	--		2.902
Freon-114	ND	0.580	--	ND	4.05	--		2.902
Vinyl chloride	ND	0.580	--	ND	1.48	--		2.902
1,3-Butadiene	1.96	0.580	--	4.34	1.28	--		2.902
Bromomethane	ND	0.580	--	ND	2.25	--		2.902
Chloroethane	ND	0.580	--	ND	1.53	--		2.902
Ethanol	55.7	7.26	--	105	13.7	--		2.902
Vinyl bromide	ND	0.580	--	ND	2.54	--		2.902
Acetone	288	2.90	--	684	6.89	--		2.902
Trichlorofluoromethane	24.4	0.580	--	137	3.26	--		2.902
Isopropanol	12.6	1.45	--	31.0	3.56	--		2.902
1,1-Dichloroethene	ND	0.580	--	ND	2.30	--		2.902
Tertiary butyl Alcohol	116	1.45	--	352	4.40	--		2.902
Methylene chloride	3.12	1.45	--	10.8	5.04	--		2.902
3-Chloropropene	ND	0.580	--	ND	1.82	--		2.902
Carbon disulfide	4.85	0.580	--	15.1	1.81	--		2.902
Freon-113	ND	0.580	--	ND	4.45	--		2.902
trans-1,2-Dichloroethene	ND	0.580	--	ND	2.30	--		2.902
1,1-Dichloroethane	ND	0.580	--	ND	2.35	--		2.902
Methyl tert butyl ether	ND	0.580	--	ND	2.09	--		2.902
2-Butanone	15.1	1.45	--	44.5	4.28	--		2.902
cis-1,2-Dichloroethene	ND	0.580	--	ND	2.30	--		2.902
Ethyl Acetate	ND	1.45	--	ND	5.23	--		2.902

Project Name:

Project Number: 7139

Lab Number: L1519577

Report Date: 08/20/15

SAMPLE RESULTS

Lab ID: L1519577-05 D

Client ID: SV-5

Sample Location: 11-51 47TH AVE., LONG ISLAND C

Date Collected: 08/12/15 11:40

Date Received: 08/13/15

Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	2.70	0.580	--	13.2	2.83	--		2.902
Tetrahydrofuran	11.9	1.45	--	35.1	4.28	--		2.902
1,2-Dichloroethane	ND	0.580	--	ND	2.35	--		2.902
n-Hexane	6.66	0.580	--	23.5	2.04	--		2.902
1,1,1-Trichloroethane	ND	0.580	--	ND	3.16	--		2.902
Benzene	2.99	0.580	--	9.55	1.85	--		2.902
Carbon tetrachloride	ND	0.580	--	ND	3.65	--		2.902
Cyclohexane	12.8	0.580	--	44.1	2.00	--		2.902
1,2-Dichloropropane	ND	0.580	--	ND	2.68	--		2.902
Bromodichloromethane	ND	0.580	--	ND	3.89	--		2.902
1,4-Dioxane	ND	0.580	--	ND	2.09	--		2.902
Trichloroethene	ND	0.580	--	ND	3.12	--		2.902
2,2,4-Trimethylpentane	ND	0.580	--	ND	2.71	--		2.902
Heptane	6.30	0.580	--	25.8	2.38	--		2.902
cis-1,3-Dichloropropene	ND	0.580	--	ND	2.63	--		2.902
4-Methyl-2-pentanone	5.20	1.45	--	21.3	5.94	--		2.902
trans-1,3-Dichloropropene	ND	0.580	--	ND	2.63	--		2.902
1,1,2-Trichloroethane	ND	0.580	--	ND	3.16	--		2.902
Toluene	5.73	0.580	--	21.6	2.19	--		2.902
2-Hexanone	1.12	0.580	--	4.59	2.38	--		2.902
Dibromochloromethane	ND	0.580	--	ND	4.94	--		2.902
1,2-Dibromoethane	ND	0.580	--	ND	4.46	--		2.902
Tetrachloroethene	ND	0.580	--	ND	3.93	--		2.902
Chlorobenzene	ND	0.580	--	ND	2.67	--		2.902
Ethylbenzene	1.10	0.580	--	4.78	2.52	--		2.902
p/m-Xylene	4.62	1.16	--	20.1	5.04	--		2.902
Bromoform	ND	0.580	--	ND	6.00	--		2.902
Styrene	ND	0.580	--	ND	2.47	--		2.902

Project Name:

Project Number: 7139

Lab Number: L1519577

Report Date: 08/20/15

SAMPLE RESULTS

Lab ID: L1519577-05 D

Client ID: SV-5

Sample Location: 11-51 47TH AVE., LONG ISLAND C

Date Collected: 08/12/15 11:40

Date Received: 08/13/15

Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.580	--	ND	3.98	--		2.902
o-Xylene	1.72	0.580	--	7.47	2.52	--		2.902
4-Ethyltoluene	ND	0.580	--	ND	2.85	--		2.902
1,3,5-Trimethylbenzene	ND	0.580	--	ND	2.85	--		2.902
1,2,4-Trimethylbenzene	0.836	0.580	--	4.11	2.85	--		2.902
Benzyl chloride	ND	0.580	--	ND	3.00	--		2.902
1,3-Dichlorobenzene	ND	0.580	--	ND	3.49	--		2.902
1,4-Dichlorobenzene	ND	0.580	--	ND	3.49	--		2.902
1,2-Dichlorobenzene	ND	0.580	--	ND	3.49	--		2.902
1,2,4-Trichlorobenzene	ND	0.580	--	ND	4.31	--		2.902
Hexachlorobutadiene	ND	0.580	--	ND	6.19	--		2.902

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	93		60-140

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/18/15 15:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG813182-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/18/15 15:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG813182-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/18/15 15:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG813182-4								
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/18/15 15:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG813182-4								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/18/15 15:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG813182-4								
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG813182-3								
Chlorodifluoromethane	99		-		70-130	-		
Propylene	119		-		70-130	-		
Propane	88		-		70-130	-		
Dichlorodifluoromethane	97		-		70-130	-		
Chloromethane	115		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	118		-		70-130	-		
Methanol	112		-		70-130	-		
Vinyl chloride	118		-		70-130	-		
1,3-Butadiene	127		-		70-130	-		
Butane	108		-		70-130	-		
Bromomethane	110		-		70-130	-		
Chloroethane	112		-		70-130	-		
Ethyl Alcohol	116		-		70-130	-		
Dichlorofluoromethane	107		-		70-130	-		
Vinyl bromide	115		-		70-130	-		
Acrolein	118		-		70-130	-		
Acetone	118		-		70-130	-		
Acetonitrile	111		-		70-130	-		
Trichlorofluoromethane	112		-		70-130	-		
iso-Propyl Alcohol	126		-		70-130	-		
Acrylonitrile	119		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG813182-3								
Pentane	107		-		70-130	-		
Ethyl ether	107		-		70-130	-		
1,1-Dichloroethene	113		-		70-130	-		
tert-Butyl Alcohol	111		-		70-130	-		
Methylene chloride	120		-		70-130	-		
3-Chloropropene	121		-		70-130	-		
Carbon disulfide	113		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	117		-		70-130	-		
trans-1,2-Dichloroethene	97		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	101		-		70-130	-		
Vinyl acetate	107		-		70-130	-		
2-Butanone	99		-		70-130	-		
cis-1,2-Dichloroethene	108		-		70-130	-		
Ethyl Acetate	116		-		70-130	-		
Chloroform	112		-		70-130	-		
Tetrahydrofuran	106		-		70-130	-		
2,2-Dichloropropane	100		-		70-130	-		
1,2-Dichloroethane	109		-		70-130	-		
n-Hexane	92		-		70-130	-		
Isopropyl Ether	89		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG813182-3								
Ethyl-Tert-Butyl-Ether	89		-		70-130	-		
1,1,1-Trichloroethane	95		-		70-130	-		
1,1-Dichloropropene	92		-		70-130	-		
Benzene	93		-		70-130	-		
Carbon tetrachloride	100		-		70-130	-		
Cyclohexane	96		-		70-130	-		
Tertiary-Amyl Methyl Ether	90		-		70-130	-		
Dibromomethane	88		-		70-130	-		
1,2-Dichloropropane	95		-		70-130	-		
Bromodichloromethane	95		-		70-130	-		
1,4-Dioxane	102		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	94		-		70-130	-		
Methyl Methacrylate	89		-		70-130	-		
Heptane	91		-		70-130	-		
cis-1,3-Dichloropropene	100		-		70-130	-		
4-Methyl-2-pentanone	95		-		70-130	-		
trans-1,3-Dichloropropene	88		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	96		-		70-130	-		
1,3-Dichloropropane	91		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG813182-3								
2-Hexanone	101		-		70-130	-		
Dibromochloromethane	102		-		70-130	-		
1,2-Dibromoethane	102		-		70-130	-		
Butyl Acetate	98		-		70-130	-		
Octane	89		-		70-130	-		
Tetrachloroethene	96		-		70-130	-		
1,1,1,2-Tetrachloroethane	93		-		70-130	-		
Chlorobenzene	98		-		70-130	-		
Ethylbenzene	97		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	100		-		70-130	-		
Styrene	99		-		70-130	-		
1,1,2,2-Tetrachloroethane	104		-		70-130	-		
o-Xylene	101		-		70-130	-		
1,2,3-Trichloropropane	94		-		70-130	-		
Nonane (C9)	90		-		70-130	-		
Isopropylbenzene	96		-		70-130	-		
Bromobenzene	93		-		70-130	-		
o-Chlorotoluene	94		-		70-130	-		
n-Propylbenzene	94		-		70-130	-		
p-Chlorotoluene	94		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG813182-3								
4-Ethyltoluene	94		-		70-130	-		
1,3,5-Trimethylbenzene	98		-		70-130	-		
tert-Butylbenzene	94		-		70-130	-		
1,2,4-Trimethylbenzene	102		-		70-130	-		
Decane (C10)	94		-		70-130	-		
Benzyl chloride	101		-		70-130	-		
1,3-Dichlorobenzene	102		-		70-130	-		
1,4-Dichlorobenzene	102		-		70-130	-		
sec-Butylbenzene	96		-		70-130	-		
p-Isopropyltoluene	90		-		70-130	-		
1,2-Dichlorobenzene	102		-		70-130	-		
n-Butylbenzene	99		-		70-130	-		
1,2-Dibromo-3-chloropropane	94		-		70-130	-		
Undecane	104		-		70-130	-		
Dodecane (C12)	127		-		70-130	-		
1,2,4-Trichlorobenzene	119		-		70-130	-		
Naphthalene	114		-		70-130	-		
1,2,3-Trichlorobenzene	112		-		70-130	-		
Hexachlorobutadiene	112		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG813182-5 QC Sample: L1519577-01 Client ID: SV-1						
Dichlorodifluoromethane	3.28	2.89	ppbV	13		25
Chloromethane	ND	ND	ppbV	NC		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	13.6	12.8	ppbV	6		25
Trichlorofluoromethane	36.8	36.8	ppbV	0		25
iso-Propyl Alcohol	4.67	4.73	ppbV	1		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
tert-Butyl Alcohol	12.5	12.0	ppbV	4		25
Methylene chloride	1.65	1.54	ppbV	7		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	1.36	1.31	ppbV	4		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG813182-5 QC Sample: L1519577-01 Client ID: SV-1					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
2-Butanone	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	1.48	1.46	ppbV	1	25
Tetrahydrofuran	1.74	1.84	ppbV	6	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	0.676	0.629	ppbV	7	25
1,1,1-Trichloroethane	1.36	1.45	ppbV	6	25
Benzene	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	0.679	0.693	ppbV	2	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	1.34	1.36	ppbV	1	25
Heptane	0.614	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG813182-5 QC Sample: L1519577-01 Client ID: SV-1					
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	5.07	5.04	ppbV	1	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	3.54	3.58	ppbV	1	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.727	0.727	ppbV	0	25
p/m-Xylene	3.13	3.12	ppbV	0	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	1.16	1.16	ppbV	0	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.648	0.612	ppbV	6	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG813182-5 QC Sample: L1519577-01 Client ID: SV-1					
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name:

Lab Number: L1519577

Project Number: 7139

Report Date: 08/20/15

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1519577-01	SV-1	0029	#20 SV	08/11/15	207906		-	-	-	Pass	6.2	6.4	3
L1519577-01	SV-1	779	1.0L Can	08/11/15	207906	L1517989-01	Pass	-29.5	-7.4	-	-	-	-
L1519577-02	SV-2	0093	#20 AMB	08/11/15	207906		-	-	-	Pass	6.6	6.8	3
L1519577-02	SV-2	1502	1.0L Can	08/11/15	207906	L1517989-01	Pass	-29.6	-7.5	-	-	-	-
L1519577-03	SV-3	0531	#16 SV	08/11/15	207906		-	-	-	Pass	6.3	6.6	5
L1519577-03	SV-3	682	1.0L Can	08/11/15	207906	L1517989-01	Pass	-29.5	-8.2	-	-	-	-
L1519577-04	SV-4	0379	#16 SV	08/11/15	207906		-	-	-	Pass	6.2	6.5	5
L1519577-04	SV-4	1914	1.0L Can	08/11/15	207906	L1517989-01	Pass	-29.6	-8.1	-	-	-	-
L1519577-05	SV-5	0622	#16 SV	08/11/15	207906		-	-	-	Pass	6.5	7.0	7
L1519577-05	SV-5	858	1.0L Can	08/11/15	207906	L1517989-01	Pass	-28.0	-7.8	-	-	-	-

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1517989

Report Date: 08/20/15

Air Canister Certification Results

Lab ID:	L1517989-01	Date Collected:	07/30/15 18:00
Client ID:	CAN 1496 SHELF 2	Date Received:	07/31/15
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	07/31/15 16:56		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1517989

Report Date: 08/20/15

Air Canister Certification Results

Lab ID: L1517989-01
Client ID: CAN 1496 SHELF 2
Sample Location:

Date Collected: 07/30/15 18:00
Date Received: 07/31/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1517989

Report Date: 08/20/15

Air Canister Certification Results

Lab ID: L1517989-01
Client ID: CAN 1496 SHELF 2
Sample Location:

Date Collected: 07/30/15 18:00
Date Received: 07/31/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1517989

Report Date: 08/20/15

Air Canister Certification Results

Lab ID: L1517989-01
Client ID: CAN 1496 SHELF 2
Sample Location:

Date Collected: 07/30/15 18:00
Date Received: 07/31/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1517989

Report Date: 08/20/15

Air Canister Certification Results

Lab ID: L1517989-01

Client ID: CAN 1496 SHELF 2

Sample Location:

Date Collected: 07/30/15 18:00

Date Received: 07/31/15

Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	93		60-140

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1517989

Report Date: 08/20/15

Air Canister Certification Results

Lab ID:	L1517989-01	Date Collected:	07/30/15 18:00
Client ID:	CAN 1496 SHELF 2	Date Received:	07/31/15
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	07/31/15 16:56		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1517989

Report Date: 08/20/15

Air Canister Certification Results

Lab ID: L1517989-01
Client ID: CAN 1496 SHELF 2
Sample Location:

Date Collected: 07/30/15 18:00
Date Received: 07/31/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1517989

Report Date: 08/20/15

Air Canister Certification Results

Lab ID: L1517989-01
Client ID: CAN 1496 SHELF 2
Sample Location:

Date Collected: 07/30/15 18:00
Date Received: 07/31/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	93		60-140

Project Name: Not Specified
Project Number: 7139

Lab Number: L1519577
Report Date: 08/20/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1519577-01A	Canister - 1 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1519577-02A	Canister - 1 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1519577-03A	Canister - 1 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1519577-04A	Canister - 1 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1519577-05A	Canister - 1 Liter	N/A	N/A		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name: Not Specified **Lab Number:** L1519577

Project Number: 7139 **Report Date:** 08/20/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: Data Usability Report

Project Name: Not Specified **Lab Number:** L1519577

Project Number: 7139 **Report Date:** 08/20/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: Not Specified
Project Number: 7139
Lab Number: L1519577
Report Date: 08/20/15

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 8/14/15

ALPHA Job #: L1519577

Client Information

Client: IMPACT ENVIRONMENTAL
Address: 170 Keyland Ct
Bohemia, NY 11716
Phone: 631-269-8800
Fax: 631-269-1599
Email: BHernandez@impactenvironmental.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name:
Project Location: 11-51 47th Ave, Long Island City, NY
Project #: 7139
Project Manager: B Hernandez
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
19577.01	SV-1	8-12-15	0930	1130	-30.07	-7.23	SV	JS	1L	779	0029		X						
02	SV-2	8-12-15	0920	1115	-29.58	-7.20	SV	JS	1L	1502	0093		X						
03	SV-3	8-12-15	1040	1235	-30.33	-7.56	SV	JS	1L	692	0531		X						
04	SV-4	8-12-15	0950	1200	-30.05	-7.23	SV	JS	1L	1914	0379		X						
05	SV-5	8-12-15	0940	1140	-28.00	-7.22	SV	JS	1L	858	0622		X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
Bryan Mundy	8-13-15 12:30	[illegible]	8-13-15 12:30
[illegible]	8-13-15 1850	Tom Tolen	8-13-15 1850
Tom Tolen	8-14-15 0200	[illegible]	8/14/15 0200

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

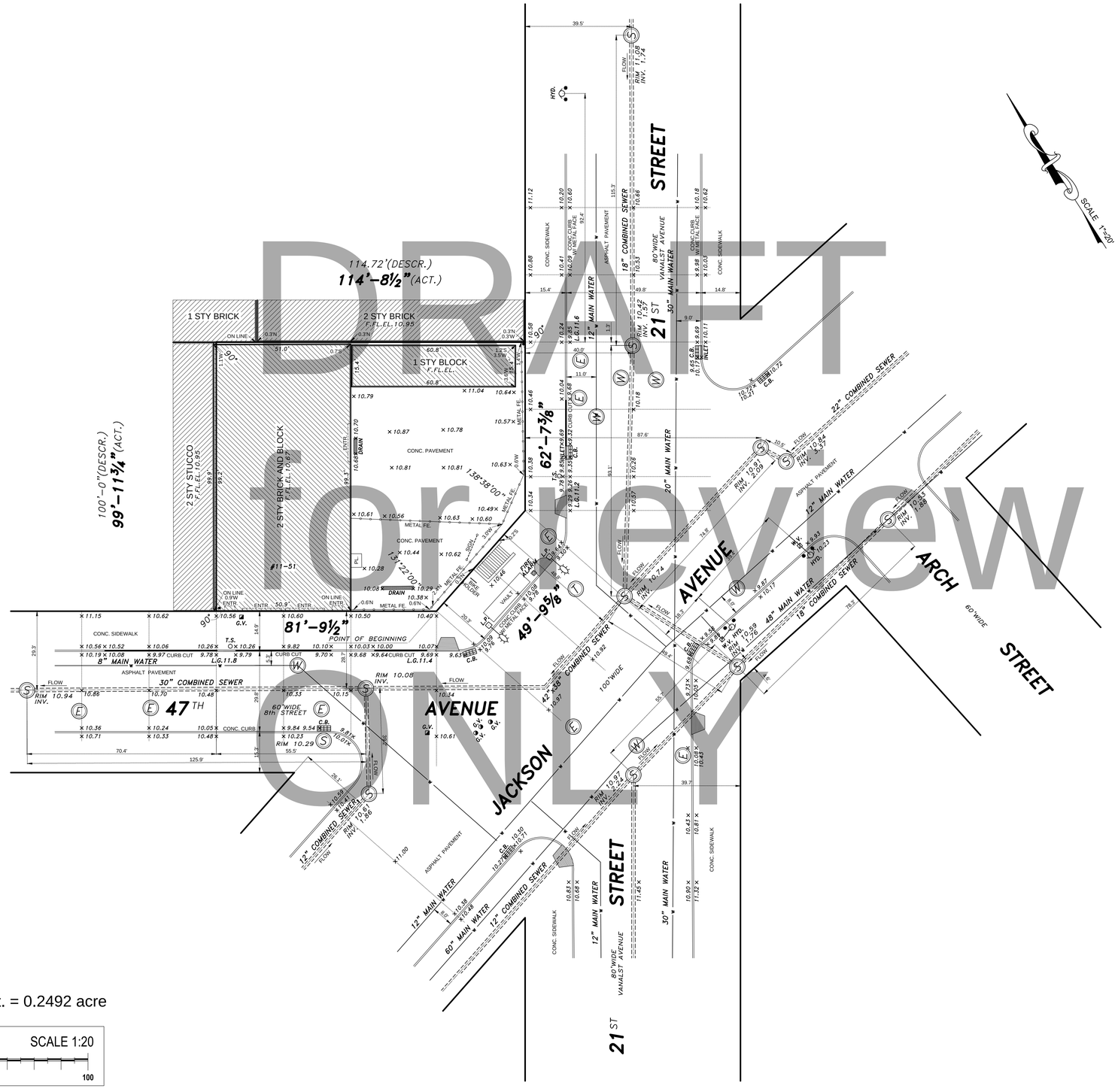
Form No: 101-02 (19-Jun-09)

APPENDIX D

Proposed Development Plans

JOB NO. Q 56-1-TO
SURVEYED ON: APRIL 2, 2014

FLOOD NOTE
BY GRAPHIC PLOTTING ONLY, SUBJECT PROPERTY IS LOCATED IN **ZONE X (AREA OF NO FLOODING)** AS SHOWN ON THE FLOOD INSURANCE RATE MAP FOR COMMUNITY PANEL NUMBER **360 497 0202 F** WHICH BEARS AN EFFECTIVE DATE OF SEPTEMBER 5, 2007.



DRAFT
for review
ONLY

LOT AREA = 10853.13 sq.ft. = 0.2492 acre

GRAPHIC SCALE
ALL WRITTEN MEASUREMENTS AND OFFSETS NOTED ON THIS SURVEY SUPERSEDE MEASUREMENTS SCALED OF THIS PLOT.
SCALE 1:20
0 5 10 15 20 25 30 35 40 45 50 100

SYMBOLS AND ABBREVIATIONS

FENCE	CH.L.FE. — WOOD FE.
UTILITY POLE	U.P.
PARKING METER	P.M.
OIL FILL	O.F.
MONITORING WELL	M.W.
TRAFFIC LIGHT	T.L.
LIGHT	
STREET LIGHT	L.P.
FIRE HYDRANT	HYD.
SIAMESE CONNECTION	SPR.
SHUT OFF VALVE	G.V. — G.V. — W.V. — W.V.
HANDICAPPED PARKING	
EXISTING TREE	ø12"
DRAINS	DR. — DR.
ROOF OVER	R.O.
EXISTING ELEVATIONS	×43.15 TOP OF CURB — ×43.78; ×42.93 BOTTOM OF CURB
CITY ESTABLISHED GRADES	L.G.7.52
CURB AND CURB CUT	CURB CUT
OVERHEAD SERVICE	OH.S.W.
CABLE TV MANHOLE	CTV
MANHOLES	MH — E — T — W — S RIM EL. INV.EL.
CATCH BASIN	C.B. — C.B.
FIRE ESCAPE	F.E.
PLATFORM	PL. or PLTF.
BASEMENT ENTRANCE	B.E.
CELLAR ENTRANCE	C.E.
AIR WAY	A.W.
BAY WINDOW	B.W.
CONCRETE	CONC.
OVERHANG	O.H.
AIR CONDITION	AC
METAL	MET.
NORTH OF PROPERTY LINE	N
SOUTH OF PROPERTY LINE	S
EAST OF PROPERTY LINE	E
WEST OF PROPERTY LINE	W

GENERAL NOTES

SUBSURFACE UTILITIES ARE NOT GUARANTEED BY SURVEYOR. HIGH CAUTION RECOMMENDED AND VERIFICATION WITH PROPER CITY AGENCIES, IS MANDATORY BEFORE COMMENCING ALL NEW WORK.

ALL SUBSURFACE AND OVERHEAD UTILITIES (AS TO SIZE , TYPE AND DEPTH) SHOWN ON THIS SURVEY ARE TAKEN FROM RECORDS OF GOVERNMENTAL AGENCIES AND UTILITY COMPANIES, UNLESS OTHERWISE NOTED AND SHOWN.

COVER OR DEPTH OF UTILITIES WHICH DERIVED FROM FIELD MEASUREMENTS SHOWN ON THIS SURVEY SHOULD BE VERIFIED WITH PROPER AGENCY PRIOR TO CONSTRUCTION OF PROJECT. INVERT ELEVATIONS ARE DERIVED FROM CITY AGENCY RECORDS WHEN NOT AVAILABLE BY FIELD SURVEY AND NOTED AS "PER RECORD" ON THE SURVEY.

ALL SUBSURFACE UTILITY AS TO LOCATION AND DEPTH, SHOULD BE RECHECKED AND LEGAL GRADES SHOULD BE VERIFIED WITH THE TOPOGRAPHICAL BUREAU, PREFERABLY IN WRITING BEFORE COMMENCING CONSTRUCTION.

THIS IS TO CERTIFY THAT THERE ARE NO STREAMS OR NATURAL WATER COURSES ON THE SURVEYED PROPERTY EXCEPT AS SHOWN AND/OR DESCRIBED ON THIS SURVEY.

ALL OPERATIONS OF UNDERGROUND FACILITIES AND ALL EXCAVATORS ARE OBLIGATED TO COMPLY WITH ARTICLE 36 OF THE GENERAL BUSINESS LAW AND WITH PROVISIONS OF INDUSTRIAL CODE PART (RULE NO.35) BEFORE ANY EXCAVATION OR DEMOLITION IS COMMENCED. EVERY EXCAVATOR IS REQUIRED BY THESE LAWS TO GIVE ADVANCE NOTICE TO EVERY OPERATOR OF UNDERGROUND FACILITIES OF HIS INTENT TO PERFORM EXCAVATION OR DEMOLITION WORK IN THE SPECIFIED AREA

ALL ELEVATIONS SHOWN REFER TO THE **NAVD 1988** DATUM WHICH IS **1.645'** ABOVE QUEENS DATUM.

EASEMENTS IF ANY ARE NOT SHOWN ON THIS SURVEY. NO INFORMATION PROVIDED TO SURVEYOR AT THIS TIME.

UNDERGROUND UTILITIES NOTES

UNDERGROUND, OVERHEAD AND GROUND LEVEL UTILITIES ARE NOT GUARANTEED AS TO ACCURACY, EXACT LOCATION, TYPE OR USE, ACTIVE OR INACTIVE. VERIFICATION IS MANDATORY WITH MUNICIPAL AGENCIES, PUBLIC AND PRIVATE UTILITY COMPANIES PRIOR TO TAKING TITLE AND OR DESIGN WORK. BOUNDARIES ARE NOT GUARANTEED UNLESS SO NOTED.

ALL OPERATIONS OF UNDERGROUND FACILITIES AND ALL EXCAVATORS ARE OBLIGATED TO COMPLY WITH ARTICLE 36 OF THE GENERAL BUSINESS LAW AND WITH PROVISIONS OF INDUSTRIAL CODE PART (RULE NO. 35) BEFORE ANY EXCAVATION OR DEMOLITION IS COMMENCED. EVERY EXCAVATOR IS REQUIRED BY THESE LAWS TO GIVE ADVANCE NOTICE TO EVERY OPERATOR OF UNDERGROUND FACILITIES OF HIS INTENT TO PERFORM EXCAVATION OR DEMOLITION WORK IN THE SPECIFIED AREA

UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF **THE NEW YORK STATE EDUCATION LAW.** COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYOR'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID COPY. GUARANTEES OR CERTIFICATIONS INDICATED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON, AND TO THE ASSIGNEES OF THE LENDING INSTITUTION. GUARANTEES OR CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.

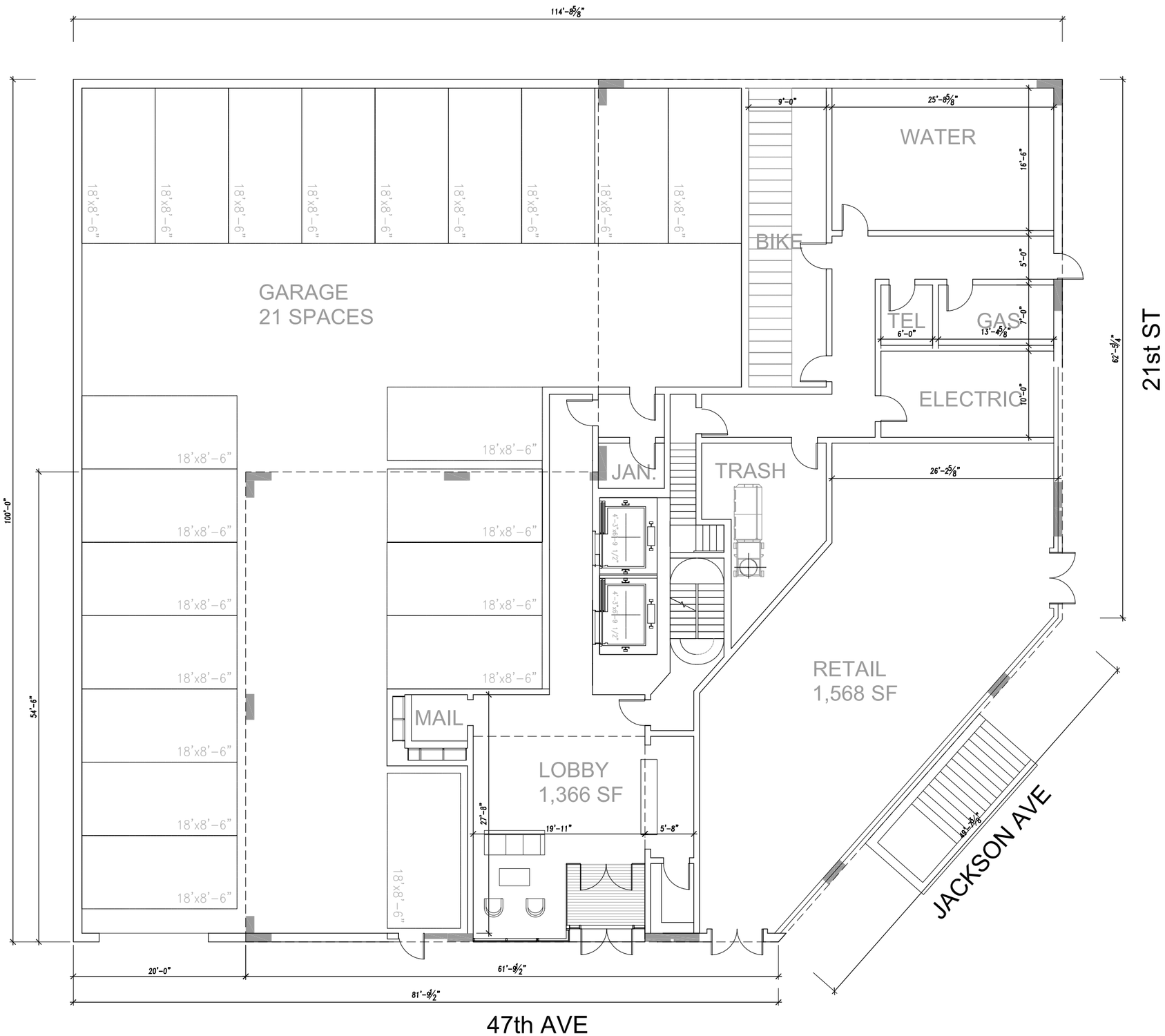
GUARANTEED TO:	11-51 47th AV ASSOCIATES LLC		
COUNTY: QUEENS		CITY: LONG ISLAND CITY	
SECTION:	BLOCK: 56	LOT(S): 1	
PROPERTY ADDRESS:	11-51 47th AVENUE		

TOPOGRAPHICAL SURVEY

PREPARED BY

PERFECT POINT
LAND SURVEYING RT
brooklyn - queens - manhattan - bronx
staten island - nassau
phone: (718) 474-7700
fax: (718) 872-9699
info@ppsurveying.com
www.ppsurveying.com

N.Y.S. L.L.S. 049844

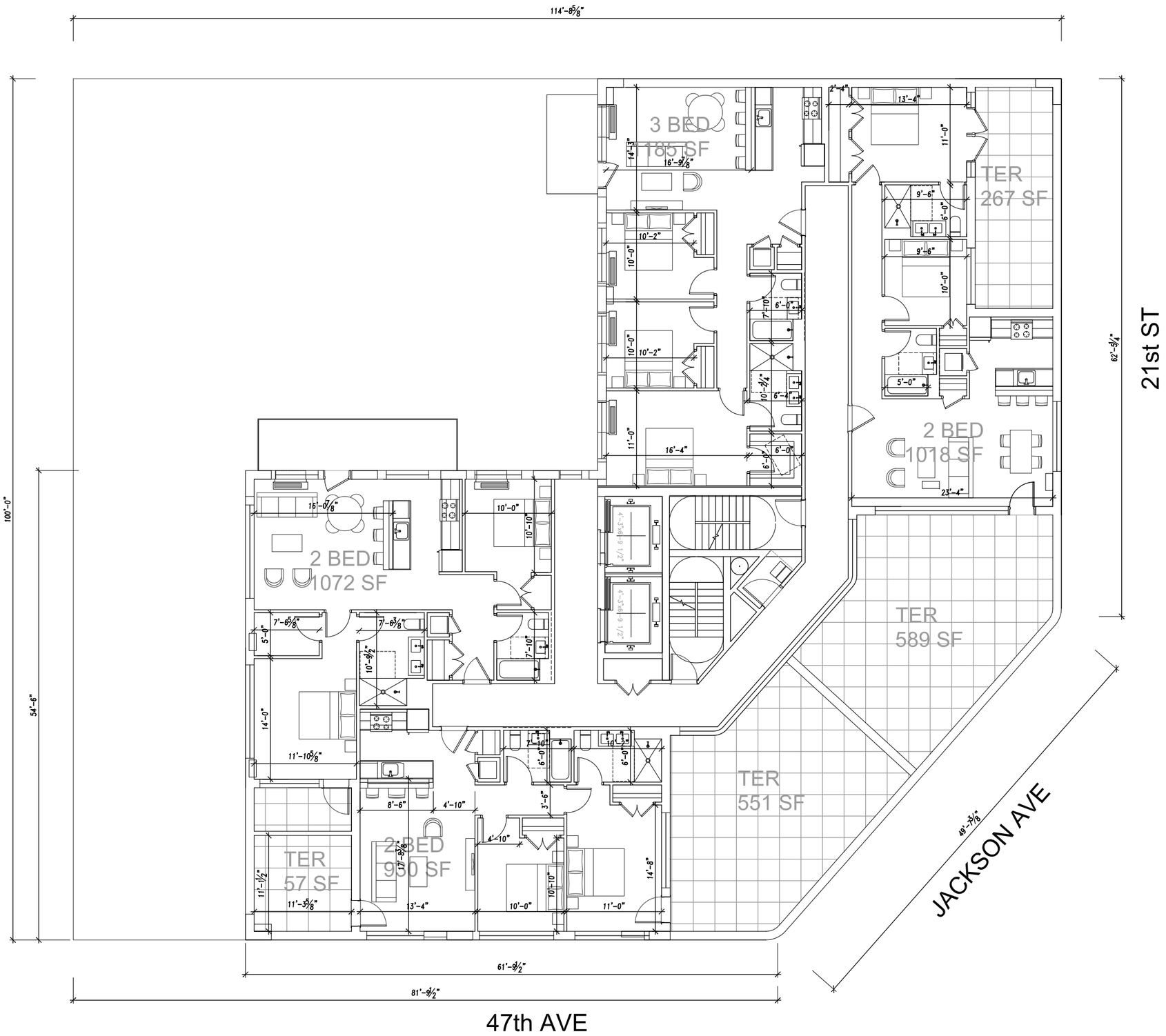


LEVEL 1
10,857 SF

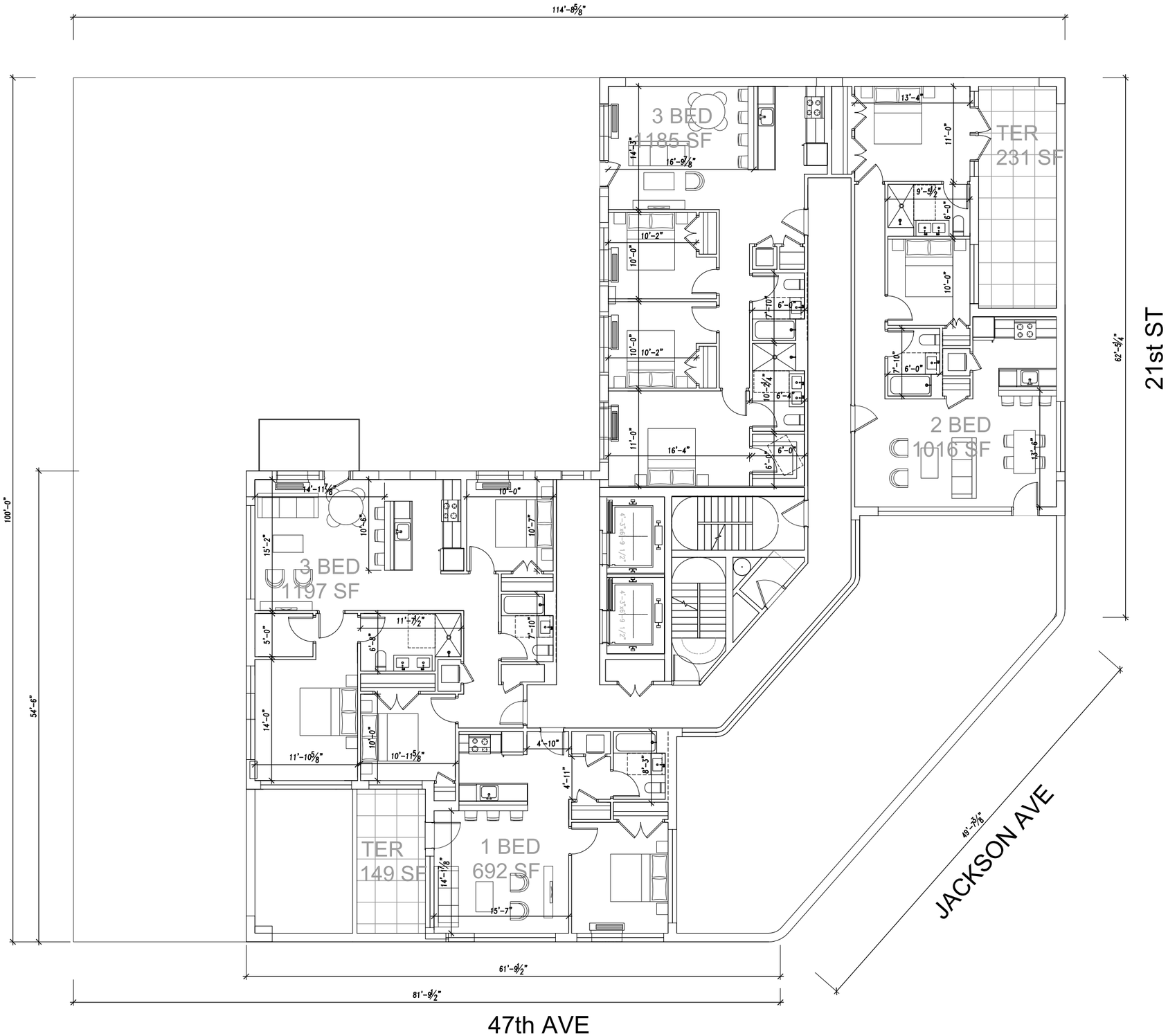
LEVEL 2
6,440 SF

LEVEL 3-5
6,996 SF

LEVEL 6-8
6,996 SF



LEVEL 9
5289 SF



LEVEL 10
5164 SF

LEVEL 11
3,411 SF

LEVEL 11 MEZZ
3,411 SF

APPENDIX E

Previous Environmental Reports

WELLS FARGO

Real Estate Technical Services Group
Revised: 12-21-2010

To: JAY PIWNICA (RGBK-ECA)
Eastern Regional Banking Credit Administration (RB)
JAY.PIWNICA@WELLSFARGO.COM
201-226-2913
Billing AU: 0076199

CC: RETECHS EI

Date: 07/23/13

Reviewed by:

Chris Kelly (ENV) (NC)
RETECHS Environmental
704-715-3091
Christopher.A.Kelly2@wellsfargo.com

ENVIRONMENTAL REVIEW MEMO – Phase I Environmental Site Assessment

RETECHS No: WF-BS-13-010636-04
Prior RETECHS No: 10146759
Project Name: 11-43/11-51 47th Avenue
Location: 11-43/11-51 47th Avenue, Long Island City, NY 11101
Borrower: Leilenok Realty Corporation

Project Purpose: ☐ **New Loan** ☒ **Renewal/Extension** ☐ **Pre-foreclosure** ☐ **Other**

Loan Type: ☒ **Conventional** ☐ **Participation** ☐ **Other**

Report Source: ☒ **Solicited** ☐ **Unsolicited**

SITE DETAILS:

Site Description: 0.48 acres, four 2 to 3-story buildings

Date of Construction: Constructed between 1915 and 1985 with significant renovations in the 1980s

Historical Uses: Residential from at least 1898 to 1915 when the first commercial building was constructed. Various occupants have included an undertaker, a laundry facility, automotive repair operation, and a dry cleaner.

Current Uses: The existing buildings are office/warehouse space and current tenants are Creative Mobile Technologies, Black Car Safety Center, The Isla De Siva Foundation, Niall Smith, New York Foundling Hospital, and Leilenok Realty Corp.

CONCLUSIONS:

No additional assessment is required. **–** Environmental risks have been identified as described below. However, these risks have been quantified and additional investigation is not required prior to acceptance of the property as collateral.

Contingencies:

Actions described in this section are required to be completed prior to acceptance of the property as collateral or, when applicable, prior to foreclosure or other action to take physical or legal possession of the property, in order to allow RETECHS to determine related liabilities.

None

This report is prepared for the sole use and benefit of Wells Fargo Real Estate Technical Services and is based in part, upon documents, writings, and information owned and possessed by Wells Fargo Real Estate Technical Services. Neither this report, nor any of the information contained herein, shall be used or relied upon for any purpose by any person or entity other than Wells Fargo Real Estate Technical Services.

Additional Discussion:
The following items represent prudent steps which should be taken to minimize environmental liabilities, but are not required prior to closing this transaction.

Environmental Designation – The site was identified with a Little 'E' Designation in the area of Underground Storage Tanks Testing Protocol. New York City Zoning Resolution § 11-15 provides that the New York City Department of Buildings (NYCDOB) may not issue a building permit for work on a tax lot labeled with an "E" due to potential hazardous material contamination, if the building permit would allow: (1) a development; (2) an enlargement, extension or change of use involving a residential or community facility use; or (3) an enlargement that disturbs the soil. While this does not appear to be a concern at this time, it should be noted that additional investigation and regulatory oversight may be required in the future if significant renovations or redevelopment of the site are planned.

Existing Site Operations – New York Foundling Hospital contains both medical and dental offices. Digital x-ray photography is utilized in this space and small quantities of medical waste are generated. The medical offices and associated operations are not considered an environmental concern.

Renovated Property: Visual ACM and LBP surveys were performed during the site visit and suspect ACM was identified. The site building was significantly renovated in the 1980s and the consultant did not consider ACM or LBP to be an environmental concern. Because improvements at the site were constructed prior to 1979, the presence of friable ACMs and LBP is possible. Although not required as a condition of the loan, it is required that prior to performing renovations at the site, sampling of suspect materials be performed. It is important to note that State and Federal Laws impose special requirements for handling these materials, especially in the event of remodel or demolition of these materials. In accordance with Wells Fargo's standard loan documents, the borrower will be required to assure compliance with all applicable regulations, notably AHERA, OSHA, and the General Construction Standard (as applicable).

Historic Site Operations – The western portions of the site (11-43/45) were occupied by a laundry facility from at least 1936 to 1985; an auto repair facility 1977 to 1980 (11-47) on the central portion of the site; and a dry cleaning facility (11-49/51) in the 1970s. Specific information regarding these former tenants was not provided and it is unknown if the former laundry facility utilized solvents or other hazardous materials during the on-site operations. These previous tenants were not identified in the regulatory database report (RDR) obtained. The former dry cleaner and auto repair facility are considered environmental concerns based on the potential use of solvents and petroleum products likely due to the nature of these types of operations. The historic site operations are considered an environmental concern; however, the Limited Phase II Environmental Site Assessment has quantified the risks and additional investigation is not required.

Limited Phase II Environmental Site Assessment – The Limited Phase II Environmental Site Assessment identified "Urban Fill", which is prevalent in this area for filling in wetlands to support development. The NYSDEC definition of "Urban Fill" is **non-indigenous or non-native material, historically deposited or disposed in the general area of, or on, a site to create useable land by filling water bodies, wetlands or topographic depressions, which is in no way connected with the subsequent operations at the location of the emplacement, and which was contaminated prior to emplacement. Historic fill may be solid waste including, but not limited to, coal ash, wood ash, municipal solid waste incinerator ash, construction and demolition debris, dredged sediments, railroad ballast, refuse and land clearing debris, which was used prior to October 10, 1962. Any soil or soil-like wastes from any area which was operated by a municipality or other person as a landfill is not considered historic fill. For purposes of a remedial program, historic fill does not include any material which is chemical production waste or waste produced on the site from processing of metal or mineral ores, residues, slag or tailings.**

Specifically, laboratory analysis confirmed the presence of both elevated levels of SVOCs and metals typical of Urban Fill generated during the coal burning years. Further, the NYSDEC provides the following

This report is prepared for the sole use and benefit of Wells Fargo Real Estate Technical Services and is based in part, upon documents, writings, and information owned and possessed by Wells Fargo Real Estate Technical Services. Neither this report, nor any of the information contained herein, shall be used or relied upon for any purpose by any person or entity other than Wells Fargo Real Estate Technical Services.

within the regulations: **Solid waste from nonhazardous inactive landfills which has been excavated as part of a construction project and is being returned to the same excavation or other excavations containing similar solid waste or otherwise relocated within the landfill's existing footprint, provided the handling, relocation and disposal practices are deemed acceptable to the department in writing in advance.**

As NYSDEC does not require removal of Urban Fill or remediation if non-hazardous material is being moved within the existing property footprint and because no planned redevelopment exists for this site at this time, RETECHS requires no additional investigation of the Urban Fill material.

Tetrachloroethylene (PCE) at low levels was identified in soil samples generally dispersed across the site. The PCE identified was below the most stringent regulatory action limits and does not require reporting or remedial action. No further investigation is warranted due to the presence of PCE.

Reports Reviewed:

Title	Author	Date	For Whom
Limited Phase II Environmental Site Assessment	Jade Environmental, Inc.	06/20/13	Leilenok Realty Corp.

This report is prepared for the sole use and benefit of Wells Fargo Real Estate Technical Services and is based in part, upon documents, writings, and information owned and possessed by Wells Fargo Real Estate Technical Services. Neither this report, nor any of the information contained herein, shall be used or relied upon for any purpose by any person or entity other than Wells Fargo Real Estate Technical Services.

JADE ENVIRONMENTAL, INC. dave@jadeenv.com
59 Circle Dr., Suite 100, Hopewell Junction, New York 12533 (914) 882-6074 tel. (845) 704-1376 efax

June 20, 2013

Mr. Enok Peterson
Leilenok Realty Corp
11-43 47TH Avenue
Long Island City, New York 11101

Re: Limited Phase II Environmental Site Assessment
11-43 thru 11-51 47th Avenue, Long Island City, New York

Dear Mr. Peterson:

Jade Environmental, Inc. is please to provide the results of our *Phase II Environmental Site Assessment* ("Phase II") of the above referenced property which includes a conglomerate of four adjacent 2-3 story buildings and a small parking lot located on the north side of 47th Avenue between Jackson Avenue to the east and 11th Avenue to the west.

Project Background

The testing detailed herein addressed *"Recognized Environmental Condition's"* previously identified by others as a result of a *"Phase I Environmental Site Assessment"*. That Phase I identified the following REC's summarized below:

1. *11-43 was occupied by a uniform laundry for 50 years;*
2. *11-47 was occupied by an auto repair facility for 3 years, and utilizes a large subsurface interceptor possibly designed to separate wastes from the wastewater stream and discharge effluent to dry wells.*
3. *11-51 was occupied by a dry cleaner in the 1970s:*

Jade makes the following comments regarding these RECs:

1. "Laundry" is not necessarily a past use that represents an REC. Without any documentation stating the laundry was discharging anything other than permitted wastes in accordance with local permits, Jade finds no reason to conclude this past use represents a potential liability associated with contaminating natural resources. A lack of hazardous waste registration associated with this former entity supports a lack of basis to suspect the potential for contamination associated with this former use;
2. The "interceptor" does not appear to be that, but simply an access vault used to access plumbing connections for repair as needed. Our inspection of the vault did not reveal any evidence the vault received any discharges of liquids, hazardous materials or even stormwater. Moreover, no pipe inverts or open plumbing was identified that would indicate a discharge to the vaults was possible. Finally, the use of dry wells in NYC has never been permitted and as such, here existence should not be suspected.
3. The parking lot addressed 11-51 47th Avenue was identified as a dry cleaner, However, according to you, owner for the past 40+ years, the lot was occupied by a diner which was razed razed by the City of New York decades ago. Jade concludes its possible the dry cleaner preceded the diner, occupied an adjacent address and/or never existed at this location. Regardless, without verification of the findings, our assessment included potential solvent impacts at this location.

Project Activities

On the morning of June 15th Jade visited the site equipped with a AMS Powerprobe 9600Pro and using direct push technology advanced a half dozen or soil probes across the front of the property and in the parking lot. In addition to the mechanically advanced probes, Jade advanced two manually advanced soil probes inside the building, where the rig could not access. Please refer to the Test Probe Location Map provided in Appendix A, for the approximate location of our test points relative to building walls, sidewalks and other pertinent site features.

Soil Sampling Activities

Soil samples collected via Powerprobe included 4' cores via Geoprobe MacroCore closed wall sampler. Each core sample was collected in a new, disposable, acetate liner beginning at grade and continuing at 4' intervals to a maximum depth of 16 feet below grade. Upon retrieval, each four foot liner was visually inspected and then cut open and the soil immediately inspected for olfactory evidence of contamination. Using a photo-ionization detector select soil aliquots were screened using standard head space analysis and a boring log prepared at each boring location noting all findings.

During sampling, the following conditions were generally identified

0 – 1'	Concrete slab and bedding material;
1' – 7'	Brick/mortar, wood, in a fine sand/silt matrix with thin layers of coal ash at select borings;
7' – 16'	natural indigenous soils consist of typical beach sand – the sand exhibitied a variable laterally stratified silt content – but overall exhibited very high permeable and saturation from 7' down to the end of the borings without any confining layers;

In select borings advanced on the west side of the site (4 and 5), a thin layer of what appeared to be coal ash was visually identified just above the saturated zone, where as sands towards the east end of the subject property appeared to be cleaner, free of ash.

Because the brick and mortar did not make adequate/representative samples, Jade collected all samples at the first native soil beneath the fill from 5-7' below grade, in some cases just above the saturated zone. Recovery was also an issue, loosely consolidated material weighted with water continuously fell out of the sampler upon extraction, despite the use of sample baskets, requiring multiple samplings at certain test locations (2 and 4).

Because of the shallow and highly permeable nature of the upper aquifer, no groundwater was sampled at this time as it would not be representative of owner liability until soil analysis confirmed a potential on-site source. Based on field screening, a soil source would have to be determined via lab analysis, as field screening did not detect any evidence of discharge on-site.

Soil samples were transferred directly from acetate liner to new lab supplied analysis appropriate sample jars without headspace and with as minimal contact with air possible. Each sample jar was labeled immediately and then placed in a cooler with blue ice for transport preservation.

Analytical Results

Generally, lab results supported field screening results confirming

1. "no significant chemical or petroleum discharges have occurred on-site"; and,
2. At least a small portion of the western side of the subject property does contain Urban Fill:

NYSDEC policy regarding Urban Fill is that despite it typical high levels of Benzos and metals, it may "remain in-place without concern, except in the event it must be removed from the site. In the event the soil must be removed from the site, such as part of a redevelopment, the Urban Fill will be considered a regulated waste and will require manifesting and appropriate disposition, in accordance with applicable regulation".

Specifically, lab analysis confirmed the presence of both elevated levels of SVOCs and metals typical of Urban Fill generated during the coal burning years when coal ash needed a home and wetlands needed pest elimination and higher elevation to facilitate development. Significant quantities of Urban Fill can be found in select former estuary's such as areas of Astoria, when coal gasification was conducted and large quantities of coal residue required disposal, far in excess of the ash generated by the typical tenement. No evidence of coal gasification residue disposition was identified during our soil sampling, only minimal deposition by local heating systems.

Analytical Summary Table							
Constituent	Soil Quality criteria	SB-1 (4'-8')	SB-2 (6'-8')	SB-3 (6'-8')	SB-4 (4'-8')	SB-5 (6'-8')	SB-6 (4'-8')
VOCs via Analytical Method 8260							
Tetrachloroethylene	1,300	ND	130	22	210	44	6.4
PAHs via Analytical Method 8270							
Benzo(a)Anthracene	1,000	270	204	2670	318	470	ND
Benzo(a)pyrene	1,000	284	258	2950	428	589	ND
Benzo(b)fluoranthene	1,000	230	215	2310	367	532	ND
Benzo(g,h,i)perylene	100,000	112	87.3	ND	ND	ND	ND
Benzo(k)Flouranthene	800	260	235	2280	367	587	ND
Chrysene	1,000	274	213	2950	359	505	ND
Flouranthene	100,000	511	376	4240	402	726	ND
Indeno(1,2,3-cd)pyrene	500	113	95.2	1760	ND	ND	ND
Phenanthrene	100,000	256	231	2080	ND	531	ND
Pyrene	100,000	658	491	4370	734	1120	ND
Regulated Metals (ppm)							
Arsenic	13	6.08	3.81	5.43	2.65	2.78	6.14
Barium	350	78.5	83.5	105	47.9	48.8	70.8
Cadmium	2.5	<0.58	ND	ND	ND	ND	ND
Chromium (+3)	30	17.8	13.6	16.4	11.5	15.1	21.8
Lead	63	78.8	40.8	270	60.4	35.5	23.4
Selenium	3.9	3.96	2.74	3.23	1.58	2.62	4.08
Silver	2.0	<0.58	ND	ND	ND	ND	ND
Mercury	0.180	<0.04	ND	ND	ND	ND	ND

Notes:
1. All concentrations are parts per billion (ppb) except metals in parts per million (ppm).
2. Only samples found to contain constituents listed in table.
3. Refer to complete lab report for complete list of parameters searched and detection limits obtained.
4. Shaded cells indicates exceedences of regulatory parameters.
5. SCOS Obtained from Table 11-1 Final Unrestricted Use Soil Clean-up Objectives 6NYCRR Part 375-6.8(a)

The summary tables above summarize the lab analysis of the soil samples collected for the most likely regulated constituents to be identified based on the RECs identified VOCs, SVOCs and regulated metals. It compares the lab results to the states Recommends Soil Quality Criteria for the purposes of identifying any areas of contamination. the impact of the Urban Fill condition can most clearly be noted in SB-3 with the SVOC exceedences.

Conclusions and Recommendations

Our investigation has documented that the past commercial uses of the property have not resulted in any soil sources of contamination that would be representative of a regulatory liability as a result of past spills or discharges of regulated materials by past tenants. As such, no further investigation or remediation is needed. The dispersion of PCE identified indicates most likely an area wide concern and not an "on-site" issue and again does not warrant further investigation.

Our investigation has confirmed that this particular area of Long Island City was likely a former wet area based on the presence of shallow groundwater and "urban fill", which is prevalent in many areas of Long Island City due to past wetland conditions throughout this area. The fill facilitated development of the area at the time, however, recent law has made the fill "regulated" as a result of its SVOCs and metals content as seen in the summary table. NYSDEC policy regarding "urban fill" is that as long as no development requires its disturbance and more importantly removal from the site, it may remain in-place without further attention. Should work require its disturbance and especially removal from the site, it will require special management including manifesting. Because no planned redevelopment exists for this site at this time, Jade concludes no further action to addressed the fill is required at this time.

Should future redevelopment be considered, we would truly appreciate the opportunity to manage the fill removal and disposal in accordance with state environmental regulations.

We appreciate the opportunity to provide our tank closure services, if you have any questions, please do not hesitate to call.

Sincerely,

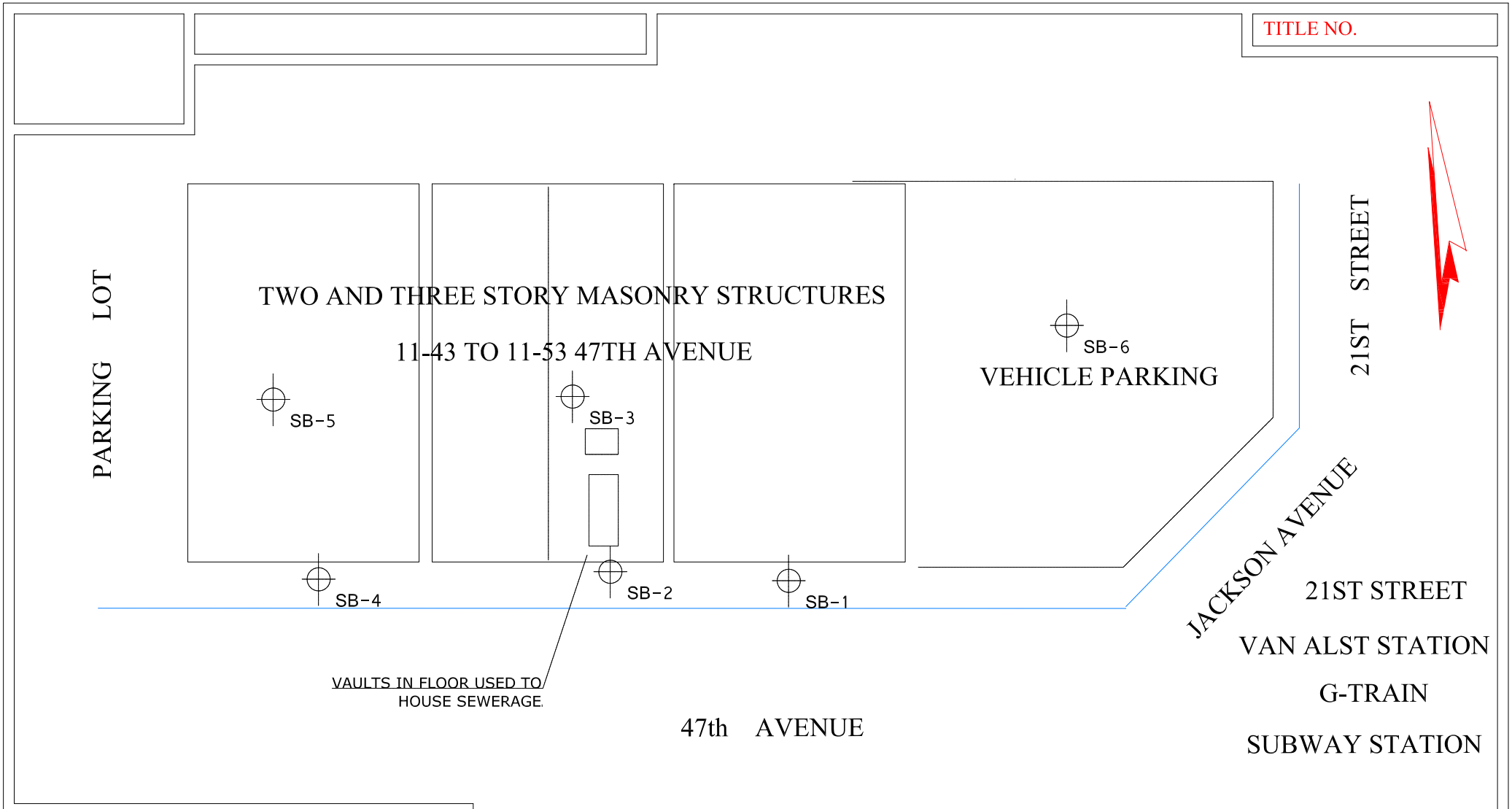
Jade Environmental, Inc.

Dave Pelletier, P. E.
President

Appendix A

TEST BORING LOCATION SKETCH

TITLE NO.



NOTES:

INVESTIGATION NOTES:

1. SUB-GRADE VAULT IN 11-47 47TH AVENUE APPEARS TO BE MECHANICS VAULT. THORUOUGH INSPECTION DID NOT IDENTIFY ANY EVIDENCE OF CONTAMINANT DISCHARGES THERETO.
2. SUBSURFACE CONSISTS OF 4-6' OF BRICK AND MORTAR WITH MIXED WOOD, SAND AND ASH AND CINDER TYPICAL OF URBAN NEW YORK.
3. SATURATED SANDS BEGIN 7-8' BELOW GRADE, JUST BELOW THE DEEPEST BUILDING INVERT (11-43 47TH AVE).
4. NO VISUAL STAINING OR ODORS WERE IDENTIFIED IN SOIL INDICATIVE OF A PETROLEUM OR CHEMICAL RELEASE.
5. BASED ON THE EXPECTED INVERT OF THE SUBWAY STATION ADJACENT EAST BENEATH JACKSON AVENUE (G LINE) AND THE DEPTH OF GROUNDWATER BENEATH THE SUBJECT PROPERTY, JADE WOULD EXPECT PUMPING IS REQUIRED TO KEEP THE STATION FROM FLOODING. IF THIS IS THE CASE, THE DIRECTION OF GROUNDWATER FLOW BENEATH THE SUBJECT PROPERTY WOULD BE GENERALLY EAST.

GROUNDWATER FLOW ("EXPECTED")

FS5

15.00' 30.00' 45.00' 90.00'

0 15 45 90 180

SCALE: N.T.S.

JUNE 29, 2013

SURVEY OF PROPERTY SITUATED IN:
2485-2495 2ND AVENUE
BOROUGH OF MANHATTAN
COUNTY OF NEW YORK
CITY OF NEW YORK
STATE OF NEW YORK

TESTPROBE LOCATION SKETCH
11-43 TO 11-53 47TH AVENUE
QUEENS, NEW YORK

Appendix B

CHEMICAL ANALYSIS REPORT

YORK ANALYTICAL LABORATORIES

NYSDOL LICENSE# 10854

Technical Report

prepared for:

Jade Environmental, Inc.
59 Circle Drive
Hopewell Junction NY, 12533
Attention: Mr. Dave Pelletier

Report Date: 06/25/2013
Client Project ID: 48-51 47th Ave.
York Project (SDG) No.: 13F0576

Report Date: 06/25/2013
Client Project ID: 48-51 47th Ave.
York Project (SDG) No.: 13F0576

Jade Environmental, Inc.
59 Circle Drive
Hopewell Junction NY, 12533
Attention: Mr. Dave Pelletier

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 18, 2013 and listed below. The project was identified as your project: **48-51 47th Ave.**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
13F0576-01	SB-1 (4-8')	Soil	06/14/2013	06/18/2013
13F0576-02	SB-2 (6'-8')	Soil	06/14/2013	06/18/2013
13F0576-03	SB-3 (6'-8')	Soil	06/14/2013	06/18/2013
13F0576-04	SB-4 (4-8')	Soil	06/14/2013	06/18/2013
13F0576-05	SB-5 (6'-8')	Soil	06/14/2013	06/18/2013
13F0576-06	SB-6 (4-8')	Soil	06/14/2013	06/18/2013

General Notes for York Project (SDG) No.: 13F0576

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: **Date:** 06/25/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: **SB-1 (4-8')** **York Sample ID:** **13F0576-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List **Log-in Notes:** **VOA-CONT** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	120	230	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
78-93-3	2-Butanone	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
67-64-1	**Acetone**	**9.0**	J, B	ug/kg dry	5.8	23	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
71-43-2	Benzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
108-86-1	Bromobenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
75-25-2	Bromoform	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS

Sample Information

Client Sample ID: **SB-1 (4-8')** **York Sample ID:** **13F0576-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List **Log-in Notes:** **VOA-CONT** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
75-00-3	Chloroethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
67-66-3	Chloroform	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
74-87-3	Chloromethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
74-95-3	Dibromomethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.8	23	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
91-20-3	Naphthalene	ND		ug/kg dry	5.8	23	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
95-47-6	o-Xylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	12	23	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
100-42-5	Styrene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
108-88-3	Toluene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.8	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS

Sample Information

Client Sample ID: **SB-1 (4-8')** **York Sample ID:** **13F0576-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/kg dry	17	35	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 00:42	SS

Semi-Volatiles, PAH Target List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	148	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
83-32-9	Acenaphthene	ND		ug/kg dry	69.9	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	92.8	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
120-12-7	Anthracene	ND		ug/kg dry	106	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
56-55-3	**Benzo(a)anthracene**	**270**		ug/kg dry	72.3	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
50-32-8	**Benzo(a)pyrene**	**284**		ug/kg dry	76.5	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
205-99-2	**Benzo(b)fluoranthene**	**230**		ug/kg dry	162	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
191-24-2	**Benzo(g,h,i)perylene**	**112**	J	ug/kg dry	64.2	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
207-08-9	**Benzo(k)fluoranthene**	**260**		ug/kg dry	193	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
218-01-9	**Chrysene**	**274**		ug/kg dry	88.9	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	77.7	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
206-44-0	**Fluoranthene**	**511**		ug/kg dry	113	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
86-73-7	Fluorene	ND		ug/kg dry	92.8	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**113**	J	ug/kg dry	88.1	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.5	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
85-01-8	**Phenanthrene**	**256**		ug/kg dry	101	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR
129-00-0	**Pyrene**	**658**		ug/kg dry	78.8	193	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 13:50	SR

Metals, RCRA

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**6.08**		mg/kg dry	0.394	1.16	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:05	MW
7440-39-3	**Barium**	**78.5**		mg/kg dry	0.151	0.580	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:05	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.116	0.580	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:05	MW
7440-47-3	**Chromium**	**17.8**		mg/kg dry	0.139	0.580	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:05	MW
7439-92-1	**Lead**	**78.8**		mg/kg dry	0.197	0.348	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:05	MW
7782-49-2	**Selenium**	**3.96**		mg/kg dry	0.580	0.580	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:05	MW
7440-22-4	Silver	ND		mg/kg dry	0.116	0.580	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:05	MW

Sample Information

Client Sample ID: **SB-1 (4-8')** **York Sample ID:** **13F0576-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Mercury by 7470/7471

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0383	0.0383	1	EPA SW846-7471	06/20/2013 09:11	06/21/2013 12:08	AA

Total Solids

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**86.3**		%	0.100	0.100	1	SM 2540G	06/19/2013 13:24	06/20/2013 11:13	AMC

Sample Information

Client Sample ID: **SB-2 (6'-8')** **York Sample ID:** **13F0576-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS

Sample Information

Client Sample ID: SB-2 (6'-8')

York Sample ID: 13F0576-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	60	120	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
67-64-1	**Acetone**	**3.8**	J, B	ug/kg dry	3.0	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
71-43-2	Benzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
108-86-1	Bromobenzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
75-25-2	Bromoform	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
67-66-3	Chloroform	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
75-09-2	Methylene chloride	ND		ug/kg dry	3.0	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
91-20-3	Naphthalene	ND		ug/kg dry	3.0	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS

Sample Information

Client Sample ID: **SB-2 (6'-8')** **York Sample ID:** **13F0576-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.0	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
100-42-5	Styrene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
127-18-4	**Tetrachloroethylene**	**130**		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
108-88-3	Toluene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.0	6.0	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.9	18	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 01:21	SS

Semi-Volatiles, PAH Target List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	152	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR
83-32-9	Acenaphthene	ND		ug/kg dry	71.8	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	95.2	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR
120-12-7	Anthracene	ND		ug/kg dry	108	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR
56-55-3	**Benzo(a)anthracene**	**204**		ug/kg dry	74.2	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR
50-32-8	**Benzo(a)pyrene**	**258**		ug/kg dry	78.6	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR
205-99-2	**Benzo(b)fluoranthene**	**215**		ug/kg dry	166	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR
191-24-2	**Benzo(g,h,i)perylene**	**87.3**	J	ug/kg dry	65.9	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR
207-08-9	**Benzo(k)fluoranthene**	**235**		ug/kg dry	198	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR
218-01-9	**Chrysene**	**213**		ug/kg dry	91.3	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	79.8	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR
206-44-0	**Fluoranthene**	**376**		ug/kg dry	116	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR
86-73-7	Fluorene	ND		ug/kg dry	95.2	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**95.2**	J	ug/kg dry	90.5	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR
91-20-3	Naphthalene	ND		ug/kg dry	48.8	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR

Sample Information

Client Sample ID: SB-2 (6'-8') **York Sample ID:** 13F0576-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Semi-Volatiles, PAH Target List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	**Phenanthrene**	**231**		ug/kg dry	104	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR
129-00-0	**Pyrene**	**491**		ug/kg dry	80.9	198	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 14:21	SR

Metals, RCRA

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**3.81**		mg/kg dry	0.405	1.19	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:10	MW
7440-39-3	**Barium**	**83.5**		mg/kg dry	0.155	0.595	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:10	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.119	0.595	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:10	MW
7440-47-3	**Chromium**	**13.6**		mg/kg dry	0.143	0.595	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:10	MW
7439-92-1	**Lead**	**40.8**		mg/kg dry	0.202	0.357	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:10	MW
7782-49-2	**Selenium**	**2.74**		mg/kg dry	0.595	0.595	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:10	MW
7440-22-4	Silver	ND		mg/kg dry	0.119	0.595	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:10	MW

Mercury by 7470/7471

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0393	0.0393	1	EPA SW846-7471	06/20/2013 09:11	06/21/2013 12:08	AA

Total Solids

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**84.0**		%	0.100	0.100	1	SM 2540G	06/19/2013 13:24	06/20/2013 11:13	AMC

Sample Information

Client Sample ID: SB-3 (6'-8') **York Sample ID:** 13F0576-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS

Sample Information

Client Sample ID: **SB-3 (6'-8')** **York Sample ID:** **13F0576-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List **Log-in Notes:** **VOA-CONT** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	110	220	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
78-93-3	2-Butanone	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
67-64-1	**Acetone**	**40**	B	ug/kg dry	5.6	22	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
71-43-2	Benzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
108-86-1	Bromobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
75-25-2	Bromoform	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
74-83-9	Bromomethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS

Sample Information

Client Sample ID: **SB-3 (6'-8')** **York Sample ID:** **13F0576-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List **Log-in Notes:** **VOA-CONT** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
67-66-3	Chloroform	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
74-87-3	Chloromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
74-95-3	Dibromomethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
75-09-2	**Methylene chloride**	**8.4**	J	ug/kg dry	5.6	22	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
91-20-3	Naphthalene	ND		ug/kg dry	5.6	22	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
95-47-6	o-Xylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
100-42-5	Styrene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
127-18-4	**Tetrachloroethylene**	**22**		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
108-88-3	Toluene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	17	34	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:01	SS

Sample Information

Client Sample ID: **SB-3 (6'-8')** **York Sample ID:** **13F0576-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Semi-Volatiles, PAH Target List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	1440	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
83-32-9	Acenaphthene	ND		ug/kg dry	678	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	898	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
120-12-7	Anthracene	ND		ug/kg dry	1020	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
56-55-3	**Benzo(a)anthracene**	**2670**		ug/kg dry	700	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
50-32-8	**Benzo(a)pyrene**	**2950**		ug/kg dry	741	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
205-99-2	**Benzo(b)fluoranthene**	**2310**		ug/kg dry	1570	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	621	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
207-08-9	**Benzo(k)fluoranthene**	**2280**		ug/kg dry	1870	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
218-01-9	**Chrysene**	**2950**		ug/kg dry	861	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	752	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
206-44-0	**Fluoranthene**	**4240**		ug/kg dry	1100	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
86-73-7	Fluorene	ND		ug/kg dry	898	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1760**	J	ug/kg dry	854	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
91-20-3	Naphthalene	ND		ug/kg dry	460	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
85-01-8	**Phenanthrene**	**2080**		ug/kg dry	977	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR
129-00-0	**Pyrene**	**4370**		ug/kg dry	764	1870	10	EPA SW-846 8270C	06/19/2013 14:24	06/24/2013 15:39	SR

Metals, RCRA

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**5.43**		mg/kg dry	0.382	1.12	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:39	MW
7440-39-3	**Barium**	**105**		mg/kg dry	0.146	0.562	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:39	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.112	0.562	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:39	MW
7440-47-3	**Chromium**	**16.4**		mg/kg dry	0.135	0.562	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:39	MW
7439-92-1	**Lead**	**270**		mg/kg dry	0.191	0.337	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:39	MW
7782-49-2	**Selenium**	**3.23**		mg/kg dry	0.562	0.562	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:39	MW
7440-22-4	Silver	ND		mg/kg dry	0.112	0.562	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:39	MW

Sample Information

Client Sample ID: SB-3 (6'-8') **York Sample ID:** 13F0576-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Mercury by 7470/7471

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0371	0.0371	1	EPA SW846-7471	06/20/2013 09:11	06/21/2013 12:08	AA

Total Solids

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**89.0**		%	0.100	0.100	1	SM 2540G	06/19/2013 13:24	06/20/2013 11:13	AMC

Sample Information

Client Sample ID: SB-4 (4-8') **York Sample ID:** 13F0576-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS

Sample Information

Client Sample ID: **SB-4 (4-8')** **York Sample ID:** **13F0576-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List **Log-in Notes:** **VOA-CONT** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	110	220	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
78-93-3	2-Butanone	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
67-64-1	**Acetone**	**12**	J, B	ug/kg dry	5.6	22	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
71-43-2	Benzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
108-86-1	Bromobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
75-25-2	Bromoform	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
74-83-9	Bromomethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
75-00-3	Chloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
67-66-3	Chloroform	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
74-87-3	Chloromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
74-95-3	Dibromomethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.6	22	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
91-20-3	Naphthalene	ND		ug/kg dry	5.6	22	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS

Sample Information

Client Sample ID: **SB-4 (4-8')** **York Sample ID:** **13F0576-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
100-42-5	Styrene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
127-18-4	**Tetrachloroethylene**	**210**		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
108-88-3	Toluene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	17	33	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 02:41	SS

Semi-Volatiles, PAH Target List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	285	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR
83-32-9	Acenaphthene	ND		ug/kg dry	134	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	178	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR
120-12-7	Anthracene	ND		ug/kg dry	203	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR
56-55-3	**Benzo(a)anthracene**	**318**	J	ug/kg dry	139	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR
50-32-8	**Benzo(a)pyrene**	**428**		ug/kg dry	147	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR
205-99-2	**Benzo(b)fluoranthene**	**367**	J	ug/kg dry	311	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	123	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	371	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR
218-01-9	**Chrysene**	**359**	J	ug/kg dry	171	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	149	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR
206-44-0	**Fluoranthene**	**402**		ug/kg dry	218	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR
86-73-7	Fluorene	ND		ug/kg dry	178	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	169	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR
91-20-3	Naphthalene	ND		ug/kg dry	91.3	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR

Sample Information

Client Sample ID: SB-4 (4-8') **York Sample ID:** 13F0576-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Semi-Volatiles, PAH Target List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/kg dry	194	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR
129-00-0	**Pyrene**	**734**		ug/kg dry	151	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:23	SR

Metals, RCRA

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**2.65**		mg/kg dry	0.379	1.11	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:43	MW
7440-39-3	**Barium**	**47.9**		mg/kg dry	0.145	0.557	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:43	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.111	0.557	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:43	MW
7440-47-3	**Chromium**	**11.5**		mg/kg dry	0.134	0.557	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:43	MW
7439-92-1	**Lead**	**60.4**		mg/kg dry	0.189	0.334	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:43	MW
7782-49-2	**Selenium**	**1.58**		mg/kg dry	0.557	0.557	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:43	MW
7440-22-4	Silver	ND		mg/kg dry	0.111	0.557	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:43	MW

Mercury by 7470/7471

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0367	0.0367	1	EPA SW846-7471	06/20/2013 09:11	06/21/2013 12:08	AA

Total Solids

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**89.8**		%	0.100	0.100	1	SM 2540G	06/19/2013 13:24	06/20/2013 11:13	AMC

Sample Information

Client Sample ID: SB-5 (6'-8') **York Sample ID:** 13F0576-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS

Sample Information

Client Sample ID: **SB-5 (6'-8')** **York Sample ID:** **13F0576-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List **Log-in Notes:** **VOA-CONT** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	110	220	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
78-93-3	2-Butanone	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
67-64-1	**Acetone**	**13**	J, B	ug/kg dry	5.6	22	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
71-43-2	Benzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
108-86-1	Bromobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
75-25-2	Bromoform	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
74-83-9	Bromomethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS

Sample Information

Client Sample ID: **SB-5 (6'-8')** **York Sample ID:** **13F0576-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List **Log-in Notes:** **VOA-CONT** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
67-66-3	Chloroform	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
74-87-3	Chloromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
74-95-3	Dibromomethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.6	22	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
91-20-3	Naphthalene	ND		ug/kg dry	5.6	22	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
95-47-6	o-Xylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	11	22	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
100-42-5	Styrene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
127-18-4	**Tetrachloroethylene**	**44**		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
108-88-3	Toluene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.6	11	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	17	33	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 03:20	SS

Sample Information

Client Sample ID: **SB-5 (6'-8')** **York Sample ID:** **13F0576-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Semi-Volatiles, PAH Target List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	285	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
83-32-9	Acenaphthene	ND		ug/kg dry	134	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	178	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
120-12-7	Anthracene	ND		ug/kg dry	203	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
56-55-3	**Benzo(a)anthracene**	**470**		ug/kg dry	139	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
50-32-8	**Benzo(a)pyrene**	**589**		ug/kg dry	147	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
205-99-2	**Benzo(b)fluoranthene**	**532**		ug/kg dry	311	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	123	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
207-08-9	**Benzo(k)fluoranthene**	**587**		ug/kg dry	371	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
218-01-9	**Chrysene**	**505**		ug/kg dry	171	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	149	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
206-44-0	**Fluoranthene**	**726**		ug/kg dry	217	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
86-73-7	Fluorene	ND		ug/kg dry	178	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	169	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
91-20-3	Naphthalene	ND		ug/kg dry	91.3	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
85-01-8	**Phenanthrene**	**531**		ug/kg dry	194	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR
129-00-0	**Pyrene**	**1120**		ug/kg dry	151	371	2	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 15:54	SR

Metals, RCRA

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**2.78**		mg/kg dry	0.378	1.11	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:48	MW
7440-39-3	**Barium**	**48.8**		mg/kg dry	0.145	0.556	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:48	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.111	0.556	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:48	MW
7440-47-3	**Chromium**	**15.1**		mg/kg dry	0.134	0.556	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:48	MW
7439-92-1	**Lead**	**35.5**		mg/kg dry	0.189	0.334	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:48	MW
7782-49-2	**Selenium**	**2.62**		mg/kg dry	0.556	0.556	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:48	MW
7440-22-4	Silver	ND		mg/kg dry	0.111	0.556	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:48	MW

Sample Information

Client Sample ID: SB-5 (6'-8') **York Sample ID:** 13F0576-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Mercury by 7470/7471

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0367	0.0367	1	EPA SW846-7471	06/20/2013 09:11	06/21/2013 12:08	AA

Total Solids

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**89.9**		%	0.100	0.100	1	SM 2540G	06/19/2013 13:24	06/20/2013 11:13	AMC

Sample Information

Client Sample ID: SB-6 (4-8') **York Sample ID:** 13F0576-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS

Sample Information

Client Sample ID: SB-6 (4-8')

York Sample ID: 13F0576-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	120	240	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
78-93-3	2-Butanone	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
67-64-1	Acetone	ND		ug/kg dry	5.9	24	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
71-43-2	Benzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
108-86-1	Bromobenzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
75-25-2	Bromoform	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
74-83-9	Bromomethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
75-00-3	Chloroethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
67-66-3	Chloroform	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
74-87-3	Chloromethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
74-95-3	Dibromomethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.9	24	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
91-20-3	Naphthalene	ND		ug/kg dry	5.9	24	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS

Sample Information

Client Sample ID: SB-6 (4-8')

York Sample ID: 13F0576-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Volatile Organics, 8260 List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	12	24	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
100-42-5	Styrene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
127-18-4	**Tetrachloroethylene**	**6.4**	J	ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
108-88-3	Toluene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.9	12	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	18	35	1	EPA SW846-8260B	06/20/2013 08:05	06/21/2013 04:00	SS

Semi-Volatiles, PAH Target List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	151	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR
83-32-9	Acenaphthene	ND		ug/kg dry	71.2	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	94.5	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR
120-12-7	Anthracene	ND		ug/kg dry	107	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	73.6	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	77.9	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	165	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	65.3	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	197	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR
218-01-9	Chrysene	ND		ug/kg dry	90.5	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	79.1	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR
206-44-0	Fluoranthene	ND		ug/kg dry	115	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR
86-73-7	Fluorene	ND		ug/kg dry	94.5	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	89.7	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR
91-20-3	Naphthalene	ND		ug/kg dry	48.4	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR

Sample Information

Client Sample ID: SB-6 (4-8') **York Sample ID:** 13F0576-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13F0576	48-51 47th Ave.	Soil	June 14, 2013 3:00 pm	06/18/2013

Semi-Volatiles, PAH Target List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/kg dry	103	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR
129-00-0	Pyrene	ND		ug/kg dry	80.3	197	1	EPA SW-846 8270C	06/19/2013 14:24	06/20/2013 16:25	SR

Metals, RCRA

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**6.14**		mg/kg dry	0.401	1.18	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:53	MW
7440-39-3	**Barium**	**70.8**		mg/kg dry	0.153	0.590	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:53	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.118	0.590	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:53	MW
7440-47-3	**Chromium**	**21.8**		mg/kg dry	0.142	0.590	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:53	MW
7439-92-1	**Lead**	**23.4**		mg/kg dry	0.201	0.354	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:53	MW
7782-49-2	**Selenium**	**4.08**		mg/kg dry	0.590	0.590	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:53	MW
7440-22-4	Silver	ND		mg/kg dry	0.118	0.590	1	EPA SW846-6010B	06/19/2013 15:16	06/19/2013 20:53	MW

Mercury by 7470/7471

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0390	0.0390	1	EPA SW846-7471	06/20/2013 09:11	06/21/2013 12:08	AA

Total Solids

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**84.7**		%	0.100	0.100	1	SM 2540G	06/19/2013 13:24	06/20/2013 11:13	AMC

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13F0576-01	SB-1 (4-8')	4 oz. WM Clear Glass Cool to 4° C
13F0576-02	SB-2 (6'-8')	4 oz. WM Clear Glass Cool to 4° C
13F0576-03	SB-3 (6'-8')	4 oz. WM Clear Glass Cool to 4° C
13F0576-04	SB-4 (4-8')	4 oz. WM Clear Glass Cool to 4° C
13F0576-05	SB-5 (6'-8')	4 oz. WM Clear Glass Cool to 4° C
13F0576-06	SB-6 (4-8')	4 oz. WM Clear Glass Cool to 4° C

Notes and Definitions

VOA-CONTNON-COMPLIANT- the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A or NYSDOH ELAP. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.

B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 13F0576

Client Information	Report To:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverables
Company: JADE	Company: JADE	Company: JADE	43-5147B Ave	24 hr ____	Summary ✓ QA/QC Summary ____ Results Only
Address: Hopewell Jct, NY	Address:	Address:	Purchase Order No.	48 hr ____	RCP Package ____ ASP B Pkg ____
Phone No. 914 882 6074	Phone No.	Phone No.		72 hr ____	ASP A Pkg ____ Excel format ____
Contact Person: DAVE PELLETIER	Attention:	Attention:		5 Day ____	EDD ____ OTHER ____
E-Mail Address:	E-Mail Address:	E-Mail Address:		Standard ✓	

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

DAVE PELLETIER
Name (printed)

Matrix Codes
S - soil
Other - specify (oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS	SPLP or TCLP	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Nassau Co.	PAH	App. IX	Total	TPH 418.1	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP	Oxygenates	TCL list	TCLP Pest	Indv. Metals	Air STARS	Part 360-Expanded	BTU/lb.	Tot. Phos.	COD
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Cd	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe,	Air TICs	NYCDEPSewer	TOC	F.O.G.	Total Solids
App.IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu,	Methane	NYSDECSewer	Asbestos	pH	TDS
8021B list	5035	TCLP BNA	608 PCB	Na, Mn, Ar, etc	Helium	TAGM	Silica	MBAS	TPH-IR

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SB-1 (4-8')	6/14/13	Soil	VOC x 8260, PAH's x 8270, RCRA METALS	4oz
SB-2 (6'-8')	↓	↓	↓	↓
SB-3 (6'-8')	↓	↓	↓	↓
SB-4 (4-8')	↓	↓	↓	↓
SB-5 (6'-8')	↓	↓	↓	↓
SB-6 (4-8')	↓	↓	↓	↓

Comments

Preservation Check those Applicable							
4°C ____ Frozen ____ HCl MeOH	4°C ____	4°C ____	HNO3 ____ 4°C	4°C ____ H2SO4 ____	4°C ____ Other	4°C ____ H2SO4 ____ NaOH ____ ZnAc Ascorbic Other	

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
		[illegible]	6-18-13 9:50
	6/18/13	[illegible]	6-18-13 1530
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time

Temperature on Receipt 5.0 °C