Appendix I
Waste Characterization Documentation

April 3, 2018

Levi Balkany
Bespoke Harlem West LLC
884 Eastern Parkway
Brooklyn, New York 11101

Re: Waste Characterization Report
300 West 122nd Street
New York, New York
NYSDEC BCP Site No. C231067
Langan Project No.: 170500202

Dear Mr. Balkany:

We prepared this Waste Characterization Report in support of the planned development at 300 West 122nd Street (Borough of Manhattan Block 1948, Lots 30 and 35) in New York, NY (the site). A site location map is provided as Figure 1. The purpose of the waste characterization is to provide information and data related to the management and disposal of excess soil generated during construction; the data can be used to gain approval from facilities for disposal of excavated material. The data will also support the Volunteer in meeting their requirements to remediate the site in accordance with a New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Agreement (BCA). The report includes a description of the sampling methodology, a soil boring location plan, a sample summary, field observations and results, tabulated summaries of laboratory analytical results, soil boring logs, and laboratory data packages.

PREVIOUS ENVIRONMENTAL REPORTS

Previous environmental studies and reports prepared for the site include:

- *Limited Subsurface Investigation Report, dated September 2010, prepared by Environmental Business Consultants (EBC)*
- *Update to Limited Subsurface Investigation Report, dated January 27, 2011, prepared by EBC*
- *Interim Remedial Measure Completion Report for the Former Shell Service Center and Parking Garage Site, dated November 2013, prepared by EBC*
- *Remedial Investigation Report for the Former Shell Service Center and Parking Garage Site, dated February 2014, prepared by EBC*
- *Remedial Action Work Plan for the Former Shell Service Center and Parking Garage Site, dated February 2014, prepared by EBC*
- *Decision Document for the Former Shell Service Center and Parking Garage Site, dated February 2014, prepared by NYSDEC*

The site is in the NYSDEC Brownfield Cleanup Program (Site No. C231067); additional data regarding subsurface conditions may be made available in the future under this program. The information presented in these documents and any other future documents generated under the BCP should be considered in conjunction with the findings of this study when evaluating the subsurface material proposed for excavation and disposal. The site was the subject of multiple subsurface investigations completed by various consultants before 2010; the results of these investigations are included in the Remedial Investigation Report prepared by EBC.

REMEDIAL EXCAVATION AND THE PROPOSED DEVELOPMENT

The proposed development includes a 13-story residential building with first-floor commercial space. Remedial excavation will extend to at least 16 feet below grade surface (bgs) (excavation depth) across the entire site to meet the proposed Track 1 remedy; instead of backfilling the remedial excavation area, a cellar level will be constructed to 16 feet bgs across the entire site.

WASTE CHARACTERIZATION

Sampling Methodology

The site was first divided into four approximately 3,000-square-foot sampling grids (WC01 and WC02 [Lot 35] and WC03 and WC04 [Lot 30]). Three soil borings were completed within each grid using Geoprobe® 7822DT and 7830DT direct-push drill rigs to collect representative samples of historic fill and/or native soil at intervals of 0-5 feet bgs, 5-10 feet bgs, and 10-16 feet bgs within grids WC01 and WC02 and at the interval of 13-16 feet bgs within grids WC03 and WC04. The former cellar of the parking garage building on Lot 30 extends to about 13 feet bgs based on previous reports and is expected to contain building demolition debris; therefore, no soil samples were collected from borings within grids WC03 and WC04 between ground surface and about 13 feet bgs. A total of twelve soil borings (LB01 through LB12) were drilled to about 18 feet bgs, including:

- LB03, LB05 and LB10 (Grid WC01)
- LB02, LB04 and LB07 (Grid WC02)
- LB06, LB09 and LB12 (Grid WC03)
- LB01, LB08 and LB11 (Grid WC04)

Soil boring locations are presented in Figure 2. At each soil boring location, soil cores were collected from grade to about 18 feet bgs; then, each core was screened for volatile organic compounds (VOCs) with a photoionization detector (PID), inspected for visual and olfactory evidence of a chemical or petroleum release, and classified by Langan field staff. Soil boring logs are included as Attachment 1.

Eight soil sample sets, each consisting of one grab and one composite sample, were collected for laboratory analysis. The composite samples were created by homogenizing five random grab samples collected from the three soil borings in each grid interval described above; aliquots of each grab sample were also sent to the laboratory as discrete samples and placed

on hold pending the results of the composite samples. Grab soil samples submitted for VOC analysis were collected using TerraCore™ sampling kits.

One field duplicate sample set, one field blank sample and two trip blanks were collected and analyzed for quality assurance/quality control (QA/QC) purposes. Soil samples were analyzed for the following parameters:

- Grab samples: Target Compound List (TCL) and Toxicity Characteristic Leachate Procedure (TCLP) volatile organic compounds (VOCs) and extractable petroleum hydrocarbons (EPH)

- Composite samples: TCL/TCLP semivolatile organic compounds (SVOCs), pesticides, and herbicides, polychlorinated biphenyls (PCBs), target analyte list (TAL) metals, cyanide, hexavalent chromium, trivalent chromium, TCLP metals, and Resource Conservation and Recovery Act (RCRA) characteristics (ignitability, corrosivity, reactivity [cyanide and sulfide])

- One composite: paint filter

- Field blanks: VOCs and EPH, SVOCs, PCBs, pesticides, herbicides, metals, cyanide, hexavalent chromium, and trivalent chromium

- Trip blanks: VOCs

One groundwater monitoring well (LMW-16) was installed to facilitate the collection of a groundwater sample for laboratory analysis of New York City Department of Environmental Protection (NYCDEP) sewer discharge effluent parameters. The monitoring well was constructed using 2-inch diameter polyvinyl chloride (PVC) riser pipe with 25-foot long, 0.02-inch slotted well screens placed across the observed groundwater table. The well annulus around the screen was backfilled with clean sand to about 2 feet above the top of the screen. A 2-foot thick bentonite seal was installed above the sand, and the borehole annulus was backfilled with non-impacted soil cuttings up to the ground surface. The well was finished with flush-mounted manhole cover set in concrete. Following installation, the well was developed by surging and purging methods and allowed to stabilize for one week before sampling. Before sampling, the well was gauged for static water level and purged. Physical and chemical parameters (e.g., temperature, dissolved oxygen, oxygen reduction potential, pH, turbidity) were monitored until parameters stabilized within the ranges specified in the US Environmental Protection Agency's (USEPA) *Low Stress Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells*, dated July 30, 1996 (Revised January 19, 2010). Samples were collected with a submersible monsoon pump and dedicated polyethylene tubing. A monitoring well construction log and sampling log is included as Attachment 2.

Soil, groundwater, and QA/QC samples were containerized in laboratory-supplied glassware and were submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory (Alpha Analytical Inc. of Westborough, MA Laboratories [ELAP ID #11148]) via courier service under standard chain-of-

custody protocols for laboratory analysis. A sample summary is provided as Table 1. The laboratory analytical data reports are provided as Attachment 3.

Observations and Analytical Results

The stratigraphy underlying Lot 35 consists of a 11- to 14-foot thick layer of historic fill composed of varying amounts of sand, gravel, slag, brick, coal, concrete, and timber below surface grade. The historic fill is underlain by native soil consisting of brown to reddish-brown medium sand with varying amounts of coarse sand and fine gravel. The stratigraphy underlying Lot 30 is expected to contain building demolition debris to about 13 feet bgs; historic fill followed by native soil was encountered below 13 feet bgs. The highest PID reading recorded during the characterization was 0.2 parts per million (ppm) at soil boring LB08 from 10 to 11 feet bgs. Depth to groundwater in monitoring well LMW-16 was measured at 22 feet bgs. The well headspace reading at the time of groundwater sampling was about 157 ppm and a petroleum-like sheen was observed on purged groundwater.

In accordance with revisions to the NYSDEC Part 360 regulations that took effect on November 4, 2017, soil sample analytical results were compared to the lower of the following Title 6 New York Codes, Rules and Regulations (6 NYCRR) Part 375, Table 6.8(b) Restricted Use Soil Cleanup Objectives (SCOs):

- Residential (RUR)
- Protection of Groundwater (PGW)

TCLP sample results were compared to the Title 40 Code of Federal Regulations (CFR) Subpart C and Table 1 of 40 CFR 261.24 – Maximum Concentration of Contaminants for the Toxicity Characteristic. Soil sample analytical results, including QA/QC duplicate grab and composite samples, are included in Tables 2 through 5. Groundwater sample analytical results are included in Table 6. QA/QC samples (field blanks and trip blanks) are included in Table 7.

VOCs exceeded the lower of RUR and Protection of Groundwater (PGW) SCOs in three grab samples (including the duplicate). SVOCs exceeded the lower of the RUR and PGW SCOs in five composite samples. Two metals, lead and mercury, exceeded the lower of the RUR and PGW SCOs in one or more composite samples. No PCBs, pesticides, or herbicides exceeded the lower of the RUR and PGW SCOs. No metals exceeded the maximum concentration for the toxicity characteristic in any composite sample.

The groundwater sample results were compared to the NYCDEP Limitations for Effluent to Sanitary or Combined Sewers. No parameters were detected above the discharge criteria.

Material excavated as part of construction, represented within the limits of this waste characterization study, should be managed as a non-hazardous solid waste in New York State. Excavated soil should be handled and transported to a disposal or reuse facility that is permitted to accept this material in accordance with applicable local, state, and federal regulations. Trucks used to haul material off site must have a valid Part 364 transporter permit.

LIMITATIONS

This report was prepared expressly for Bespoke Harlem West LLC and for the objectives defined herein. Langan cannot assume responsibility for the use of this report for any site other than the specific site addressed in this report, or by any third party without specific written authorization from Langan.

The design of our sampling program is not intended to meet the specific requirements of all receiving facilities and the selected waste disposal contractor may be required to perform additional sampling and analysis. The sampling frequency and analytical parameter list are conservative and based on typical receiving facility requirements.

The results provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples. Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. Actual subsurface conditions encountered may differ substantially from those presented herein and should be promptly brought to the attention of the owner and to Langan. Based on the facility selected or on field observations during construction, the contractor may be required to collect additional samples and have additional laboratory analysis completed. Langan is in no way responsible for the waste characterization grids, including marking out, maintaining or ensuring the accuracy of the grid. Handling, characterizing, marking out grids, excavating, transporting and disposing of excavated material is solely the responsibility of the contractor.

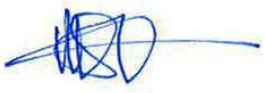
CLOSING

Should you have any questions regarding the findings presented in this report, please feel free to call us at 212-479-5441.

Please contact me with any questions or comments.

Sincerely,

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

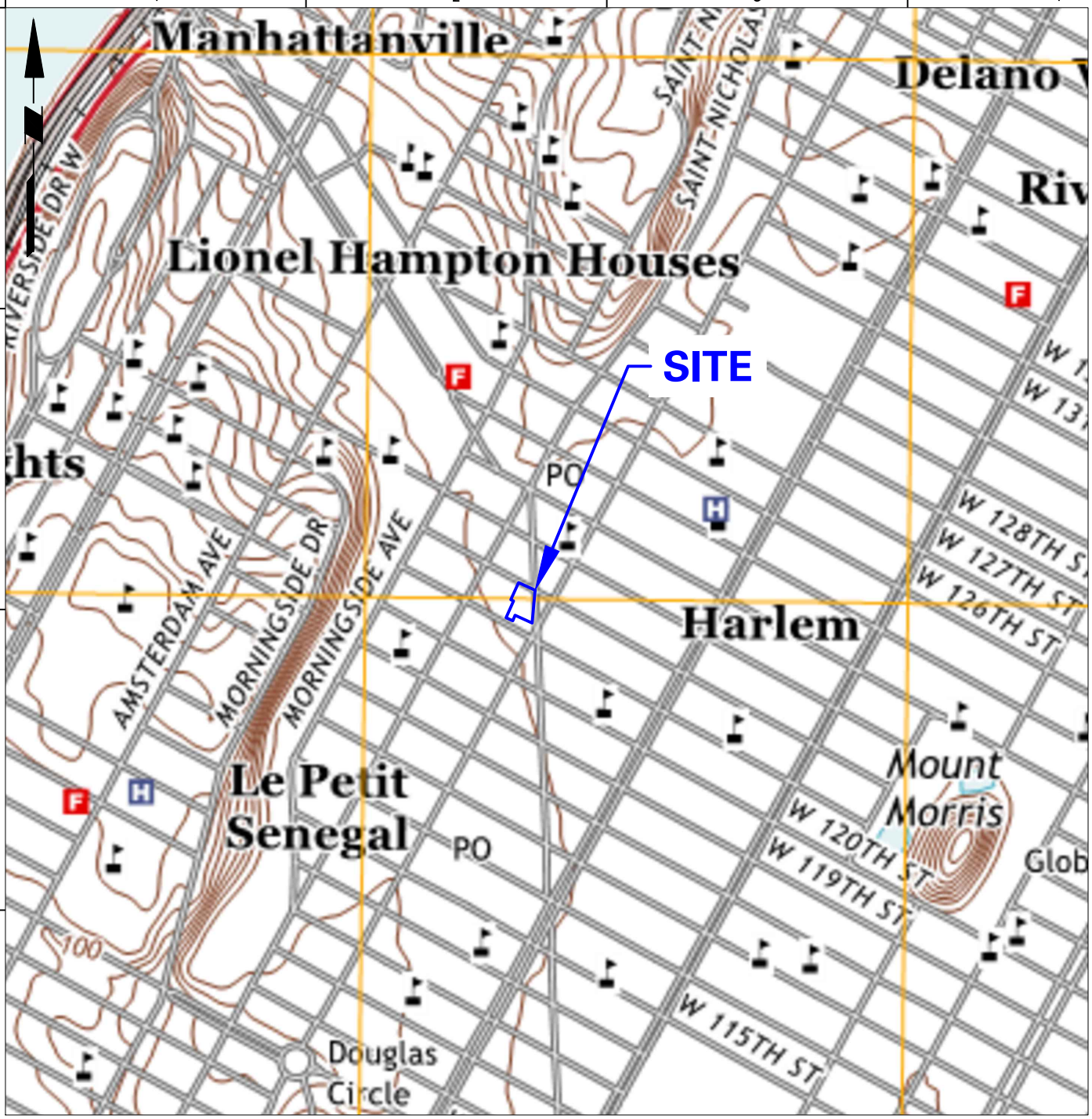


Mimi S. Raygorodetsky
Senior Associate/Vice President

cc: G. Wyka, J. Leung (Langan)

Enclosure(s): Figure 1 – Site Location Map
Figure 2 –Waste Characterization Sampling Location Plan
Table 1 – Sample Summary
Table 2 – Grab Soil Sample Analytical Results – VOCs and EPH
Table 3 – Composite Soil Sample Analytical Results – SVOCs
Table 4 – Composite Soil Sample Analytical Results – Inorganics, PCBs, Pesticides, Herbicides
Table 5 – Composite Soil Sample Analytical Results – TCLP and RCRA Characteristics
Table 6 – Groundwater Sample Analytical Results
Table 7 – QA/QC Sample Analytical Results
Attachment 1 – Soil Boring Logs
Attachment 2 – Monitoring Well Construction Log and Sampling Log
Attachment 3 – Laboratory Analytical Data Reports

FIGURES



LEGEND:

APPROXIMATE SITE BOUNDARY

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

NOTES:

BASE PLAN TAKEN FROM THE QUADRANGLE MAPS OF JERSEY CITY, WEEHAWKEN, BROOKLYN, AND CENTRAL PARK PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY IN 2016.

1000 0 500 1000

SCALE IN FEET

LANGAN

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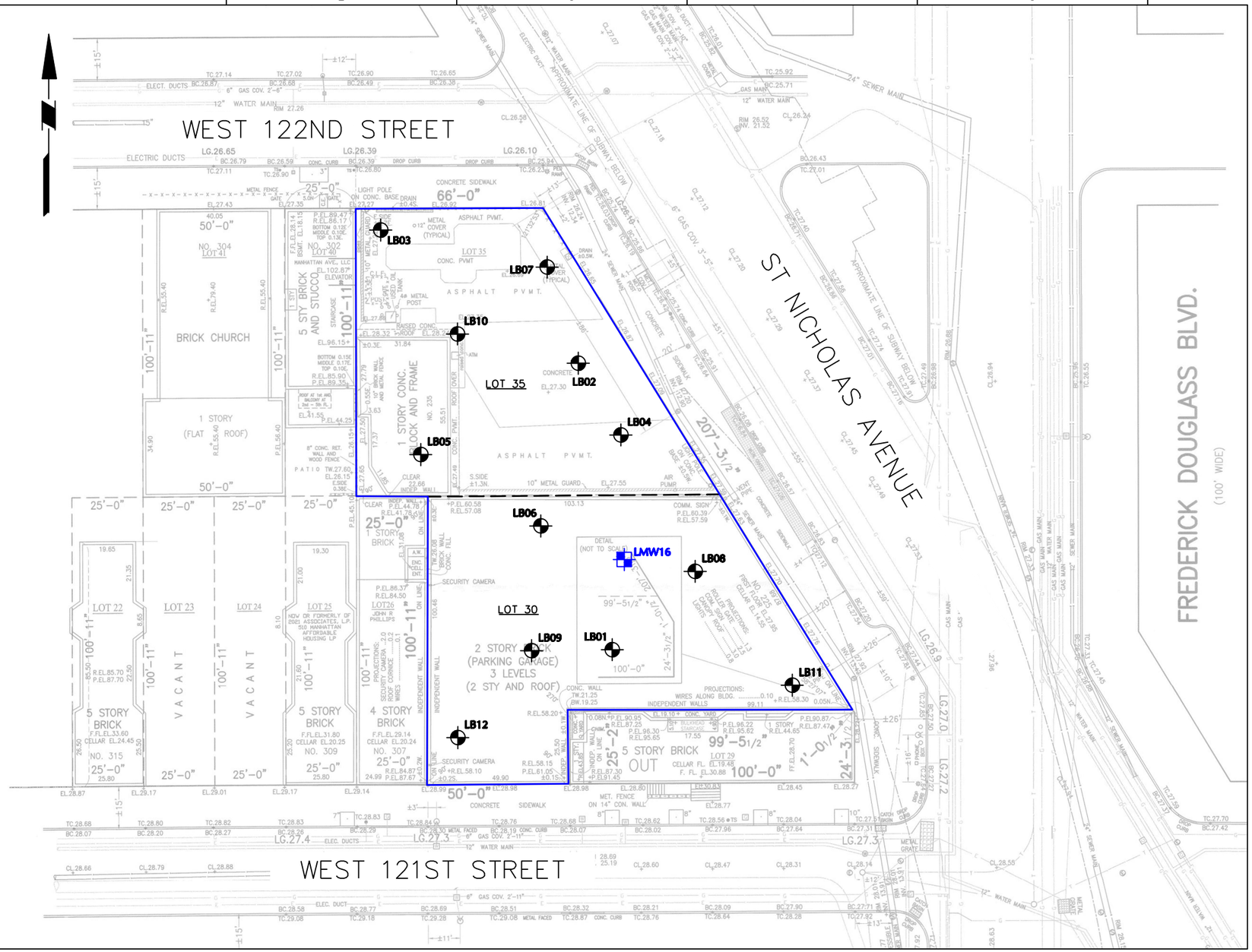
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Project	300 WEST 122ND STREET BLOCK No. 1948, LOT Nos. 30 & 35 MANHATTAN NEW YORK NEW YORK
Figure Title	SITE LOCATION MAP
Project No.	170500202
Date	03/23/2018
Scale	1" = 1000'
Drawn By	JFY
Checked By	GCW
Figure No.	1
Sheet	1 of 2

© 2017 Langan

Filename: \\langan.com\data\NY\data2\170500201\Project Data\CAD\01\SheetFiles\Environmental\Waste Characterization\Figure 1 - Site Location Plan.dwg Date: 3/23/2018 Time: 08:29 User: gwyka Style Table: Langan.stb Layout: FIGURE 1 SITE LOCATION



LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LOT BOUNDARY
- LB01 — BORING LOCATION AND ID
- LMW16 — MONITORING WELL LOCATION AND ID

GENERAL NOTES

1. BASE MAP SOURCE: ARCHITECTURAL SURVEY PREPARED BY JOSEPH NICOLETTI ASSOCIATES DATED DECEMBER 20, 2013.
2. SITE BUILDINGS WERE DEMOLISHED CIRCA 2015.
3. LOCATIONS AND BOUNDARIES ARE APPROXIMATE.

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Project
300 WEST 122ND STREET
BLOCK No. 1948, LOT Nos. 30 & 35
MANHATTAN
NEW YORK **NEW YORK**

Figure Title
WASTE CHARACTERIZATION SAMPLING LOCATION PLAN

Project No. 170500202	Figure No. 2
Date 3/23/2018	
Scale 1" = 40'	
Drawn By JFY / Checked By GCW	
Submission Date	Sheet 2 of 2

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Filename: \\langan.com\data\NYC\data2\170500201\Project Data\CAD\01\SheetFiles\Environmental\Waste Characterization\Figure 2 - WC Sampling Location Plan..dwg Date: 4/2/2018 Time: 12:33 User: wkim Style Table: Langan.stb Layout: ANSIB-BL

TABLES

Table 1
Sample Summary
Waste Characterization Report
300 West 122nd Street
New York, NY
Langan Project No. 170500202

Sample ID	Location ID	Sample Date	Sample Depth Interval (feet bgs)	Parameters
GRAB SOIL SAMPLES				
WC01_GRAB_LB05_1-3	LB05	3/8/2018	1-3	TCL/TCLP VOCs, EPH
WC01_GRAB_LB10_6-8	LB10		6-8	
WC01_GRAB_LB03_10-12	LB03		10-12	
WC02_GRAB_LB04_0-2	LB04		0-2	
WC02_GRAB_LB07_8-10	LB07		8-10	
WC02_GRAB_LB02_13-15	LB02		13-15	
WC03_GRAB_LB12_13-15	LB12	3/12/2018	13-15	
WC04_GRAB_LB08_14-16	LB08		14-16	
COMPOSITE SOIL SAMPLES				
WC01_COMP_0-5	LB03, LB05, LB10	3/8/2018	0-5	TCL and TCLP (SVOCs, pesticides, herbicides), TCL PCBs, TAL metals (incl. hexavalent and trivalent chromium and total cyanide), TCLP metals, RCRA Char. (plus paint filter on WC03_COMP_13-16)
WC01_COMP_5-10			5-10	
WC01_COMP_10-16			10-16	
WC02_COMP_0-5	LB02, LB04, LB07		0-5	
WC02_COMP_5-10			5-10	
WC02_COMP_10-16			10-16	
WC03_COMP_13-16	LB06, LB09, LB12	3/12/2018	13-16	
WC04_COMP_13-16	LB01, LB08, LB11		13-16	
GROUNDWATER SAMPLES				
LMW16_032018	LMW16	3/20/2018	NA	NYCDEP Sewer Discharge Parameters
QA/QC SAMPLES				
WC_GRAB_DUP01	WC03_GRAB_LB12_13-15	3/12/2018	Duplicate sample	TCL/TCLP VOCs, EPH
WC_COMP_DUP01	WC03_COMP_13-16	2/12/2018		TCL and TCLP (SVOCs, pesticides, herbicides), TCL PCBs, TAL metals (incl. hexavalent and trivalent chromium and total cyanide), TCLP metals, RCRA Char.
WC_FB01_031218	NA	2/12/2018	Field blank	VOCs, EPH, SVOCs, PCBs, pesticides, herbicides, metals, cyanide, hexavalent chromium, and trivalent chromium
SO_TB01_030818		3/8/2018	Trip Blank	TCL VOCs
WC_TB02_031218		3/12/2018	Trip Blank	TCL VOCs

Notes:

1. TCL = Target Compound List
2. TCLP = Toxicity Characteristic Leachate Procedure
3. VOC = Volatile Organic Compounds
4. SVOC = Semivolatile Organic Compound
5. PCB = Polychlorinated Biphenyl
6. EPH = Extractable Petroleum Hydrocarbons
7. QA/QC = Quality Assurance/Quality Control
8. NA = Not Applicable
9. bgs = below grade surface
10. RCRA Char. = Resource Conservation and Recovery Act Characteristics
11. NYCDEP = New York City Department of Environmental Protection

Table 2
Grab Soil Sample Analytical Results - VOCs and EPH
Waste Characterization Report
300 West 122nd Street
New York, New York
Langan Project No. 170500201

Sample ID Sampling Date Lab Sample ID Sample Depth (feet bgs)	Lower of the NYSDEC Part 375 RUR and PGW SCOs	WC01_GRAB_LB05_1-3 3/8/2018 L1808297-01 1 to 3		WC01_GRAB_LB03_10-12 3/8/2018 L1808297-03 10 to 12		WC01_GRAB_LB10_6-8 3/8/2018 L1808297-02 6 to 8		WC02_GRAB_LB04_0-2 3/8/2018 L1808297-04 0 to 2		WC02_GRAB_LB02_13-15 3/8/2018 L1808297-06 13 to 15		WC02_GRAB_LB07_8-10 3/8/2018 L1808297-05 8 to 10		WC03_GRAB_LB12_13-15 3/12/2018 L1808531-01 13 to 15		WC_GRAB_DUP01 3/12/2018 L1808531-05 13 to 15		WC04_GRAB_LB08_14-16 3/12/2018 L1808531-02 14 to 16	
Volatile Organic Compounds (mg/kg)																			
1,1,1,2-Tetrachloroethane	~	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U
1,1,1-Trichloroethane	0.68	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U
1,1,2,2-Tetrachloroethane	~	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U
1,1,2-Trichloroethane	~	0.0016	U	0.0012	U	0.0014	U	0.0019	U	0.0014	U	0.0017	U	0.1	U	0.099	U	0.0017	U
1,1-Dichloroethane	0.27	0.0016	U	0.0012	U	0.0014	U	0.0019	U	0.0014	U	0.0017	U	0.1	U	0.099	U	0.0017	U
1,1-Dichloroethene	0.33	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U
1,1-Dichloropropene	~	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
1,2,3-Trichlorobenzene	~	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
1,2,3-Trichloropropane	~	0.011	U	0.0077	U	0.0094	U	0.012	U	0.0092	U	0.012	U	0.7	U	0.66	U	0.011	U
1,2,4,5-Tetramethylbenzene	~	0.0044	U	0.0031	U	0.0038	U	0.005	U	0.0037	U	0.0047	U	0.015	J	0.064	J	0.0044	U
1,2,4-Trichlorobenzene	~	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
1,2,4-Trimethylbenzene	3.6	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.11	J	0.45		0.0056	U
1,2-Dibromo-3-chloropropane	~	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
1,2-Dibromoethane	~	0.0044	U	0.0031	U	0.0038	U	0.005	U	0.0037	U	0.0047	U	0.28	U	0.26	U	0.0044	U
1,2-Dichlorobenzene	1.1	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
1,2-Dichloroethane	0.02	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	*0.07*	U	*0.066*	U	0.0011	U
1,2-Dichloropropane	~	0.0038	U	0.0027	U	0.0033	U	0.0043	U	0.0032	U	0.0041	U	0.24	U	0.23	U	0.0039	U
1,3,5-Trimethylbenzene	8.4	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.028	J	0.11	J	0.0056	U
1,3-Dichlorobenzene	2.4	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
1,3-Dichloropropane	~	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
1,3-Dichloropropene, Total	~	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U
1,4-Dichlorobenzene	1.8	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
1,4-Dioxane	0.1	0.044	U	0.031	U	0.038	U	0.05	U	0.037	U	0.047	U	*2.8*	U	*2.6*	U	0.044	U
2,2-Dichloropropane	~	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
2-Butanone	0.12	0.011	U	0.0077	U	0.0094	U	0.012	U	0.0092	U	0.012	U	*0.7*	U	*0.66*	U	0.011	U
2-Hexanone	~	0.011	U	0.0077	U	0.0094	U	0.012	U	0.0092	U	0.012	U	0.7	U	0.66	U	0.011	U
4-Methyl-2-pentanone	~	0.011	U	0.0077	U	0.0094	U	0.012	U	0.0092	U	0.012	U	0.7	U	0.66	U	0.011	U
Acetone	0.05	0.008	J	0.015		**0.084**		0.019		0.023		0.016		*0.7*	U	*0.66*	U	0.0052	J
Acrolein	~	0.027	U	0.019	U	0.024	U	0.031	U	0.023	U	0.029	U	1.7	U	1.6	U	0.028	U
Acrylonitrile	~	0.011	U	0.0077	U	0.0094	U	0.012	U	0.0092	U	0.012	U	0.7	U	0.66	U	0.011	U
Benzene	0.06	0.0011	U	0.0012		0.00094	U	0.0012	U	0.00092	U	0.0012	U	**0.086**		**0.087**		0.00033	J
Bromobenzene	~	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
Bromochloromethane	~	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
Bromodichloromethane	~	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U
Bromoform	~	0.0044	U	0.0031	U	0.0038	U	0.005	U	0.0037	U	0.0047	U	0.28	U	0.26	U	0.0044	U
Bromomethane	~	0.0022	U	0.0015	U	0.0019	U	0.0025	U	0.0018	U	0.0023	U	0.052	J	0.055	J	0.0022	U
Carbon disulfide	~	0.011	U	0.0077	U	0.0094	U	0.012	U	0.0092	U	0.012	U	0.7	U	0.66	U	0.011	U
Carbon tetrachloride	0.76	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U
Chlorobenzene	1.1	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U
Chloroethane	~	0.0022	U	0.0015	U	0.0019	U	0.0025	U	0.0018	U	0.0023	U	0.14	U	0.13	U	0.0022	U
Chloroform	0.37	0.0016	U	0.0012	U	0.0014	U	0.0019	U	0.0014	U	0.0017	U	0.1	U	0.099	U	0.0017	U
Chloromethane	~	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.067	J	0.0056	U
cis-1,2-Dichloroethene	0.25	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U
cis-1,3-Dichloropropene	~	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U

Notes:
1. Soil sample analytical results are compared to the lower of the New York State Department of Environmental Conservation (NYSDEC) Part 375 Restricted Use - Residential (RUR) and Restricted Use - Protection of Groundwater (PGW) Soil Cleanup Objectives (SCOs).
2. Undetected compounds with a reporting limit greater than the regulatory comparison criteria are in italics.
3. Analytes detected at concentrations above the regulatory comparison criteria are shaded and bolded.
4. WC_GRAB_DUP01 is a duplicate of WCO03_GRAB_LB12_13-15
5. ~ = No regulatory limit has been established for this analyte
6. mg/kg = milligram per kilogram
7. bgs = below grade surface
8. VOC = Volatile Organic Compound
9. EPH = Extractable Petroleum Hydrocarbon

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL) but below the reporting limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 2
Grab Soil Sample Analytical Results - VOCs and EPH
Waste Characterization Report
300 West 122nd Street
New York, New York
Langan Project No. 170500201

Sample ID Sampling Date Lab Sample ID Sample Depth (feet bgs)	Lower of the NYSDEC Part 375 RUR and PGW SCOs	WC01_GRAB_LB05_1-3 3/8/2018 L1808297-01 1 to 3		WC01_GRAB_LB03_10-12 3/8/2018 L1808297-03 10 to 12		WC01_GRAB_LB10_6-8 3/8/2018 L1808297-02 6 to 8		WC02_GRAB_LB04_0-2 3/8/2018 L1808297-04 0 to 2		WC02_GRAB_LB02_13-15 3/8/2018 L1808297-06 13 to 15		WC02_GRAB_LB07_8-10 3/8/2018 L1808297-05 8 to 10		WC03_GRAB_LB12_13-15 3/12/2018 L1808531-01 13 to 15		WC_GRAB_DUP01 3/12/2018 L1808531-05 13 to 15		WC04_GRAB_LB08_14-16 3/12/2018 L1808531-02 14 to 16	
Volatile Organic Compounds (mg/kg)																			
Cyclohexane	~	0.022	U	0.00038	J	0.019	U	0.025	U	0.018	U	0.023	U	1.4	U	1.3	U	0.022	U
Dibromochloromethane	~	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U
Dibromomethane	~	0.011	U	0.0077	U	0.0094	U	0.012	U	0.0092	U	0.012	U	0.7	U	0.66	U	0.011	U
Dichlorodifluoromethane	~	0.011	U	0.0077	U	0.0094	U	0.012	U	0.0092	U	0.012	U	0.7	U	0.66	U	0.011	U
Ethyl ether	~	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
Ethylbenzene	1	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.049	J	0.11		0.0011	U
Freon-113	~	0.022	U	0.015	U	0.019	U	0.025	U	0.018	U	0.023	U	1.4	U	1.3	U	0.022	U
Hexachlorobutadiene	~	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
Isopropylbenzene	~	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U
Methyl Acetate	~	0.022	U	0.015	U	0.019	U	0.025	U	0.018	U	0.023	U	1.7		15		0.022	U
Methyl cyclohexane	~	0.0044	U	0.0031	U	0.0038	U	0.005	U	0.0037	U	0.0047	U	0.045	J	0.037	J	0.0044	U
Methyl tert butyl ether	0.93	0.0022	U	0.0015	U	0.0019	U	0.0025	U	0.0018	U	0.0014	J	0.14	U	0.13	U	0.0022	U
Methylene chloride	0.05	0.011	U	0.0077	U	0.0094	U	0.012	U	0.0092	U	0.012	U	*0.7*	U	*0.66*	U	0.011	U
n-Butylbenzene	12	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.036	J	0.0011	U
n-Propylbenzene	3.9	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.026	J	0.066	U	0.0011	U
Naphthalene	12	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	1.1		0.17	J	0.0056	U
o-Chlorotoluene	~	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
o-Xylene	~	0.0022	U	0.0015	U	0.0019	U	0.0025	U	0.0018	U	0.0023	U	0.054	J	0.14		0.0022	U
p-Chlorotoluene	~	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
p-Diethylbenzene	~	0.0044	U	0.0031	U	0.0038	U	0.005	U	0.0037	U	0.0047	U	0.28	U	0.26	U	0.0044	U
p-Ethyltoluene	~	0.0044	U	0.0031	U	0.0038	U	0.005	U	0.0037	U	0.0047	U	0.078	J	0.24	J	0.0044	U
p-Isopropyltoluene	~	0.0011	U	0.00023	J	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U
p/m-Xylene	~	0.0022	U	0.0015	U	0.0019	U	0.0025	U	0.0018	U	0.0023	U	0.24		0.48		0.0022	U
sec-Butylbenzene	11	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.018	J	0.0011	U
Styrene	~	0.0022	U	0.0015	U	0.0019	U	0.0025	U	0.0018	U	0.0023	U	0.14	U	0.13	U	0.0022	U
Tert-Butyl Alcohol	~	0.066	U	0.046	U	0.018	J	0.074	U	0.013	J	0.07	U	4.2	U	4	U	0.067	U
tert-Butylbenzene	5.9	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
Tetrachloroethene	1.3	0.00095	J	0.00074	J	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U
Toluene	0.7	0.0016	U	0.00049	J	0.0014	U	0.0019	U	0.00024	J	0.001	J	0.35		0.48		0.0004	J
trans-1,2-Dichloroethene	0.19	0.0016	U	0.0012	U	0.0014	U	0.0019	U	0.0014	U	0.0017	U	0.1	U	0.099	U	0.0017	U
trans-1,3-Dichloropropene	~	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U
trans-1,4-Dichloro-2-butene	~	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.0056	U
Trichloroethene	0.47	0.0011	U	0.00077	U	0.00094	U	0.0012	U	0.00092	U	0.0012	U	0.07	U	0.066	U	0.0011	U
Trichlorofluoromethane	~	0.0055	U	0.0039	U	0.0047	U	0.0062	U	0.0046	U	0.0058	U	0.35	U	0.33	U	0.00055	J
Vinyl acetate	~	0.011	U	0.0077	U	0.0094	U	0.012	U	0.0092	U	0.012	U	0.7	U	0.66	U	0.011	U
Vinyl chloride	0.02	0.0022	U	0.0015	U	0.0019	U	0.0025	U	0.0018	U	0.0023	U	*0.14*	U	*0.13*	U	0.0022	U
Xylenes, Total	1.6	0.0022	U	0.0015	U	0.0019	U	0.0025	U	0.0018	U	0.0023	U	0.29	J	0.62		0.0022	U
Extractable Petroleum Hydrocarbons (mg/kg)																			
Total EPH	~	283		25.1	U	145		130		26.7	U	138		247		148		269	

Notes:
1. Soil sample analytical results are compared to the lower of the New York State Department of Environmental Conservation (NYSDEC) Part 375 Restricted Use - Residential (RUR) and Restricted Use - Protection of Groundwater (PGW) Soil Cleanup Objectives (SCOs).
2. Undetected compounds with a reporting limit greater than the regulatory comparison criteria are in italics.
3. Analytes detected at concentrations above the regulatory comparison criteria are shaded and bolded.
4. WC_GRAB_DUP01 is a duplicate of WCO03_GRAB_LB12_13-15
5. ~ = No regulatory limit has been established for this analyte
6. mg/kg = milligram per kilogram
7. bgs = below grade surface
8. VOC = Volatile Organic Compound
9. EPH = Extractable Petroleum Hydrocarbon

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL) but below the reporting limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 3
Composite Soil Sample Analytical Results - SVOCs
Waste Characterization Report
300 West 122nd Street
New York, New York
Langan Project No. 170500201

Sample ID Sampling Date Lab Sample ID Sample Depth (feet bgs)	Lower of the NYSDEC Part 375 RUR and PGW SCOs	WC01_COMP_0-5 3/8/2018 L1808297-07 0 to 5		WC01_COMP_10-16 3/8/2018 L1808297-09 10 to 16		WC01_COMP_5-10 3/8/2018 L1808297-08 5 to 10		WC02_COMP_0-5 3/8/2018 L1808297-10 0 to 5		WC02_COMP_0-5 3/8/2018 L1808297-10 R1 0 to 5		WC02_COMP_10-16 3/8/2018 L1808297-12 10 to 16		WC02_COMP_5-10 3/8/2018 L1808297-11 5 to 10		WC02_COMP_5-10 3/8/2018 L1808297-11 R1 5 to 10		WC03_COMP_13-16 3/12/2018 L1808531-03 13 to 16		WC03_COMP_13-16 3/12/2018 L1808531-03 R1 13 to 16		WC_COMP_DUP01 3/12/2018 L1808531-06 13 to 16		WC04_COMP_13-16 3/12/2018 L1808531-04 13 to 16		WC04_COMP_13-16 3/12/2018 L1808531-04 R1 13 to 16	
Semivolatile Organic Compounds (mg/kg)																													
1,2,4,5-Tetrachlorobenzene	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
1,2,4-Trichlorobenzene	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
1,2-Dichlorobenzene	1.1	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
1,3-Dichlorobenzene	2.4	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
1,4-Dichlorobenzene	1.8	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
2,3,4,6-Tetrachlorophenol	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
2,4,5-Trichlorophenol	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
2,4,6-Trichlorophenol	~	0.23	U	0.11	U	0.12	U	0.22	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	~	0.35	U	0.16	U	0.18	U	0.33	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
2,4-Dimethylphenol	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
2,4-Dinitrophenol	~	1.9	U	0.86	U	0.94	U	1.8	U	0.89	U	0.85	U	0.91	U	0.89	U	0.91	U	0.9	U	0.92	U	0.91	U	0.91	U	0.91	U
2,4-Dinitrotoluene	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
2,6-Dinitrotoluene	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
2-Chloronaphthalene	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
2-Chlorophenol	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
2-Methylnaphthalene	~	0.43	J	0.21	U	0.23	U	0.44	U	0.22	U	0.21	U	0.066	J	0.039	J	0.07	J	0.044	J	0.066	J	0.056	J	0.11	J
2-Methylphenol	0.33	*0.39*	U	0.18	U	0.2	U	*0.37*	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
2-Nitroaniline	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
2-Nitrophenol	~	0.84	U	0.38	U	0.42	U	0.8	U	0.4	U	0.38	U	0.41	U	0.4	U	0.41	U	0.4	U	0.41	U	0.41	U	0.41	U	0.41	U
3,3'-Dichlorobenzidine	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	*0.56*	U	0.26	U	0.28	U	*0.53*	U	0.27	U	0.25	U	0.27	U	0.27	U	0.27	U	0.27	U	0.28	U	0.27	U	0.27	U	0.27	U
3-Nitroaniline	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
4,6-Dinitro-o-cresol	~	1	U	0.46	U	0.51	U	0.96	U	0.48	U	0.46	U	0.49	U	0.48	U	0.49	U	0.49	U	0.5	U	0.5	U	0.49	U	0.5	U
4-Bromophenyl phenyl ether	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
4-Chloroaniline	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
4-Chlorophenyl phenyl ether	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
4-Nitroaniline	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
4-Nitrophenol	~	0.54	U	0.25	U	0.27	U	0.52	U	0.26	U	0.25	U	0.26	U	0.26	U	0.26	U	0.26	U	0.27	U	0.27	U	0.26	U	0.27	U
Acenaphthene	98	0.47		0.14	U	0.028	J	0.3	U	0.032	J	0.14	U	0.14	J	0.026	J	0.15	U	0.15	U	0.15	U	0.15	U	0.088	J	0.15	U
Acenaphthylene	100	2		0.028	J	0.24		0.18	J	0.09	J	0.14	U	0.42		0.15		0.041	J	0.069	J	0.15	U	0.15	U	0.62		0.15	U
Acetophenone	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.028	J	0.19	U	0.027	J	0.19	U	0.19	U	0.19	U
Anthracene	100	2.6		0.11	U	0.21		0.15	J	0.13		0.11	U	0.68		0.15		0.048	J	0.071	J	0.038	J	0.047	J	0.65		0.15	U
Atrazine	~	0.31	U	0.14	U	0.16	U	0.3	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U
Azobenzene	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
Benzaldehyde	~	0.51	U	0.24	U	0.26	U	0.49	U	0.24	U	0.23	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Benzidine	~	1.3	U	0.59	U	0.64	U	1.2	U	0.61	U	0.58	U	0.62	U	0.62	U	0.62	U	0.62	U	0.63	U	0.63	U	0.62	U	0.62	U

Notes:
1. Soil sample analytical results are compared to the lower of the New York State Department of Environmental Conservation (NYSDEC) Part 375 Restricted Use - Residential (RUR) and Restricted Use - Protection of Groundwater (PGW) Soil Cleanup Objectives (SCOs).
2. Undetected compounds with a reporting limit greater than the regulatory comparison criteria are in italics.
3. Analytes detected at concentrations above the regulatory comparison criteria are shaded and bolded.
4. WC_COMP_DUP01 is a duplicate of WC03_COMP_13-16
5. ~ = No regulatory limit has been established for this analyte
6. mg/kg = milligram per kilogram
7. bgs = below grade surface
8. SVOC = Semivolatile Organic Compound

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL) but below the reporting limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 3
Composite Soil Sample Analytical Results - SVOCs
Waste Characterization Report
300 West 122nd Street
New York, New York
Langan Project No. 170500201

Sample ID Sampling Date Lab Sample ID Sample Depth (feet bgs)	Lower of the NYSDEC Part 375 RUR and PGW SCOs	WC01_COMP_0-5 3/8/2018 L1808297-07 0 to 5		WC01_COMP_10-16 3/8/2018 L1808297-09 10 to 16		WC01_COMP_5-10 3/8/2018 L1808297-08 5 to 10		WC02_COMP_0-5 3/8/2018 L1808297-10 0 to 5		WC02_COMP_0-5 3/8/2018 L1808297-10 R1 0 to 5		WC02_COMP_10-16 3/8/2018 L1808297-12 10 to 16		WC02_COMP_5-10 3/8/2018 L1808297-11 5 to 10		WC02_COMP_5-10 3/8/2018 L1808297-11 R1 5 to 10		WC03_COMP_13-16 3/12/2018 L1808531-03 13 to 16		WC03_COMP_13-16 3/12/2018 L1808531-03 R1 13 to 16		WC_COMP_DUP01 3/12/2018 L1808531-06 13 to 16		WC04_COMP_13-16 3/12/2018 L1808531-04 13 to 16		WC04_COMP_13-16 3/12/2018 L1808531-04 R1 13 to 16	
Semivolatile Organic Compounds (mg/kg)																													
Benzo(a)anthracene	1	**7.1**		0.066	J	0.62		0.56		0.56		0.11	U	**2**		0.72		0.16		0.19		0.094	J	0.12		**1.6**	
Benzo(a)pyrene	1	**7.3**		0.052	J	0.55		0.65		0.56		0.14	U	**1.6**		0.78		0.17		0.18		0.096	J	0.11	J	**1.3**	
Benzo(b)fluoranthene	1	**10**		0.071	J	0.78		0.84		0.71		0.11	U	**2.2**		0.97		0.23		0.26		0.14		0.15		**1.8**	
Benzo(ghi)perylene	100	4.2		0.038	J	0.39		0.47		0.34		0.029	J	1.2		0.57		0.12	J	0.15		0.069	J	0.072	J	0.89	
Benzo(k)fluoranthene	1	**2.7**		0.11	U	0.23		0.3		0.25		0.11	U	0.7		0.35		0.086	J	0.089	J	0.043	J	0.055	J	0.54	
Benzoic Acid	~	1.3	U	0.58	U	0.63	U	1.2	U	0.6	U	0.57	U	0.61	U	0.6	U	0.61	U	0.61	U	0.62	U	0.62	U	0.61	U
Benzyl Alcohol	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
Biphenyl	~	0.11	J	0.41	U	0.44	U	0.84	U	0.42	U	0.4	U	0.43	U	0.42	U	0.43	U	0.43	U	0.44	U	0.43	U	0.43	U
Bis(2-chloroethoxy)methane	~	0.42	U	0.19	U	0.21	U	0.4	U	0.2	U	0.19	U	0.2	U	0.2	U	0.2	U	0.2	U	0.21	U	0.2	U	0.2	U
Bis(2-chloroethyl)ether	~	0.35	U	0.16	U	0.18	U	0.33	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
Bis(2-chloroisopropyl)ether	~	0.47	U	0.21	U	0.23	U	0.44	U	0.22	U	0.21	U	0.23	U	0.22	U	0.23	U	0.22	U	0.23	U	0.23	U	0.23	U
Bis(2-ethylhexyl)phthalate	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.071	J	0.067	J	0.19	U
Butyl benzyl phthalate	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
Caprolactam	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
Carbazole	~	0.51		0.18	U	0.052	J	0.068	J	0.046	J	0.18	U	0.21		0.051	J	0.039	J	0.053	J	0.19	U	0.018	J	0.13	J
Chrysene	1	**6.5**		0.057	J	0.58		0.54		0.55		0.11	U	**1.9**		0.72		0.2		0.22		0.12		0.14		**1.4**	
Di-n-butylphthalate	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
Di-n-octylphthalate	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
Dibenzo(a,h)anthracene	0.33	**1.2**		0.11	U	0.11	J	0.22	U	0.094	J	0.11	U	0.31		0.14		0.027	J	0.035	J	0.12	U	0.11	U	0.28	
Dibenzofuran	14	0.7		0.18	U	0.018	J	0.37	U	0.024	J	0.18	U	0.092	J	0.025	J	0.034	J	0.039	J	0.19	U	0.019	J	0.14	J
Diethyl phthalate	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
Dimethyl phthalate	~	0.39	U	0.18	U	0.2	U	0.37	U	0.093	J	0.18	U	0.19	U	0.19	U	0.19	U	0.12	J	0.19	U	0.19	U	0.19	U
Fluoranthene	100	12		0.1	J	1		0.94		0.89		0.029	J	3.3		1.2		0.42		0.51		0.2		0.25		2.3	
Fluorene	100	1.4		0.18	U	0.05	J	0.037	J	0.04	J	0.18	U	0.17	J	0.042	J	0.018	J	0.024	J	0.021	J	0.028	J	0.32	
Hexachlorobenzene	0.33	0.23	U	0.11	U	0.12	U	0.22	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U
Hexachlorobutadiene	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
Hexachlorocyclopentadiene	~	1.1	U	0.51	U	0.56	U	1	U	0.53	U	0.51	U	0.54	U	0.53	U	0.54	U	0.54	U	0.55	U	0.54	U	0.54	U
Hexachloroethane	~	0.31	U	0.14	U	0.16	U	0.3	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	**4.1**		0.04	J	0.43		**0.52**		0.37		0.14	U	**1.2**		**0.54**		0.13	J	0.15		0.067	J	0.076	J	**0.98**	
Isophorone	~	0.35	U	0.16	U	0.18	U	0.33	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
n-Nitrosodi-n-propylamine	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
n-Nitrosodimethylamine	~	0.78	U	0.36	U	0.39	U	0.74	U	0.37	U	0.35	U	0.38	U	0.37	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
Naphthalene	12	0.47		0.18	U	0.2	U	0.37	U	0.036	J	0.18	U	0.13	J	0.073	J	0.081	J	0.06	J	0.068	J	0.063	J	0.12	J
NDPA/DPA	~	0.31	U	0.14	U	0.16	U	0.3	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U
Nitrobenzene	~	0.35	U	0.16	U	0.18	U	0.33	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
p-Chloro-m-cresol	~	0.39	U	0.18	U	0.2	U	0.37	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
Pentachlorophenol	0.8	0.31	U	0.14	U	0.16	U	0.3	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U
Phenanthrene	100	7.9		0.052	J	0.47		0.42		0.42		0.022	J	1.9		0.54		0.36		0.44		0.16		0.2		1.8	
Phenol	0.33	*0.39*	U	0.18	U	0.2	U	*0.37*	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
Pyrene	100	10		0.09	J	0.88		0.84		0.79		0.028	J	2.9		1.2		0.35		0.42		0.18		0.22		2	

Notes:
1. Soil sample analytical results are compared to the lower of the New York State Department of Environmental Conservation (NYSDEC) Part 375 Restricted Use - Residential (RUR) and Restricted Use - Protection of Groundwater (PGW) Soil Cleanup Objectives (SCOs).
2. Undetected compounds with a reporting limit greater than the regulatory comparison criteria are in italics.
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4. WC_COMP_DUP01 is a duplicate of WC03_COMP_13-16
5. ~ = No regulatory limit has been established for this analyte
6. mg/kg = milligram per kilogram
7. bgs = below grade surface
8. SVOC = Semivolatile Organic Compound

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL) but below the reporting limit (RL); therefore, the result is an estimated concentration.
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Table 4
Composite Soil Sample Analytical Results - Inorganics, PCBs, Pesticides, Herbicides
Waste Characterization Report
300 West 122nd Street
New York, New York
Langan Project No. 170500201

Sample ID Sampling Date Lab Sample ID Sample Depth (feet bgs)	Lower of the NYSDEC Part 375 RUR and PGW SCOs	WC01_COMP_0-5 3/8/2018 L1808297-07 0 to 5		WC01_COMP_10-16 3/8/2018 L1808297-09 10 to 16		WC01_COMP_5-10 3/8/2018 L1808297-08 5 to 10		WC02_COMP_0-5 3/8/2018 L1808297-10 0 to 5		WC02_COMP_10-16 3/8/2018 L1808297-12 10 to 16		WC02_COMP_5-10 3/8/2018 L1808297-11 5 to 10		WC03_COMP_13-16 3/12/2018 L1808531-03 13 to 16		WC_COMP_DUP01 3/12/2018 L1808531-06 13 to 16		WC04_COMP_13-16 3/12/2018 L1808531-04 13 to 16	
Inorganics (mg/kg)																			
Aluminum	~	10800		5660		5670		5860		3940		5590		6000		9330		6700	
Antimony	~	1.07	J	4.11	U	4.61	U	4.41	U	4.29	U	0.403	J	4.52	U	4.58	U	4.44	U
Arsenic	16	2.51		0.871		3.14		3.44		1.12		4.92		4.3		6.87		5.53	
Barium	350	165		42.4		73.5		50.8		41.4		50.7		79.8		78.2		72.3	
Beryllium	14	0.091	J	0.123	J	0.12	J	0.15	J	0.171	J	0.143	J	0.235	J	0.339	J	0.195	J
Cadmium	2.5	0.782	J	0.32	J	0.516	J	0.494	J	0.326	J	1.61		0.371	J	0.486	J	0.4	J
Calcium	~	8290		6020		40900		57800		2620		32800		49600		77200		64800	
Chromium	~	22.7		13.4		11.4		12.8		9.96		14.5		18.4		26.7		20.2	
Chromium, Hexavalent	19	0.94	U	0.86	U	0.94	U	0.45	J	0.87	U	0.45	J	0.91	U	1.6		1.6	
Chromium, Trivalent	36	23		13		11		12	J	10		14	J	18		25		19	
Cobalt	~	7.48		4.42		3.5		3.42		3.88		3.29		3.76		5.47		4.13	
Copper	270	21.2		19.6		13.7		14.7		14.6		23.7		19.4		24.6		20.6	
Cyanide	27	1.1	U	1	U	1.1	U	0.3	J	1.1	U	1.1	U	1.1	U	1.1	U	0.5	J
Iron	~	17100		7800		7800		8120		8500		24300		10100		13200		9400	
Lead	400	**1060**		76.5		157		83.9		13.3		145		**884**		138		130	
Magnesium	~	4400		2270		12500		13200		1900		3490		3200		5390		3720	
Manganese	2000	345		266		176		205		271		211		211		180		152	
Mercury	0.73	**0.85**		0.04	J	0.14		0.09		0.03	J	0.08		0.09		0.069	J	0.15	
Nickel	130	14.6		11.9		7.7		7.98		9.41		6.5		10.4		14.8		11.1	
Potassium	~	1800		1140		828		534		889		572		1160		1050		1020	
Selenium	4	0.582	J	1.64	U	0.314	J	1.76	U	0.472	J	0.672	J	0.651	J	0.899	J	0.551	J
Silver	8.3	0.909	U	0.821	U	0.922	U	0.881	U	0.857	U	0.896	U	0.905	U	0.917	U	0.888	U
Sodium	~	243		262		490		170	J	90.8	J	455		540		501		454	
Thallium	~	1.82	U	1.64	U	1.84	U	1.76	U	1.71	U	1.79	U	1.81	U	1.83	U	1.78	U
Vanadium	~	26.2		14.8		21.8		15.1		13.2		7.25		16.4		31.8		17.6	
Zinc	2200	102		21		59.5		73.2		19.6		775		73.2		75		79.7	
Polychlorinated Biphenyls (mg/kg)																			
Aroclor 1016	~	0.0384	U	0.0348	U	0.0387	U	0.0362	U	0.0352	U	0.0373	U	0.0357	U	0.0371	U	0.0374	U
Aroclor 1221	~	0.0384	U	0.0348	U	0.0387	U	0.0362	U	0.0352	U	0.0373	U	0.0357	U	0.0371	U	0.0374	U
Aroclor 1232	~	0.0384	U	0.0348	U	0.0387	U	0.0362	U	0.0352	U	0.0373	U	0.0357	U	0.0371	U	0.0374	U
Aroclor 1242	~	0.0384	U	0.0348	U	0.0387	U	0.0362	U	0.0352	U	0.0373	U	0.0357	U	0.0371	U	0.0374	U
Aroclor 1248	~	0.0384	U	0.0348	U	0.0387	U	0.0362	U	0.0352	U	0.0373	U	0.0357	U	0.0371	U	0.0374	U
Aroclor 1254	~	0.00949	J	0.0348	U	0.0387	U	0.0354	J	0.0352	U	0.0548		0.0103	J	0.0104	J	0.00678	J
Aroclor 1260	~	0.00938	J	0.0348	U	0.0387	U	0.0132	J	0.0352	U	0.0983		0.00381	J	0.00657	J	0.0374	U
Aroclor 1262	~	0.0384	U	0.0348	U	0.0387	U	0.0362	U	0.0352	U	0.0373	U	0.0357	U	0.0371	U	0.0374	U
Aroclor 1268	~	0.0384	U	0.0348	U	0.0387	U	0.0362	U	0.0352	U	0.0373	U	0.0357	U	0.0371	U	0.0374	U
PCBs, Total	1	0.0189	J	0.0348	U	0.0387	U	0.0486	J	0.0352	U	0.153		0.0141	J	0.017	J	0.00678	J

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7. PCB = Polychlorinated Biphenyl

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Table 4
Composite Soil Sample Analytical Results - Inorganics, PCBs, Pesticides, Herbicides
Waste Characterization Report
300 West 122nd Street
New York, New York
Langan Project No. 170500201

Sample ID Sampling Date Lab Sample ID Sample Depth (feet bgs)	Lower of the NYSDEC Part 375 RUR and PGW SCOs	WC01_COMP_0-5 3/8/2018 L1808297-07 0 to 5		WC01_COMP_10-16 3/8/2018 L1808297-09 10 to 16		WC01_COMP_5-10 3/8/2018 L1808297-08 5 to 10		WC02_COMP_0-5 3/8/2018 L1808297-10 0 to 5		WC02_COMP_10-16 3/8/2018 L1808297-12 10 to 16		WC02_COMP_5-10 3/8/2018 L1808297-11 5 to 10		WC03_COMP_13-16 3/12/2018 L1808531-03 13 to 16		WC_COMP_DUP01 3/12/2018 L1808531-06 13 to 16		WC04_COMP_13-16 3/12/2018 L1808531-04 13 to 16	
Pesticides (mg/kg)																			
4,4'-DDD	2.6	0.00415		0.00164	U	0.00182	U	0.000945	J	0.00166	U	0.00172	U	0.00178	U	0.00185	U	0.00181	U
4,4'-DDE	1.8	0.00308		0.00164	U	0.00182	U	0.0066		0.00166	U	0.00397	P	0.00234		0.00315		0.00292	P
4,4'-DDT	1.7	0.00342	U	0.00308	U	0.00342	U	0.00434	P	0.00312	U	0.00926		0.00185	J	0.00176	J	0.00339	U
Aldrin	0.019	0.00182	U	0.00164	U	0.00182	U	0.00172	U	0.00166	U	0.00172	U	0.00178	U	0.00185	U	0.00181	U
Alpha-BHC	0.02	0.000761	U	0.000685	U	0.000759	U	0.000719	U	0.000693	U	0.000719	U	0.000741	U	0.000771	U	0.000753	U
Beta-BHC	0.072	0.00182	U	0.00164	U	0.00182	U	0.00172	U	0.00166	U	0.00172	U	0.00178	U	0.00185	U	0.00181	U
Chlordane	~	0.0148	U	0.0134	U	0.0148	U	0.122		0.0135	U	0.0573		0.0144	U	0.015	U	0.0147	U
cis-Chlordane	0.91	0.00228	U	0.00205	U	0.00228	U	0.0196	P	0.00208	U	0.00582		0.0037		0.00454		0.00448	
Delta-BHC	0.25	0.00182	U	0.00164	U	0.00182	U	0.00172	U	0.00166	U	0.00172	U	0.00178	U	0.00185	U	0.00181	U
Dieldrin	0.039	0.00114	U	0.00103	U	0.00114	U	0.0131		0.00104	U	0.00687		0.00111	U	0.000635	J	0.000682	JPI
Endosulfan I	4.8	0.00182	U	0.00164	U	0.00182	U	0.00172	U	0.00166	U	0.00172	U	0.00178	U	0.00185	U	0.00181	U
Endosulfan II	4.8	0.00182	U	0.00164	U	0.00182	U	0.00172	U	0.00166	U	0.00172	U	0.00178	U	0.00185	U	0.00181	U
Endosulfan sulfate	4.8	0.000761	U	0.000685	U	0.000759	U	0.000719	U	0.000693	U	0.000719	U	0.000741	U	0.000771	U	0.000753	U
Endrin	0.06	0.000761	U	0.000685	U	0.000759	U	0.000719	U	0.000693	U	0.000719	U	0.000741	U	0.000771	U	0.000753	U
Endrin aldehyde	~	0.00228	U	0.00205	U	0.00228	U	0.00216	U	0.00208	U	0.00216	U	0.00222	U	0.00231	U	0.00226	U
Endrin ketone	~	0.00182	U	0.00164	U	0.00182	U	0.00172	U	0.00166	U	0.00172	U	0.00178	U	0.00185	U	0.00181	U
Heptachlor	0.38	0.000913	U	0.000822	U	0.000911	U	0.00391		0.000832	U	0.00193	P	0.000889	U	0.000925	U	0.000444	J
Heptachlor epoxide	~	0.00342	U	0.00308	U	0.00342	U	0.0034		0.00312	U	0.00324	U	0.00333	U	0.00347	U	0.00339	U
Lindane	0.1	0.000761	U	0.000685	U	0.000759	U	0.000719	U	0.000693	U	0.000719	U	0.000741	U	0.000771	U	0.000753	U
Methoxychlor	~	0.00342	U	0.00308	U	0.00342	U	0.00324	U	0.00312	U	0.00324	U	0.00333	U	0.00347	U	0.00339	U
Toxaphene	~	0.0342	U	0.0308	U	0.0342	U	0.0324	U	0.0312	U	0.0324	U	0.0333	U	0.0347	U	0.0339	U
trans-Chlordane	~	0.00228	U	0.00205	U	0.00228	U	0.0166	PI	0.00208	U	0.00663	PI	0.00334	P	0.00398	P	0.00182	JPI
Herbicides (mg/kg)																			
2,4,5-T	~	0.195	U	0.175	U	0.193	U	0.182	U	0.176	U	0.188	U	0.187	U	0.192	U	0.189	U
2,4,5-TP (Silvex)	3.8	0.195	U	0.175	U	0.193	U	0.182	U	0.176	U	0.188	U	0.187	U	0.192	U	0.189	U
2,4-D	~	0.195	U	0.175	U	0.193	U	0.182	U	0.176	U	0.188	U	0.187	U	0.192	U	0.189	U

Notes:
1. Soil sample analytical results are compared to the lower of the New York State Department of Environmental Conservation (NYSDEC) Part 375 Restricted Use - Residential (RUR) and Restricted Use - Protection of Groundwater (PGW) Soil Cleanup Objectives (SCOs).
2. Analytes detected at concentrations above the regulatory comparison criteria are shaded and bolded.
3. WC_COMP_DUP01 is a duplicate of WC03_COMP_13-16.
4. ~ = No regulatory limit has been established for this analyte
5. mg/kg = milligram per kilogram
6. bgs = below grade surface
7. PCB = Polychlorinated Biphenyl

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL) but below the reporting limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
I = The lower value for the two columns has been reported due to obvious interference.
P = The Relative Percent Difference (RPD) between the results for the two columns exceeds the method-specified criteria.

Table 5
Soil Sample Analytical Results - TCLP and RCRA Characteristics
Waste Characterization Report
300 West 122nd Street
New York, New York
Langan Project No. 170500201

Sample ID Sampling Date Lab Sample ID Sample Depth (feet bgs)	RCRA Hazardous Waste Regulatory Levels for Toxicity Characteristics	WC01_COMP_0-5 3/8/2018 L1808297-07 0 to 5		WC01_COMP_10-16 3/8/2018 L1808297-09 10 to 16		WC01_COMP_5-10 3/8/2018 L1808297-08 5 to 10		WC02_COMP_0-5 3/8/2018 L1808297-10 0 to 5		WC02_COMP_10-16 3/8/2018 L1808297-12 10 to 16		WC02_COMP_5-10 3/8/2018 L1808297-11 5 to 10		WC03_COMP_13-16 3/12/2018 L1808531-03 13 to 16		WC_COMP_DUP01 3/12/2018 L1808531-06 13 to 16		WC04_COMP_13-16 3/12/2018 L1808531-04 13 to 16	
TCLP Semivolatile Organic Compounds (mg/l)																			
2,4,5-Trichlorophenol	400	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4,6-Trichlorophenol	2	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2,4-Dinitrotoluene	0.13	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Methylphenol	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
3-Methylphenol/4-Methylphenol	200	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
Hexachlorobenzene	0.13	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachlorobutadiene	0.5	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Hexachloroethane	3	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Nitrobenzene	2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Pentachlorophenol	100	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Pyridine	5	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
TCLP Pesticides (mg/l)																			
Chlordane	0.03	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Endrin	0.03	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Heptachlor	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Heptachlor epoxide	0.008	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Lindane	0.4	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
Methoxychlor	10	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Toxaphene	0.5	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
TCLP Herbicides (mg/l)																			
2,4,5-T	400	NT		NT		NT		NT		NT		NT		0.005	U	NT		NT	
2,4,5-TP (Silvex)	1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
2,4-D	10	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
TCLP Metals (mg/l)																			
Arsenic	5	1	U	1	U	1	U	1	U	1	U	1	U	0.042	J	1	U	0.025	J
Barium	100	0.534		0.533		0.315	J	0.226	J	0.629		0.311	J	0.316	J	0.579		0.47	J
Cadmium	1	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Chromium	5	0.2	U	0.2	U	0.2	U	0.045	J	0.2	U	0.2	U	0.069	J	0.022	J	0.2	U
Lead	5	0.885		0.145	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.065	J	0.5	U
Mercury	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.08	J	0.5	U	0.5	U
Silver	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
RCRA Characteristics																			
Cyanide, Reactive (mg/kg)	~	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Paint Filter Liquid	~	NT		NT		NT		NT		NT		NT		NEGATIVE		NT		NT	
Ignitability	Ignitable	NI		NI		NI		NI		NI		NI		NI		NI		NI	
pH (SU)	<2 or >12.5	10.4		9.6		9.3		11.7		10.2		11.7		11		11.6		11.3	
Sulfide, Reactive (mg/kg)	~	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U

Notes:
1. Soil sample analytical results are compared to the Resource Conservation and Recovery Act (RCRA) Hazardous Waste Regulatory Levels for Toxicity Characteristics.
2. Analytes were not detected at concentrations above the regulatory comparison.
3. WC_COMP_DUP01 is a duplicate of WC03_COMP_13-16.
4. ~ = No regulatory limit has been established for this analyte
5. mg/kg = milligram per kilogram
6. mg/l = milligram per liter
7. bgs = below grade surface
8. TCLP = Toxicity Characteristic Leaching Procedure
9. NT = Not Tested
10. NI = Not Ignitable
11. SU = Standard Units

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL) but below the reporting limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 5
Soil Sample Analytical Results - TCLP and RCRA Characteristics
Waste Characterization Report
300 West 122nd Street
New York, New York
Langan Project No. 170500201

Sample ID Sampling Date Lab Sample ID Sample Depth (feet bgs)	RCRA Hazardous Waste Regulatory Levels for Toxicity Characteristics	WC01_GRAB_1-3 3/8/2018 L1808297-01 1 to 3		WC01_GRAB_10-12 3/8/2018 L1808297-03 10 to 12		WC01_GRAB_6-8 3/8/2018 L1808297-02 6 to 8		WC02_GRAB_0-2 3/8/2018 L1808297-04 0 to 2		WC02_GRAB_13-15 3/8/2018 L1808297-06 13 to 15		WC02_GRAB_8-10 3/8/2018 L1808297-05 8 to 10		WC03_GRAB_LB12_13-15 3/12/2018 L1808531-01 13 to 15		WC_GRAB_DUP01 3/12/2018 L1808531-05 13 to 16		WC04_GRAB_LB08_14-16 3/12/2018 L1808531-02 14 to 16	
TCLP Volatile Organic Compounds (mg/l)																			
1,1-Dichloroethene	0.33	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	0.02	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	1.8	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Butanone	0.12	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzene	0.06	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Carbon tetrachloride	0.76	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlorobenzene	1.1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	0.37	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
Tetrachloroethene	1.3	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	0.47	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl chloride	0.02	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U

Notes:
1. Soil sample analytical results are compared to the Resource Conservation and Recovery Act (RCRA) Hazardous Waste Regulatory Levels for Toxicity Characteristics.
2. Analytes were not detected at concentrations above the regulatory comparison.
3. WC_COMP_DUP01 is a duplicate of WC03_COMP_13-16.
4. ~ = No regulatory limit has been established for this analyte
5. mg/kg = milligram per kilogram
6. mg/l = milligram per liter
7. bgs = below grade surface
8. TCLP = Toxicity Characteristic Leaching Procedure
9. NT = Not Tested

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL) but below the reporting limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 6
Groundwater Sample Analtyical Results
Waste Characterization Report
300 West 122nd Street
New York, New York
Langan Project No. 170500201

LOCATION SAMPLING DATE LAB SAMPLE ID	NYCDEP Sewer Criteria	LMW16_032018 3/20/2018 L1809600-01	
Volatile Organic Compounds (mg/l)			
1,1,1-Trichloroethane	~	0.005	U
1,4-Dichlorobenzene	~	0.012	U
Benzene	0.134	0.0025	U
Carbon tetrachloride	~	0.0025	U
Chloroform	~	0.0016	J
Ethylbenzene	0.38	0.0025	U
Methyl tert butyl Ether	0.05	0.025	U
o-Xylene	~	0.0025	U
p/m-Xylene	~	0.005	U
Tetrachloroethene	0.02	0.003	J
Toluene	0.074	0.0025	U
Xylenes, Total	0.074	0.0025	U
Semivolatile Organic Compounds (mg/l)			
1,2,4-Trichlorobenzene	~	0.005	U
Naphthalene	0.047	0.0017	J
Phenol	~	0.005	U
Polychlorinated Biphenyls (mg/l)			
Aroclor 1016	~	0.00005	U
Aroclor 1221	~	0.00005	U
Aroclor 1232	~	0.00005	U
Aroclor 1242	~	0.00005	U
Aroclor 1248	~	0.00005	U
Aroclor 1254	~	0.00005	U
Aroclor 1260	~	0.00005	U
Total PCBs	0.001	ND	
Total Metals (mg/l)			
Cadmium, Total	2	0.005	U
Chromium, Hexavalent	5	0.01	U
Copper, Total	5	0.01	U
Lead, Total	2	0.003	J
Mercury, Total	0.05	0.0002	U
Nickel, Total	3	0.025	U
Zinc, Total	5	0.002	J
General Chemistry			
CBOD, 5 day (mg/l)	~	4.3	
Chloride (mg/l)	~	250	
Flash Point (deg F)	>140	>150	
Nitrogen, Nitrate/Nitrite (mg/l)	~	2.5	
Nitrogen, Total Kjeldahl (mg/l)	~	0.938	
Non-Polar Material (mg/l)	50	4	U
pH (SU)	5 to 12	7.2	
Total Nitrogen (mg/l)	~	3.4	
Total Solids (mg/l)	~	1100	
Total Suspended Solids (mg/l)	350	28	

Notes:
1. Groundwater sample analytical results are compared to the New York City Department of Environmental Protection (NYCDEP) Limitations for Effluent to Sanitary or Combined Sewers (Table A).
2. Analytes were not detected at concentrations above the regulatory comparison criteria
3. ~ = No regulatory limit has been established for this analytle
4. mg/l = milligram per liter
5. deg F = degrees Fahrenheit
6. SU = standard unit
7. CBOD = Carbonaceous Biochemical Demand
8. ND = not detected

Qualifiers:
J = The analytle was detected above the Method Detection Limit (MDL), but below the reporting limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 7
QA/QC Sample Analytical Results
New York, New York
Waste Characterization Report
Langan Project No. 170500201

Sample ID	SO_TB01_030818		WC_FB01_031218		WC_TB02_031218	
Sampling Date	3/9/2018		3/12/2018		3/12/2018	
Lab Sample ID	L1808297-13		L1808531-08		L1808531-07	
Volatile Organic Compounds (VOCs) (ug/l)						
1,1,1,2-Tetrachloroethane	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	2.5	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	2	U	2	U	2	U
1,2,4-Trichlorobenzene	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	2	U	2	U	2	U
1,2-Dichlorobenzene	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	1	U	1	U	1	U
1,3,5-Trimethylbenzene	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	2.5	U	2.5	U	2.5	U
1,3-Dichloropropene, Total	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	2.5	U	2.5	U	2.5	U
1,4-Dioxane	250	U	250	U	250	U
2,2-Dichloropropane	2.5	U	2.5	U	2.5	U
2-Butanone	5	U	5	U	5	U
2-Hexanone	5	U	5	U	5	U
4-Methyl-2-pentanone	5	U	5	U	5	U
Acetone	23		5	U	5	U
Acrolein	5	U	5	U	5	U
Acrylonitrile	5	U	5	U	5	U
Benzene	0.5	U	0.5	U	0.5	U
Bromobenzene	2.5	U	2.5	U	2.5	U
Bromochloromethane	2.5	U	2.5	U	2.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U
Bromoform	2	U	2	U	2	U
Bromomethane	2.5	U	2.5	U	2.5	U
Carbon disulfide	5	U	5	U	5	U
Carbon tetrachloride	0.5	U	0.5	U	0.5	U
Chlorobenzene	2.5	U	2.5	U	2.5	U
Chloroethane	2.5	U	2.5	U	2.5	U
Chloroform	2.5	U	2.5	U	2.5	U
Chloromethane	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	2.5	U	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U
Cyclohexane	10	U	10	U	10	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U
Dibromomethane	5	U	5	U	5	U
Dichlorodifluoromethane	5	U	5	U	5	U
Ethyl ether	2.5	U	2.5	U	2.5	U
Ethylbenzene	2.5	U	2.5	U	2.5	U
Freon-113	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	2.5	U	2.5	U	2.5	U
Isopropylbenzene	2.5	U	2.5	U	2.5	U
Methyl Acetate	2	U	2	U	2	U
Methyl cyclohexane	10	U	10	U	10	U
Methyl tert butyl ether	2.5	U	2.5	U	2.5	U
Methylene chloride	2.5	U	2.5	U	2.5	U
n-Butylbenzene	2.5	U	2.5	U	2.5	U
n-Propylbenzene	2.5	U	2.5	U	2.5	U
Naphthalene	2.5	U	2.5	U	2.5	U
o-Chlorotoluene	2.5	U	2.5	U	2.5	U
o-Xylene	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	2.5	U	2.5	U	2.5	U
p-Diethylbenzene	2	U	2	U	2	U
p-Ethyltoluene	2	U	2	U	2	U
p-Isopropyltoluene	2.5	U	2.5	U	2.5	U
p/m-Xylene	2.5	U	2.5	U	2.5	U
sec-Butylbenzene	2.5	U	2.5	U	2.5	U
Styrene	2.5	U	2.5	U	2.5	U
Tert-Butyl Alcohol	10	U	10	U	10	U
tert-Butylbenzene	2.5	U	2.5	U	2.5	U
Tetrachloroethene	0.5	U	0.5	U	0.5	U
Toluene	2.5	U	2.5	U	2.5	U
trans-1,2-Dichloroethene	2.5	U	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U
trans-1,4-Dichloro-2-butene	2.5	U	2.5	U	2.5	U
Trichloroethene	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	2.5	U	2.5	U	2.5	U
Vinyl acetate	5	U	5	U	5	U
Vinyl chloride	1	U	1	U	1	U
Xylenes, Total	2.5	U	2.5	U	2.5	U
Extractable Petroleum Hydrocarbon (EPH) (ug/l)						
Total EPH	NT	NT	360	U	NT	NT
Semivolatile Organic Compounds (SVOCs)						
1,2,4,5-Tetrachlorobenzene	NT	NT	10	U	NT	NT
1,2,4-Trichlorobenzene	NT	NT	5	U	NT	NT
1,2-Dichlorobenzene	NT	NT	2	U	NT	NT
1,3-Dichlorobenzene	NT	NT	2	U	NT	NT
1,4-Dichlorobenzene	NT	NT	2	U	NT	NT
2,3,4,6-Tetrachlorophenol	NT	NT	5	U	NT	NT

Notes:
1. QA/QC = Quality Assurance/Quality Control
2. NT = Not tested
3. ug/l = microgram per liter

Qualifiers:
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U = The analyte was analyzed for but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 7
QA/QC Sample Analytical Results
New York, New York
Waste Characterization Report
Langan Project No. 170500201

Sample ID	SO_TB01_030818		WC_FB01_031218		WC_TB02_031218	
Sampling Date	3/9/2018		3/12/2018		3/12/2018	
Lab Sample ID	L1808297-13		L1808531-08		L1808531-07	
Semivolatile Organic Compounds (SVOCs)						
2,4,5-Trichlorophenol	NT	NT	5	U	NT	NT
2,4,6-Trichlorophenol	NT	NT	5	U	NT	NT
2,4-Dichlorophenol	NT	NT	5	U	NT	NT
2,4-Dimethylphenol	NT	NT	5	U	NT	NT
2,4-Dinitrophenol	NT	NT	20	U	NT	NT
2,4-Dinitrotoluene	NT	NT	5	U	NT	NT
2,6-Dinitrotoluene	NT	NT	5	U	NT	NT
2-Chloronaphthalene	NT	NT	2	U	NT	NT
2-Chlorophenol	NT	NT	2	U	NT	NT
2-Methylnaphthalene	NT	NT	2	U	NT	NT
2-Methylphenol	NT	NT	5	U	NT	NT
2-Nitroaniline	NT	NT	5	U	NT	NT
2-Nitrophenol	NT	NT	10	U	NT	NT
3,3'-Dichlorobenzidine	NT	NT	5	U	NT	NT
3-Methylphenol/4-Methylphenol	NT	NT	5	U	NT	NT
3-Nitroaniline	NT	NT	5	U	NT	NT
4,6-Dinitro-o-cresol	NT	NT	10	U	NT	NT
4-Bromophenyl phenyl ether	NT	NT	2	U	NT	NT
4-Chloroaniline	NT	NT	5	U	NT	NT
4-Chlorophenyl phenyl ether	NT	NT	2	U	NT	NT
4-Nitroaniline	NT	NT	5	U	NT	NT
4-Nitrophenol	NT	NT	10	U	NT	NT
Acenaphthene	NT	NT	2	U	NT	NT
Acenaphthylene	NT	NT	2	U	NT	NT
Acetophenone	NT	NT	5	U	NT	NT
Anthracene	NT	NT	2	U	NT	NT
Atrazine	NT	NT	10	U	NT	NT
Azobenzene	NT	NT	2	U	NT	NT
Benzaldehyde	NT	NT	5	U	NT	NT
Benzidine	NT	NT	20	U	NT	NT
Benzo(a)anthracene	NT	NT	2	U	NT	NT
Benzo(a)pyrene	NT	NT	2	U	NT	NT
Benzo(b)fluoranthene	NT	NT	2	U	NT	NT
Benzo(ghi)perylene	NT	NT	2	U	NT	NT
Benzo(k)fluoranthene	NT	NT	2	U	NT	NT
Benzoic Acid	NT	NT	50	U	NT	NT
Benzyl Alcohol	NT	NT	2	U	NT	NT
Biphenyl	NT	NT	2	U	NT	NT
Bis(2-chloroethoxy)methane	NT	NT	5	U	NT	NT
Bis(2-chloroethyl)ether	NT	NT	2	U	NT	NT
Bis(2-chloroisopropyl)ether	NT	NT	2	U	NT	NT
Bis(2-ethylhexyl)phthalate	NT	NT	3	U	NT	NT
Butyl benzyl phthalate	NT	NT	5	U	NT	NT
Caprolactam	NT	NT	10	U	NT	NT
Carbazole	NT	NT	2	U	NT	NT
Chrysene	NT	NT	2	U	NT	NT
Di-n-butylphthalate	NT	NT	5	U	NT	NT
Di-n-octylphthalate	NT	NT	5	U	NT	NT
Dibenzo(a,h)anthracene	NT	NT	2	U	NT	NT
Dibenzofuran	NT	NT	2	U	NT	NT
Diethyl phthalate	NT	NT	5	U	NT	NT
Dimethyl phthalate	NT	NT	5	U	NT	NT
Fluoranthene	NT	NT	2	U	NT	NT
Fluorene	NT	NT	2	U	NT	NT
Hexachlorobenzene	NT	NT	2	U	NT	NT
Hexachlorobutadiene	NT	NT	2	U	NT	NT
Hexachlorocyclopentadiene	NT	NT	20	U	NT	NT
Hexachloroethane	NT	NT	2	U	NT	NT
Indeno(1,2,3-cd)pyrene	NT	NT	2	U	NT	NT
Isophorone	NT	NT	5	U	NT	NT
n-Nitrosodi-n-propylamine	NT	NT	5	U	NT	NT
n-Nitrosodimethylamine	NT	NT	2	U	NT	NT
Naphthalene	NT	NT	2	U	NT	NT
NDPA/DPA	NT	NT	2	U	NT	NT
Nitrobenzene	NT	NT	2	U	NT	NT
p-Chloro-m-cresol	NT	NT	2	U	NT	NT
Pentachlorophenol	NT	NT	10	U	NT	NT
Phenanthrene	NT	NT	2	U	NT	NT
Phenol	NT	NT	5	U	NT	NT
Pyrene	NT	NT	2	U	NT	NT
Total Metals (ug/l)						
Aluminum, Total	NT	NT	100	U	NT	NT
Antimony, Total	NT	NT	50	U	NT	NT
Arsenic, Total	NT	NT	5	U	NT	NT
Barium, Total	NT	NT	10	U	NT	NT
Beryllium, Total	NT	NT	5	U	NT	NT
Cadmium, Total	NT	NT	5	U	NT	NT
Calcium, Total	NT	NT	49	J	NT	NT
Chromium, Total	NT	NT	10	U	NT	NT
Chromium, Hexavalent	NT	NT	10	U	NT	NT
Chromium, Trivalent	NT	NT	10	U	NT	NT
Cobalt, Total	NT	NT	20	U	NT	NT
Copper, Total	NT	NT	10	U	NT	NT
Cyanide, Total	NT	NT	5	U	NT	NT
Iron, Total	NT	NT	50	U	NT	NT
Lead, Total	NT	NT	10	U	NT	NT
Magnesium, Total	NT	NT	100	U	NT	NT
Manganese, Total	NT	NT	10	U	NT	NT
Mercury, Total	NT	NT	0.2	U	NT	NT
Nickel, Total	NT	NT	25	U	NT	NT
Potassium, Total	NT	NT	2500	U	NT	NT
Selenium, Total	NT	NT	10	U	NT	NT
Silver, Total	NT	NT	7	U	NT	NT
Sodium, Total	NT	NT	182	J	NT	NT
Thallium, Total	NT	NT	2	J	NT	NT
Vanadium, Total	NT	NT	10	U	NT	NT
Zinc, Total	NT	NT	50	U	NT	NT

Notes:
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Table 7
QA/QC Sample Analytical Results
New York, New York
Waste Characterization Report
Langan Project No. 170500201

Sample ID	SO_TB01_030818		WC_FB01_031218		WC_TB02_031218	
Sampling Date	3/9/2018		3/12/2018		3/12/2018	
Lab Sample ID	L1808297-13		L1808531-08		L1808531-07	
Pesticides (ug/l)						
4,4'-DDD	NT	NT	0.04	U	NT	NT
4,4'-DDE	NT	NT	0.04	U	NT	NT
4,4'-DDT	NT	NT	0.04	U	NT	NT
Aldrin	NT	NT	0.02	U	NT	NT
Alpha-BHC	NT	NT	0.02	U	NT	NT
Beta-BHC	NT	NT	0.02	U	NT	NT
Chlordane	NT	NT	0.2	U	NT	NT
cis-Chlordane	NT	NT	0.02	U	NT	NT
Delta-BHC	NT	NT	0.02	U	NT	NT
Dieldrin	NT	NT	0.04	U	NT	NT
Endosulfan I	NT	NT	0.02	U	NT	NT
Endosulfan II	NT	NT	0.04	U	NT	NT
Endosulfan sulfate	NT	NT	0.04	U	NT	NT
Endrin	NT	NT	0.04	U	NT	NT
Endrin aldehyde	NT	NT	0.04	U	NT	NT
Endrin ketone	NT	NT	0.04	U	NT	NT
Heptachlor	NT	NT	0.02	U	NT	NT
Heptachlor epoxide	NT	NT	0.02	U	NT	NT
Lindane	NT	NT	0.02	U	NT	NT
Methoxychlor	NT	NT	0.2	U	NT	NT
Toxaphene	NT	NT	0.2	U	NT	NT
trans-Chlordane	NT	NT	0.02	U	NT	NT
Herbicides (ug/l)						
2,4,5-T	NT	NT	2	U	NT	NT
2,4,5-TP (Silvex)	NT	NT	2	U	NT	NT
2,4-D	NT	NT	10	U	NT	NT
Polychlorinated Biphenyls (ug/l)						
Aroclor 1016	NT	NT	0.083	U	NT	NT
Aroclor 1221	NT	NT	0.083	U	NT	NT
Aroclor 1232	NT	NT	0.083	U	NT	NT
Aroclor 1242	NT	NT	0.083	U	NT	NT
Aroclor 1248	NT	NT	0.083	U	NT	NT
Aroclor 1254	NT	NT	0.083	U	NT	NT
Aroclor 1260	NT	NT	0.083	U	NT	NT
Aroclor 1262	NT	NT	0.083	U	NT	NT
Aroclor 1268	NT	NT	0.083	U	NT	NT
PCBs, Total	NT	NT	0.083	U	NT	NT

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3. ug/l = microgram per liter

Qualifiers:
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U = The analyte was analyzed for but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

ATTACHMENT 1

SOIL BORING LOGS

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Log of Boring **LB01** Sheet 1 of 1

Project: 300 West 122nd Street	Project No.: 170500202
Location: New York, New York	Elevation and Datum: NA
Drilling Company: AARCO Environmental Services	Date Started: 3/12/18 / Date Finished: 3/12/18
Drilling Equipment: Geoprobe 7730 DT Drill Rig	Completion Depth: 18 ft / Rock Depth: NA
Size and Type of Bit: 2-inch Diameter Steel Macrocore Cutting Shoe	Number of Samples: Disturbed 2 / Undisturbed NA / Core NA
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA / Completion NA / 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: Daybi Pacheco
Sampler: 2-inch Diameter 4-foot Long Steel Macrocore	Field Engineer: Luke McCartney
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 - Loose, brown to grey, fine SAND, some fine gravel, trace medium sand, brick (moist) [FILL]	0					0.0	
			1					0.0	
			2	R1	MACROCORE	17/48"		0.0	
			3						
			4						
			5						
		R2 - Loose, brown to grey, fine SAND, trace medium sand, trace fine gravel, trace silt, brick, concrete (moist) [FILL]	6	R2	MACROCORE	23/48"		0.0	
			7					0.1	
			8					0.0	
			9					0.0	
		R3 - Loose, brown to dark grey, fine SAND, trace silt, trace fine gravel, trace slag, brick, concrete (moist) [FILL]	10	R3	MACROCORE	36/48"		0.0	
			11					0.0	
			12					0.0	
			13					0.0	
		R4a (0-19") - Loose, grey, fine SAND, trace medium sand, trace fine gravel, trace slag (moist) [FILL]	14	R4	MACROCORE	28/48"		0.0	Collect WC04_GRAB_LB01_14-16 for composite sample (8:45)
		R4b (19-28") - Loose, brown, medium SAND (moist)	15					0.0	
			16					0.0	
		R5 - Loose, brown, medium SAND (moist)	17	R5	MACROCORE	12/24"		0.0	Collect LB01_16-18 for VOCs/SVOCs (8:50)
			18					0.0	End of boring at 18 feet bgs. Borehole backfilled using clean soil cuttings to grade. Samples collected between 13-16 feet bgs analyzed for waste characterization parameters. Samples collected between 16-18 feet bgs analyzed for remedial design parameters.
			19						
			20						
			21						
			22						
			23						
			24						

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Log of Boring **LB02** Sheet 1 of 1

Project: 300 West 122nd Street	Project No.: 170500202
Location: New York, New York	Elevation and Datum: NA
Drilling Company: AARCO Environmental Services	Date Started: 3/8/18 / Date Finished: 3/8/18
Drilling Equipment: Geoprobe 7822 DT Drill Rig	Completion Depth: 18 ft / Rock Depth: NA
Size and Type of Bit: 2-inch Diameter Steel Macrocore Cutting Shoe	Number of Samples: Disturbed 5 / Undisturbed NA / Core NA
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA / Completion NA / 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: Daybi Pacheco
Sampler: 2-inch Diameter 4-foot Long Steel Macrocore	Field Engineer: Luke McCartney
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 - Loose, brown to grey, fine SAND, some medium sand, trace silt, trace coarse sand, trace fine gravel, brick, concrete (moist) [FILL]	0					0.0	
			1	R1	MACROCORE	24/48"		0.0	Collect WC02_GRAB_LB02_1-3 for composite sample (9:50)
			2					0.0	
			3					0.0	
			4						
			5						
		R2a (0-14") - Loose, brown to grey, fine SAND, some medium sand, trace silt, trace coarse sand, trace fine gravel, brick, concrete (moist) [FILL]	6	R2	MACROCORE	27/48"		0.0	
			7					0.0	
		R2b (14-27") - Red BRICK (moist) [FILL]	8					0.0	
								0.0	Collect WC02_GRAB_LB02_8-10 for composite sample (9:55)
		R3 - Red BRICK (moist) [FILL]	9	R3	MACROCORE	16/24"		0.0	
			10					0.0	
			11						
		R4a (0-19") - Medium-dense, brown, clayey SILT, trace fine sand, trace fine gravel, brick, concrete (moist) [FILL]	12	R4	MACROCORE	28/48"		0.0	
			13					0.0	
		R4b (19-28") - Loose, brown, fine SAND, some silt, trace clay, trace fine gravel (moist to wet)	14					0.0	Collect WC02_GRAB_LB02_13-15 for composite sample (10:15)
			15						
		R5 - Loose, brown, medium SAND, some fine sand, trace fine gravel, trace silt (wet)	16	R5	MACROCORE	21/48"			Collect WC02_GRAB_LB02_15-16 for composite sample (10:20)
			17					0.0	Collect LB02_16-18 for VOCs/SVOCs (10:25)
			18					0.0	End of boring at 18 feet bgs.
			19					0.0	Borehole backfilled using clean soil cuttings to grade. Samples collected between 0-16 feet bgs analyzed for waste characterization parameters. Samples collected between 16-18 feet bgs analyzed for remedial design parameters.
			20						
			21						
			22						
			23						
			24						

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Log of Boring **LB03** Sheet 1 of 1

Project: 300 West 122nd Street	Project No.: 170500202
Location: New York, New York	Elevation and Datum: NA
Drilling Company: AARCO Environmental Services	Date Started: 3/8/18 — Date Finished: 3/8/18
Drilling Equipment: Geoprobe 7822 DT Drill Rig	Completion Depth: 18 ft — Rock Depth: NA
Size and Type of Bit: 2-inch Diameter Steel Macrocore Cutting Shoe	Number of Samples: Disturbed 6 — Undisturbed NA — Core NA
Casing Diameter (in): NA — Casing Depth (ft): NA	Water Level (ft.): First NA — Completion NA — 24 HR. NA
Casing Hammer: NA — Weight (lbs): NA — Drop (in): NA	Drilling Foreman: Daybi Pacheco
Sampler: 2-inch Diameter 4-foot Long Steel Macrocore	Field Engineer: Luke McCartney
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 - Loose, brown to grey, fine SAND, some medium sand, trace coarse sand, trace fine gravel, brick (moist) [FILL]	0					0.0	
			1	R1	MACROCORE	14/48"		0.1	
			2					0.0	Collect WC01_GRAB_LB03_0-2 for composite sample (12:50)
			3						Collect WC01_GRAB_LB03_2-4 for composite sample (12:52)
			4						
			5	R2	MACROCORE	12/48"			
			6						
		R2 - Red BRICK [FILL]	7					0.0	
			8					0.0	Collect WC01_GRAB_LB03_7-9 for composite sample (12:55)
			9						Collect WC01_GRAB_LB03_8-10 for composite sample (12:58)
			10	R3	MACROCORE	22/48"			
		R3 - Loose, brown to grey, fine SAND, trace silt, brick, slag, coal ash (moist) [FILL]	11					0.0	Collect WC01_GRAB_LB03_10-12 for VOCs/EPH and composite sample (13:00)
			12					0.0	
			13						
		R4 - Loose, reddish-brown, medium SAND, trace fine gravel (wet)	14	R4	MACROCORE	25/48"		0.0	
			15					0.0	
			16					0.0	
		R5 - Loose, reddish-brown, medium SAND, trace fine gravel (wet)	17	R5	MACROCORE	21/24"		0.0	Collect LB03_16-18 for VOCs/SVOCs (13:05)
			18					0.0	End of boring at 18 feet bgs. Borehole backfilled using clean soil cuttings to grade. Samples collected between 13-16 feet bgs analyzed for waste characterization parameters. Samples collected between 16-18 feet bgs analyzed for remedial design paramaters.
			19						
			20						
			21						
			22						
			23						
			24						

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Log of Boring **LB04** Sheet 1 of 1

Project: 300 West 122nd Street	Project No.: 170500202
Location: New York, New York	Elevation and Datum: NA
Drilling Company: AARCO Environmental Services	Date Started: 3/8/18 / Date Finished: 3/8/18
Drilling Equipment: Geoprobe 7822 DT Drill Rig	Completion Depth: 16 ft / Rock Depth: NA
Size and Type of Bit: 2-inch Diameter Steel Macrocore Cutting Shoe	Number of Samples: Disturbed 6 / Undisturbed NA / Core NA
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA / Completion NA / 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: Daybi Pacheco
Sampler: 2-inch Diameter 4-foot Long Steel Macrocore	Field Engineer: Luke McCartney
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 - Loose to medium-dense, brown, fine SAND, some medium sand, trace silt, trace fine gravel, brick, concrete (moist) [FILL]	0	R1	MACROCORE	20/48"		0.0	
			1					0.0	
			2					0.0	Collect WC02_GRAB_LB04_0-2 for composite sample (9:20)
			3					0.0	
			4						Collect WC02_GRAB_LB04_2-4 for composite sample (9:20)
			5	R2	MACROCORE	10/48"			
			6						Collect WC02_GRAB_LB04_6-8 for composite sample (9:25)
		R2 - Loose, reddish-brown, fine SAND, trace medium sand, brick, brownstone, concrete (moist) [FILL]	7					0.0	
			8					0.0	Collect WC02_GRAB_LB04_7-9 for composite sample (9:30)
			9	R3	MACROCORE	17/48"			
			10						
		R3 - Loose, brown, fine SAND, trace medium sand, trace silt, trace fine gravel, brick, concrete (moist) [FILL]	11					0.0	
			12					0.0	Collect WC02_GRAB_LB04_12-14 for composite sample (9:35)
			13					0.0	
		R4a (0-4") - Loose, brown, medium SAND, trace fine sand, brick, concrete (moist) [FILL]	14	R4	MACROCORE	26/48"		0.0	
		R4b (4-26") - Loose, brown, medium SAND, trace coarse sand, trace fine gravel (moist)	15					0.0	
			16					0.0	Collect LB04_16-18 for VOCs/SVOCs (9:20)
		R5 - Loose, brown, medium SAND, trace coarse sand, trace fine gravel (moist)	17	R5	MACROCORE	10/24"		0.0	
			18					0.0	End of boring at 18 feet bgs. Borehole backfilled using clean soil cuttings to grade. Samples collected between 0-16 feet bgs analyzed for waste characterization parameters. Samples collected between 16-18 feet bgs analyzed for remedial design parameters.
			19						
			20						
			21						
			22						
			23						
			24						

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Log of Boring **LB05** Sheet 1 of 1

Project: 300 West 122nd Street	Project No.: 170500202
Location: New York, New York	Elevation and Datum: NA
Drilling Company: AARCO Environmental Services	Date Started: 3/8/18 / Date Finished: 3/8/18
Drilling Equipment: Geoprobe 7822 DT Drill Rig	Completion Depth: 18 ft / Rock Depth: NA
Size and Type of Bit: 2-inch Diameter Steel Macrocore Cutting Shoe	Number of Samples: Disturbed 7 / Undisturbed NA / Core NA
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA / Completion NA / 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: Daybi Pacheco
Sampler: 2-inch Diameter 4-foot Long Steel Macrocore	Field Engineer: Luke McCartney
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 - Medium-dense, brown to grey, fine SAND, trace medium sand, trace fine gravel, brick, concrete, timber (moist) [FILL]	0					0.0	
			1	R1	MACROCORE	19/48"		0.1	Collect WC01_GRAB_LB05_1-3 for VOCs/EPH and composite sample (11:10)
			2					0.0	
			3						Collect WC01_GRAB_LB05_3-5 for composite sample (11:11)
			4						
			5	R2	MACROCORE	10/48"			Collect WC01_GRAB_LB05_5-7 for composite sample (11:15)
			6						
		R2 - Medium-dense, brown, fine SAND, some silt, trace medium sand, trace fine gravel, coal ash (moist) [FILL]	7					0.0	
			8	R3	MACROCORE	6/48"		0.0	Collect WC01_GRAB_LB05_8-10 for composite sample (11:20)
		R3 - Medium-dense, brown, fine SAND, trace silt, brick, concrete (moist) [FILL]	9						
			10	R4	MACROCORE	24/48"		0.0	Collect WC01_GRAB_LB05_10-12 for composite sample (11:25)
		R4a (0-8") - Medium-dense, brown, fine SAND, brick, concrete (moist) [FILL]	11						
			12					0.0	Collect WC01_GRAB_LB05_12-14 for composite sample (11:26)
		R4b (8-24") - Loose, reddish-brown, medium SAND, trace fine sand, trace fine gravel (moist)	13					0.0	
			14					0.0	
			15						
		R5 - Loose, reddish-brown, medium SAND, trace fine gravel (moist)	16	R5	MACROCORE	29/48"		0.0	Collect LB05_16-18 for VOCs/SVOCs (11:30)
			17					0.0	
			18					0.0	End of boring at 18 feet bgs. Borehole backfilled using clean soil cuttings to grade. Samples collected between 0-16 feet bgs analyzed for waste characterization parameters. Samples collected between 16-18 feet bgs analyzed for remedial design parameters.
			19						
			20						
			21						
			22						
			23						
			24						

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Log of Boring **LB06** Sheet 1 of 1

Project: 300 West 122nd Street	Project No.: 170500202
Location: New York, New York	Elevation and Datum: NA
Drilling Company: AARCO Environmental Services	Date Started: 3/12/18 / Date Finished: 3/12/18
Drilling Equipment: Geoprobe 7730 DT Drill Rig	Completion Depth: 18 ft / Rock Depth: NA
Size and Type of Bit: 2-inch Diameter Steel Macrocore Cutting Shoe	Number of Samples: Disturbed 3 / Undisturbed NA / Core NA
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA / Completion NA / 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: Daybi Pacheco
Sampler: 2-inch Diameter 4-foot Long Steel Macrocore	Field Engineer: Luke McCartney
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 - Loose, grey, fine SAND, trace fine gravel, brick, concrete, timbers (moist) [FILL]	0	R1	MACROCORE	21/48"		0.0	
			1					0.1	
			2					0.0	
			3						
			4						
		R2 - Loose, grey to brown, fine SAND, trace fine gravel, brick, cocrete (moist) [FILL]	5	R2	MACROCORE	21/48"			
			6					0.0	
			7					0.0	
			8					0.0	
		R3 - Loose, brown, fine SAND, trace fine gravel, brick, concrete (moist) [FILL]	9	R3	MACROCORE	21/48"			
			10					0.0	
			11					0.0	
			12					0.0	
		R4 - Loose, brown to grey, fine SAND, trace fine gravel, brick, concrete (moist) [FILL]	13	R4	MACROCORE	21/48"			Collect WC03_GRAB_LB06_13-14.5 for composite sample (11:50)
			14					0.0	
			15					0.0	
			16					0.0	Collect WC03_GRAB_LB06_14.5-16 for composite sample (11:55)
		R5 - Loose, brown, medium SAND (moist)	17	R5	MACROCORE	21/24"		0.0	Collect LB06_16-18 for VOCs/SVOCs (12:00)
			18					0.0	End of boring at 18 feet bgs. Borehole backfilled using clean soil cuttings to grade. Samples collected between 13-16 feet bgs analyzed for waste characterization parameters. Samples collected between 16-18 feet bgs analyzed for remedial design parameters.
			19						
			20						
			21						
			22						
			23						
			24						

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Log of Boring **LB07** Sheet 1 of 1

Project: 300 West 122nd Street	Project No.: 170500202
Location: New York, New York	Elevation and Datum: NA
Drilling Company: AARCO Environmental Services	Date Started: 3/8/18 / Date Finished: 3/8/18
Drilling Equipment: Geoprobe 7822 DT Drill Rig	Completion Depth: 18 ft / Rock Depth: NA
Size and Type of Bit: 2-inch Diameter Steel Macrocore Cutting Shoe	Number of Samples: Disturbed 7 / Undisturbed NA / Core NA
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA / Completion NA / 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: Daybi Pacheco
Sampler: 2-inch Diameter 4-foot Long Steel Macrocore	Field Engineer: Luke McCartney
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 - Loose, brown to grey, fine SAND, some medium sand, trace coarse sand, trace fine gravel, brick, concrete (moist to wet) [FILL]	0					0.0	
			1	R1	MACROCORE	17/48"		0.1	Collect WC02_GRAB_LB07_1-3 for composite sample (10:35)
			2					0.0	
			3						Collect WC02_GRAB_LB07_3-5 for composite sample (10:40)
			4						
			5						Collect WC02_GRAB_LB07_5-7 for composite sample (10:40)
			6	R2	MACROCORE	14/48"			
		R2 - Loose, light brown, fine SAND, brick, slag (moist) [FILL]	7					0.0	
								0.0	
			8					0.1	Collect WC02_GRAB_LB07_8-10 for VOCs/EPH and composite sample (10:42)
			9						
			10	R3	MACROCORE	16/48"			
		R3a (0-11") - Loose, brown to grey, fine SAND, trace medium sand, trace fine gravel, brick, concrete (moist) [FILL]	11					0.0	
								0.0	Collect WC02_GRAB_LB07_11-13 for composite sample (10:45)
		R3b (11-16") - Loose, brown, medium SAND, trace fine gravel (moist)	12					0.0	
			13						
			14	R4	MACROCORE	15/48"			Collect WC02_GRAB_LB07_14-16 for composite sample (10:50)
		R4 - Loose, brown, medium SAND, trace fine gravel (moist to wet)	15					0.0	
								0.0	
			16					0.0	Collect LB07_16-18 for VOCs/SVOCs (10:55)
			17	R5	MACROCORE	11/24"		0.0	
		R5 - Loose, brown, medium SAND, trace fine gravel (moist)	18					0.0	End of boring at 18 feet bgs. Borehole backfilled using clean soil cuttings to grade. Samples collected between 0-16 feet bgs analyzed for waste characterization parameters. Samples collected between 16-18 feet bgs analyzed for remedial design parameters.
			19						
			20						
			21						
			22						
			23						
			24						

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Log of Boring **LB08** Sheet 1 of 1

Project: 300 West 122nd Street	Project No.: 170500202
Location: New York, New York	Elevation and Datum: NA
Drilling Company: AARCO Environmental Services	Date Started: 3/12/18 / Date Finished: 3/12/18
Drilling Equipment: Geoprobe 7730 DT Drill Rig	Completion Depth: 18 ft / Rock Depth: NA
Size and Type of Bit: 2-inch Diameter Steel Macrocore Cutting Shoe	Number of Samples: Disturbed 4 / Undisturbed NA / Core NA
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA / Completion NA / 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: Daybi Pacheco
Sampler: 2-inch Diameter 4-foot Long Steel Macrocore	Field Engineer: Luke McCartney
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 - Loose, grey, fine SAND, trace medium sand, trace fine gravel, concrete (moist) [FILL]	0	R1	MACROCORE	21/48"		0.0	
			1					0.1	
			2					0.0	
			3						
			4						
		R2 - Loose, grey to black, fine SAND, trace fine gravel, brick, concrete, coal ash (moist) [FILL]	5	R2	MACROCORE	24/48"			
			6					0.1	
			7					0.0	
			8					0.0	
			9					0.0	
		R3 - Loose, grey, fine SAND, trace fine gravel, brick, concrete (moist) [FILL]	10	R3	MACROCORE	29/48"			
			11					0.0	
			12					0.1	
			13					0.2	
			14					0.1	
		R4 - Loose, grey to black, fine SAND, trace fine gravel, brick, concrete, slag (moist) [FILL]	15	R4	MACROCORE	27/48"		0.0	
			16					0.0	Collect WC04_GRAB_LB08_13-14.5 for composite sample (9:50)
			17					0.0	Collect WC04_GRAB_LB08_14.5-16 for composite sample (9:50)
		R5 - Loose, tan to grey, fine SAND, trace fine gravel, brick, concrete (moist) [FILL]	18	R5	MACROCORE	18/24"		0.0	
			19					0.0	
			20					0.0	Collect LB08_16-18 and SO_DUP01_031218 for VOCs/SVOCs (10:20)
			21						End of boring at 18 feet bgs. Borehole backfilled using clean soil cuttings to grade. Samples collected between 13-16 feet bgs analyzed for waste characterization parameters. Samples collected between 16-18 feet bgs analyzed for remedial design parameters.
			22						
			23						
			24						

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Log of Boring **LB09** Sheet 1 of 1

Project: 300 West 122nd Street	Project No.: 170500202
Location: New York, New York	Elevation and Datum: NA
Drilling Company: AARCO Environmental Services	Date Started: 3/12/18 / Date Finished: 3/12/18
Drilling Equipment: Geoprobe 7730 DT Drill Rig	Completion Depth: 18 ft / Rock Depth: NA
Size and Type of Bit: 2-inch Diameter Steel Macrocore Cutting Shoe	Number of Samples: Disturbed 3 / Undisturbed NA / Core NA
Casing Diameter (in): NA / Casing Depth (ft): NA	Water Level (ft.): First NA / Completion NA / 24 HR. NA
Casing Hammer: NA / Weight (lbs): NA / Drop (in): NA	Drilling Foreman: Daybi Pacheco
Sampler: 2-inch Diameter 4-foot Long Steel Macrocore	Field Engineer: Luke McCartney
Sampler Hammer: NA / Weight (lbs): NA / Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 - Loose, grey, fine SAND, some fine gravel (moist) [FILL]	0					0.0	
			1	R1	MACROCORE	14/48"		0.1	
			2					0.0	
			3						
			4						
		R2 - Loose, grey, fine SAND, some fine gravel, brick, concrete (moist) [FILL]	5						
			6	R2	MACROCORE	24/48"		0.0	
			7					0.0	
			8					0.0	
		R3 - Loose, grey, fine SAND, some fine gravel, brick, concrete (moist) [FILL]	9						
			10	R3	MACROCORE	29/48"		0.0	
			11					0.0	
			12					0.0	
			13					0.0	
			14	R4	MACROCORE	12/48"			Collect WC03_GRAB_LB09_13-14.5 for composite sample (11:30) Collect WC03_GRAB_LB09_14.5-16 for composite sample (11:30) Collect LB09_16-18 for VOCs/SVOCs (11:35)
		R4 - Loose, grey to brown, fine SAND, trace fine gravel, brick, concrete (moist) [FILL]	15					0.0	
			16					0.0	
		R5 - Loose, brown, medium SAND (moist)	17	R5	MACROCORE	20/24"		0.0	
			18					0.0	End of boring at 18 feet bgs. Borehole backfilled using clean soil cuttings to grade. Samples collected between 13-16 feet bgs analyzed for waste characterization parameters. Samples collected between 16-18 feet bgs analyzed for remedial design parameters.
			19					0.0	
			20						
			21						
			22						
			23						
			24						

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Log of Boring **LB10** Sheet 1 of 1

Project: 300 West 122nd Street	Project No.: 170500202
Location: New York, New York	Elevation and Datum: NA
Drilling Company: AARCO Environmental Services	Date Started: 3/8/18 — Date Finished: 3/8/18
Drilling Equipment: Geoprobe 7822 DT Drill Rig	Completion Depth: 18 ft — Rock Depth: NA
Size and Type of Bit: 2-inch Diameter Steel Macrocore Cutting Shoe	Number of Samples: Disturbed 6 — Undisturbed NA — Core NA
Casing Diameter (in): NA — Casing Depth (ft): NA	Water Level (ft.): First NA — Completion NA — 24 HR. NA
Casing Hammer: NA — Weight (lbs): NA — Drop (in): NA	Drilling Foreman: Daybi Pacheco
Sampler: 2-inch Diameter 4-foot Long Steel Macrocore	Field Engineer: Luke McCartney
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 - Loose to medium-dense, brown to grey, fine SAND, trace medium sand, trace fine gravel, coal ash (moist) [FILL]	0	R1	MACROCORE	26/48"		0.0	Collect WC01_GRAB_LB10_0-2 for composite sample (11:40)
			1						
			2					0.1	Collect WC01_GRAB_LB10_1-3 for composite sample (11:42)
			3					0.0	
			4	R2	MACROCORE	20/48"		0.0	
			5						
		R2 - Loose, brown, fine SAND, trace fine gravel, brick (moist) [FILL]	6					0.0	
			7					0.0	Collect WC01_GRAB_LB10_6-8 for VOCs/EPH and composite sample (11:45)
		R3 - Red Brick (moist) [FILL]	8	R3	MACROCORE	24/24"		0.0	
								0.0	
			9					0.0	
								0.0	
			10	R4	MACROCORE	28/48"		0.0	
		R4 - Loose to medium dense, brown, medium SAND, some fine gravel (moist)	11					0.0	Collect WC01_GRAB_LB10_11-13 for composite sample (11:50)
			12						
			13					0.0	
			14	R5	MACROCORE	24"48"		0.0	Collect WC01_GRAB_LB10_13-15 for composite sample (11:52)
			15						
		R5 - Loose, brown, medium SAND, trace fine gravel (moist)	16					0.0	
			17					0.0	Collect LB10_16-18 for VOCs/SVOCs (12:00)
			18					0.0	End of boring at 18 feet bgs. Borehole backfilled using clean soil cuttings to grade. Samples collected between 13-16 feet bgs analyzed for waste characterization parameters. Samples collected between 16-18 feet bgs analyzed for remedial design parameters.
			19						
			20						
			21						
			22						
			23						
			24						

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Log of Boring **LB11** Sheet 1 of 1

Project: 300 West 122nd Street	Project No.: 170500202
Location: New York, New York	Elevation and Datum: NA
Drilling Company: AARCO Environmental Services	Date Started: 3/12/18 — Date Finished: 3/12/18
Drilling Equipment: Geoprobe 7730 DT Drill Rig	Completion Depth: 18 ft — Rock Depth: NA
Size and Type of Bit: 2-inch Diameter Steel Macrocore Cutting Shoe	Number of Samples: Disturbed 3 — Undisturbed NA — Core NA
Casing Diameter (in): NA — Casing Depth (ft): NA	Water Level (ft.): First NA — Completion NA — 24 HR. NA
Casing Hammer: NA — Weight (lbs): NA — Drop (in): NA	Drilling Foreman: Daybi Pacheco
Sampler: 2-inch Diameter 4-foot Long Steel Macrocore	Field Engineer: Luke McCartney
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 - Loose, grey, fine SAND, some medium sand, trace fine gravel, brick, concrete (moist) [FILL]	0					0.0	
			1					0.1	
			2	R1	MACROCORE	22/48"		0.0	
			3						
			4						
			5						
		R2 - Loose, tan to grey, fine SAND, trace fine gravel, brick, concrete (moist) [FILL]	6	R2	MACROCORE	22/48"			
			7					0.0	
			8					0.0	
			9					0.0	
		R3 - Loose, grey, fine SAND, trace fine gravel, brick, concrete (moist) [FILL]	10	R3	MACROCORE	26/48"			
			11					0.1	
			12					0.0	
			13					0.0	
			14	R4	MACROCORE	24/48"		0.0	Collect WC04_GRAB_LB11_13-14.5 for composite sample (9:05)
		R4a (0-14") - Loose, grey, fine SAND, trace medium sand, trace fine gravel, brick (moist) [FILL]	15					0.0	
		R4b (14-24") - Loose, brown, medium SAND, trace coarse sand (moist)	16					0.0	Collect WC04_GRAB_LB11_14.5-16 for composite sample (9:10)
			17	R5	MACROCORE	10/24"			Collect LB11_16-18 for VOCs/SVOCs (9:15)
		R5 - Loose, brown, medium SAND, trace fine gravel (moist)	18					0.0	
			19					0.0	End of boring at 18 feet bgs. Borehole backfilled using clean soil cuttings to grade. Samples collected between 13-16 feet bgs analyzed for waste characterization parameters. Samples collected between 16-18 feet bgs analyzed for remedial design parameters.
			20						
			21						
			22						
			23						
			24						

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Log of Boring **LB12** Sheet 1 of 1

Project: 300 West 122nd Street	Project No.: 170500202
Location: New York, New York	Elevation and Datum: NA
Drilling Company: AARCO Environmental Services	Date Started: 3/12/18 — Date Finished: 3/12/18
Drilling Equipment: Geoprobe 7730 DT Drill Rig	Completion Depth: 18 ft — Rock Depth: NA
Size and Type of Bit: 2-inch Diameter Steel Macrocore Cutting Shoe	Number of Samples: Disturbed 3 — Undisturbed NA — Core NA
Casing Diameter (in): NA — Casing Depth (ft): NA	Water Level (ft.): First NA — Completion NA — 24 HR. NA
Casing Hammer: NA — Weight (lbs): NA — Drop (in): NA	Drilling Foreman: Daybi Pacheco
Sampler: 2-inch Diameter 4-foot Long Steel Macrocore	Field Engineer: Luke McCartney
Sampler Hammer: NA — Weight (lbs): NA — Drop (in): NA	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1 - Loose, grey, fine SAND, some fine gravel (moist) [FILL]	0					0.0	
			1	R1	MACROCORE	18/48"		0.0	
			2					0.1	
			3						
			4						
		R2 - Loose, grey. fine SAND, some fine gravel, brick, concrete (moist) [FILL]	5	R2	MACROCORE	20/48"			
			6					0.0	
			7					0.0	
			8					0.0	
		R3 - Loose, grey, fine SAND, trace fine gravel, brick, concrete, slag (moist) [FILL]	9	R3	MACROCORE	19/48"			
			10					0.0	
			11					0.0	
			12					0.0	
		R4 - Loose, grey, fine SAND, trace fine gravel, brick, concrete (moist) [FILL]	13	R4	MACROCORE	19/48"			Collect WC03_GRAB_13-15 for VOCs/EPH, and composite sample (11:05) and WC_GRAB_DUP01 for VOCs/EPH
			14					0.0	
			15					0.0	
			16					0.0	
		R5 - Loose, brown, medium SAND (moist)	17	R5	MACROCORE	12/24"		0.0	Collect LB12_16-18 for VOCs/SVOCs (11:10)
			18					0.0	End of boring at 18 feet bgs. Borehole backfilled using clean soil cuttings to grade. Samples collected between 13-16 feet bgs analyzed for waste characterization parameters. Samples collected between 16-18 feet bgs analyzed for remedial design parameters.
			19						
			20						
			21						
			22						
			23						
			24						

ATTACHMENT 2

MONITORING WELL CONSTRUCTION LOG AND SAMPLING LOG

LANGAN

WELL CONSTRUCTION SUMMARY

300 West 122nd Street (BCP Site C231067)

LMW16

PROJECT 300 West 122nd Street	**PROJECT NO.** 170500202
LOCATION New York, New York	**ELEVATION AND DATUM** N/A
DRILLING AGENCY AARCO Environmental Services, Inc.	**DATE STARTED** 3/12/2018 **DATE FINISHED** 3/12/2018
DRILLING EQUIPMENT Geoprobe 7822DT	**DRILLER** Daybi Pacheco
SIZE AND TYPE OF BIT 3-inch steel macro-core cutting shoe with steel point	**INSPECTORS** Luke McCartney

METHOD OF INSTALLATION

AARCO advanced 3-inch diameter steel macro-core tubes (casing) fitted with an expendable steel point to a completion depth of about 40 feet below grade surface (ft bgs) with a Geoprobe® 7822DT drill rig. During extraction of the casing AARCO installed a 2-inch PVC monitoring well at about 40 ft bgs, constructed of 20-slot PVC well screen from 15-40 ft bgs and solid PVC riser to the surface. The annulus of the borehole was backfilled to about 13 ft bgs with #2 sand, a hydrated bentonite seal from about 11-13 ft bgs, and clean drill cuttings to grade. The wellhead was completed with about a 0.5-foot stickup above grade.

METHOD OF WELL DEVELOPMENT

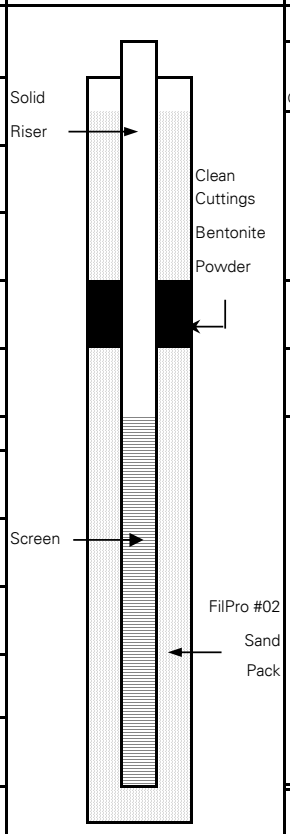
AARCO used a submersible whale pump fitted with tubing to surge and purge groundwater and sediment from the well. The well was developed until evacuated water was clear. Purge water was placed in a 55-gallon drum for disposal. About 30 gallons of development water were containerized in the drum for off-site disposal.

TYPE OF CASING Sch 40 PVC **DIAMETER** 2-inch	**TYPE OF BACKFILL MATERIAL** Clean cuttings
TYPE OF SCREEN Sch 40 PVC **DIAMETER** 2-inch	**TYPE OF SEAL MATERIAL** Cetco Powdered Bentonite Grout
BOREHOLE DIAMETER 3-inch	**TYPE OF FILTER MATERIAL** FilPro #2 Sand

	ELEVATION (ft) [3]	DEPTH (ft)
TOP OF CASING	n/a	~0.5
TOP OF SEAL	n/a	11
TOP OF FILTER	n/a	13
TOP OF SCREEN	n/a	15
BOTTOM OF WELL	n/a	40
SCREEN LENGTH		LENGTH (ft) 25
SLOT SIZE	0.02-inch	

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft) [3]
	3/26/2018	22 (from grade)



SUMMARY SOIL CLASSIFICATION [1], NOTES	DEPTH (FT) [2]
	0.5
Ground Surface	0.0
	11.0
	13.0
	15.0
See LB16 Boring Log for Details	
	40.0
EOB	

LANGAN Engineering, Environmental, Surveying, and Landscape Architecture, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001

GROUNDWATER SAMPLING LOG

Site: 300 West 122nd Street	**Well#/Location:** LMW16	**Job No.** 170500202
Date: 3/20/18	**Weather:** Overcast - 30's F	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	LMW16_032018
Well Depth (ft)	41.75
Screened Interval (ft)	15-40
Casing Elevation (msl)	n/a
Casing Diameter (in)	2-inch
Depth to Water (ft)	n/a
Water Elevation (msl)	n/a
Casing Volume (gal)	n/a
PID Reading (ppm)	156.8

Purging Information

Purging Method	Low-flow
Purging Rate (l/m)	0.39
Start Purge Time	13:45
End Purge Time	14:45
Volume Purged (L)	23.5

Sampling Information

Sampling Method	Low-flow
Start Sampling Time	14:45
End Sampling Time	15:00
Depth Before Sampling (ft)	n/a
Number Bottles Collected	10

	Parameters							
Sample Time	**Temp (◦C)**	**pH**	**ORP (mV)**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Depth to Water (ft)**	**Purged Volume (liters)**
13:45	7.52	7.11	-224	2.85	867	17.8	n/a	0
13:50	10.28	7.14	-242	2.61	571	7.56	n/a	2
13:55	11.37	7.11	-260	2.68	532	4.76	n/a	4
14:00	11.91	7.10	-272	2.59	575	4.12	n/a	6
14:05	12.06	7.09	-280	2.48	626	3.45	n/a	8
14:10	12.22	7.05	-287	2.38	393	2.66	n/a	10
14:15	11.83	7.03	-290	2.23	265	2.03	n/a	12
14:20	11.73	6.99	-292	2.23	171	1.41	n/a	15
14:25	12.03	6.97	-294	2.23	129	1.06	n/a	15.5
14:30	12.19	6.97	-297	2.24	101	0.62	n/a	17.5
14:35	11.91	7	-301	2.24	74.6	0.49	n/a	19.5
14:40	12.45	6.96	-303	2.21	44.7	0.00	n/a	21.5
14:45	12.4	6.98	-306	2.18	34.4	0.00	n/a	23.5

Notes/Remarks

Stablility	QED bladder pump used for low-flow sampling
PH - ± 0.1 unit	Pump intake set at ~28 feet below grade surface
Specific Conductance - ± 3%	Collect PFAS samples before remedial design and NYC DEP parameters
Temperature - ± 3%	Did not gauge depth to water due to collection of PFAS samples
Dissolved Oxygen - ± 10% above 0.5 mg/L	Petroleum-like sheen observed on purged water
Turbidity - ± 10% above 5 NTU	
ORP/Eh - ± 10 millivolts	
Maximum flow rate - < 0.5 L/m or 0.13 gpm	
Maximum drawdown - < 0.33 feet	

Remember: Battery Connections - **RED** is **POSITIVE** and **BLACK** is **NEGATIVE**

ATTACHMENT 3

LABORATORY ANALYTICAL DATA REPORTS

ANALYTICAL REPORT

Lab Number:	L1808297
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	300 WEST 122ND ST.
Project Number:	170500202
Report Date:	03/21/18

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), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1808297-01	WC01_GRAB_LB05_1-3	SOIL	NEW YORK, NY	03/08/18 11:10	03/09/18
L1808297-02	WC01_GRAB_LB10_6-8	SOIL	NEW YORK, NY	03/08/18 11:45	03/09/18
L1808297-03	WC01_GRAB_LB03_10-12	SOIL	NEW YORK, NY	03/08/18 13:00	03/09/18
L1808297-04	WC02_GRAB_LB04_0-2	SOIL	NEW YORK, NY	03/08/18 09:20	03/09/18
L1808297-05	WC02_GRAB_LB07_8-10	SOIL	NEW YORK, NY	03/08/18 10:42	03/09/18
L1808297-06	WC02_GRAB_LB02_13-15	SOIL	NEW YORK, NY	03/08/18 10:15	03/09/18
L1808297-07	WC01_COMP_0-5	SOIL	NEW YORK, NY	03/08/18 16:50	03/09/18
L1808297-08	WC01_COMP_5-10	SOIL	NEW YORK, NY	03/08/18 17:00	03/09/18
L1808297-09	WC01_COMP_10-16	SOIL	NEW YORK, NY	03/08/18 17:15	03/09/18
L1808297-10	WC02_COMP_0-5	SOIL	NEW YORK, NY	03/08/18 11:10	03/09/18
L1808297-11	WC02_COMP_5-10	SOIL	NEW YORK, NY	03/08/18 11:15	03/09/18
L1808297-12	WC02_COMP_10-16	SOIL	NEW YORK, NY	03/08/18 11:20	03/09/18
L1808297-13	SO_TB01_030818	WATER	NEW YORK, NY	03/09/18 00:00	03/09/18

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1808297
Project Number:	170500202	**Report Date:**	03/21/18

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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: 300 WEST 122ND ST. **Lab Number:** L1808297
Project Number: 170500202 **Report Date:** 03/21/18

Case Narrative (continued)

Report Revision
March 21, 2018: The Client IDs were changed on L1808297-01 through -06, and an updated Chain of Custody is included as an addendum.

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

Sample Receipt
L1808297-02: The collection date and time on the chain of custody was 08-MAR-18 11:15; however, the collection date/time on the container label was 08-MAR-18 11:45. At the client's request, the collection date/time is reported as 08-MAR-18 11:45.

Semivolatile Organics
L1808297-10: The sample has elevated detection limits due to the dilution required by the sample matrix.
L1808297-10: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (20%) and 2,4,6-tribromophenol (7%); however, re-extraction achieved similar results: 2-fluorophenol (14%) and 2,4,6-tribromophenol (5%). The results of both extractions are reported.
L1808297-11: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (13%) and 2,4,6-tribromophenol (5%); however, re-extraction achieved similar results: 2-fluorophenol (10%) and 2,4,6-tribromophenol (5%). The results of both extractions are reported.

TCLP Semivolatiles
WG1097307-2/-3: One or more compounds failed to meet the recovery and/or RPD limits. Difficult analytes may recover at less than 10% recovery, where applicable. Please refer to the QC section of the report for specific details.

NJ EPH (Total)
WG1096336-2/-3: One or more compounds failed to meet the recovery and/or RPD limits. Please refer to

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297
Project Number: 170500202 **Report Date:** 03/21/18

Case Narrative (continued)

the QC section of the report for specific details.

TCLP Pesticides

WG1097408-2: One or more surrogates failed to meet the recovery limits. Please refer to the sample results and/or QC section of the report for specific details.

Total Metals

L1808297-07 through -12: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Cyanide, Total

The WG1096999-2/-3 LCS/LCSD recoveries (62%/70%), associated with L1808297-07 through -12, are outside 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: Amita Naik

Title: Technical Director/Representative Date: 03/21/18

ORGANICS

VOLATILES

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-01
Client ID: WC01_GRAB_LB05_1-3
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/15/18 09:24
Analyst: MM
Percent Solids: 89%
TCLP/SPLP Ext. Date: 03/14/18 03:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	108		70-130
dibromofluoromethane	99		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-01
Client ID: WC01_GRAB_LB05_1-3
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/15/18 11:59
Analyst: NLK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.30	1
Chloroform	ND		ug/kg	1.6	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.38	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.34	1
Tetrachloroethene	0.95	J	ug/kg	1.1	0.33	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.38	1
Bromodichloromethane	ND		ug/kg	1.1	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.25	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.23	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.36	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.33	1
Benzene	ND		ug/kg	1.1	0.21	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.19	1
Chloromethane	ND		ug/kg	5.5	0.48	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.35	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.41	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.26	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-01 Date Collected: 03/08/18 11:10

Client ID: WC01_GRAB_LB05_1-3 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.1	0.33	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.17	1
p/m-Xylene	ND		ug/kg	2.2	0.38	1
o-Xylene	ND		ug/kg	2.2	0.37	1
Xylenes, Total	ND		ug/kg	2.2	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.38	1
Dibromomethane	ND		ug/kg	11	0.26	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.55	1
Acetone	8.0	J	ug/kg	11	2.5	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.76	1
Vinyl acetate	ND		ug/kg	11	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.19	1
2-Hexanone	ND		ug/kg	11	0.73	1
Bromochloromethane	ND		ug/kg	5.5	0.39	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.49	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.22	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.25	1
sec-Butylbenzene	ND		ug/kg	1.1	0.24	1
tert-Butylbenzene	ND		ug/kg	5.5	0.27	1
o-Chlorotoluene	ND		ug/kg	5.5	0.24	1
p-Chlorotoluene	ND		ug/kg	5.5	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.38	1
Isopropylbenzene	ND		ug/kg	1.1	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.22	1
Naphthalene	ND		ug/kg	5.5	0.15	1
Acrylonitrile	ND		ug/kg	11	0.56	1
Tert-Butyl Alcohol	ND		ug/kg	66	3.2	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-01 Date Collected: 03/08/18 11:10

Client ID: WC01_GRAB_LB05_1-3 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.20	1
Methyl Acetate	ND		ug/kg	22	0.51	1
Acrolein	ND		ug/kg	27	8.8	1
Cyclohexane	ND		ug/kg	22	0.48	1
1,4-Dioxane	ND		ug/kg	44	16.	1
Freon-113	ND		ug/kg	22	0.56	1
p-Diethylbenzene	ND		ug/kg	4.4	4.4	1
p-Ethyltoluene	ND		ug/kg	4.4	0.26	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.17	1
Ethyl ether	ND		ug/kg	5.5	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.43	1
Methyl cyclohexane	ND		ug/kg	4.4	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	106		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-02
Client ID: WC01_GRAB_LB10_6-8
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:45
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/15/18 09:50
Analyst: MM
Percent Solids: 86%
TCLP/SPLP Ext. Date: 03/14/18 03:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
dibromofluoromethane	101		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-02
Client ID: WC01_GRAB_LB10_6-8
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:45
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/15/18 12:24
Analyst: AD
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.4	1.6	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.25	1
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.94	0.32	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.21	1
Dibromochloromethane	ND		ug/kg	0.94	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.94	0.28	1
Chlorobenzene	ND		ug/kg	0.94	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.39	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.94	0.33	1
Bromodichloromethane	ND		ug/kg	0.94	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	0.94	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.94	0.20	1
1,1-Dichloropropene	ND		ug/kg	4.7	0.31	1
Bromoform	ND		ug/kg	3.8	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.94	0.28	1
Benzene	ND		ug/kg	0.94	0.18	1
Toluene	ND		ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.94	0.16	1
Chloromethane	ND		ug/kg	4.7	0.41	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.30	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.23	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-02 Date Collected: 03/08/18 11:45

Client ID: WC01_GRAB_LB10_6-8 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.94	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.14	1
p/m-Xylene	ND		ug/kg	1.9	0.33	1
o-Xylene	ND		ug/kg	1.9	0.32	1
Xylenes, Total	ND		ug/kg	1.9	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.32	1
Dibromomethane	ND		ug/kg	9.4	0.22	1
Styrene	ND		ug/kg	1.9	0.38	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.47	1
Acetone	84		ug/kg	9.4	2.2	1
Carbon disulfide	ND		ug/kg	9.4	1.0	1
2-Butanone	ND		ug/kg	9.4	0.65	1
Vinyl acetate	ND		ug/kg	9.4	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.4	0.17	1
2-Hexanone	ND		ug/kg	9.4	0.63	1
Bromochloromethane	ND		ug/kg	4.7	0.34	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.42	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.19	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.94	0.30	1
Bromobenzene	ND		ug/kg	4.7	0.21	1
n-Butylbenzene	ND		ug/kg	0.94	0.21	1
sec-Butylbenzene	ND		ug/kg	0.94	0.20	1
tert-Butylbenzene	ND		ug/kg	4.7	0.23	1
o-Chlorotoluene	ND		ug/kg	4.7	0.21	1
p-Chlorotoluene	ND		ug/kg	4.7	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	0.37	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.33	1
Isopropylbenzene	ND		ug/kg	0.94	0.18	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.19	1
Naphthalene	ND		ug/kg	4.7	0.13	1
Acrylonitrile	ND		ug/kg	9.4	0.48	1
Tert-Butyl Alcohol	18	J	ug/kg	56	2.8	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-02 Date Collected: 03/08/18 11:45

Client ID: WC01_GRAB_LB10_6-8 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.18	1
Methyl Acetate	ND		ug/kg	19	0.44	1
Acrolein	ND		ug/kg	24	7.6	1
Cyclohexane	ND		ug/kg	19	0.41	1
1,4-Dioxane	ND		ug/kg	38	14.	1
Freon-113	ND		ug/kg	19	0.48	1
p-Diethylbenzene	ND		ug/kg	3.8	3.8	1
p-Ethyltoluene	ND		ug/kg	3.8	0.22	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.15	1
Ethyl ether	ND		ug/kg	4.7	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	0.37	1
Methyl cyclohexane	ND		ug/kg	3.8	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	107		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-03 Date Collected: 03/08/18 13:00
Client ID: WC01_GRAB_LB03_10-12 Date Received: 03/09/18
Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/15/18 10:15
Analyst: MM
Percent Solids: 92%
TCLP/SPLP Ext. Date: 03/14/18 03:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
dibromofluoromethane	99		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-03 Date Collected: 03/08/18 13:00

Client ID: WC01_GRAB_LB03_10-12 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 03/15/18 12:50

Analyst: AD

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.7	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.21	1
Chloroform	ND		ug/kg	1.2	0.29	1
Carbon tetrachloride	ND		ug/kg	0.77	0.27	1
1,2-Dichloropropane	ND		ug/kg	2.7	0.18	1
Dibromochloromethane	ND		ug/kg	0.77	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.24	1
Tetrachloroethene	0.74	J	ug/kg	0.77	0.23	1
Chlorobenzene	ND		ug/kg	0.77	0.27	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.32	1
1,2-Dichloroethane	ND		ug/kg	0.77	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	0.77	0.27	1
Bromodichloromethane	ND		ug/kg	0.77	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	0.77	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	0.77	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.77	0.16	1
1,1-Dichloropropene	ND		ug/kg	3.9	0.25	1
Bromoform	ND		ug/kg	3.1	0.18	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.77	0.23	1
Benzene	1.2		ug/kg	0.77	0.15	1
Toluene	0.49	J	ug/kg	1.2	0.15	1
Ethylbenzene	ND		ug/kg	0.77	0.13	1
Chloromethane	ND		ug/kg	3.9	0.34	1
Bromomethane	ND		ug/kg	1.5	0.26	1
Vinyl chloride	ND		ug/kg	1.5	0.24	1
Chloroethane	ND		ug/kg	1.5	0.24	1
1,1-Dichloroethene	ND		ug/kg	0.77	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.19	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-03 Date Collected: 03/08/18 13:00

Client ID: WC01_GRAB_LB03_10-12 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.77	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	3.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	3.9	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	3.9	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.5	0.12	1
p/m-Xylene	ND		ug/kg	1.5	0.27	1
o-Xylene	ND		ug/kg	1.5	0.26	1
Xylenes, Total	ND		ug/kg	1.5	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.77	0.26	1
Dibromomethane	ND		ug/kg	7.7	0.18	1
Styrene	ND		ug/kg	1.5	0.31	1
Dichlorodifluoromethane	ND		ug/kg	7.7	0.39	1
Acetone	15		ug/kg	7.7	1.8	1
Carbon disulfide	ND		ug/kg	7.7	0.85	1
2-Butanone	ND		ug/kg	7.7	0.53	1
Vinyl acetate	ND		ug/kg	7.7	0.12	1
4-Methyl-2-pentanone	ND		ug/kg	7.7	0.19	1
1,2,3-Trichloropropane	ND		ug/kg	7.7	0.14	1
2-Hexanone	ND		ug/kg	7.7	0.52	1
Bromochloromethane	ND		ug/kg	3.9	0.28	1
2,2-Dichloropropane	ND		ug/kg	3.9	0.35	1
1,2-Dibromoethane	ND		ug/kg	3.1	0.15	1
1,3-Dichloropropane	ND		ug/kg	3.9	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.77	0.25	1
Bromobenzene	ND		ug/kg	3.9	0.17	1
n-Butylbenzene	ND		ug/kg	0.77	0.18	1
sec-Butylbenzene	ND		ug/kg	0.77	0.17	1
tert-Butylbenzene	ND		ug/kg	3.9	0.19	1
o-Chlorotoluene	ND		ug/kg	3.9	0.17	1
p-Chlorotoluene	ND		ug/kg	3.9	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	0.31	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.27	1
Isopropylbenzene	ND		ug/kg	0.77	0.15	1
p-Isopropyltoluene	0.23	J	ug/kg	0.77	0.16	1
Naphthalene	ND		ug/kg	3.9	0.11	1
Acrylonitrile	ND		ug/kg	7.7	0.40	1
Tert-Butyl Alcohol	ND		ug/kg	46	2.3	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-03 Date Collected: 03/08/18 13:00

Client ID: WC01_GRAB_LB03_10-12 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.77	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.9	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.9	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.9	0.12	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.9	0.14	1
Methyl Acetate	ND		ug/kg	15	0.36	1
Acrolein	ND		ug/kg	19	6.2	1
Cyclohexane	0.38	J	ug/kg	15	0.34	1
1,4-Dioxane	ND		ug/kg	31	11.	1
Freon-113	ND		ug/kg	15	0.40	1
p-Diethylbenzene	ND		ug/kg	3.1	3.1	1
p-Ethyltoluene	ND		ug/kg	3.1	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.1	0.12	1
Ethyl ether	ND		ug/kg	3.9	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.9	0.30	1
Methyl cyclohexane	ND		ug/kg	3.1	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	107		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-04
Client ID: WC02_GRAB_LB04_0-2
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 09:20
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/15/18 10:40
Analyst: MM
Percent Solids: 90%
TCLP/SPLP Ext. Date: 03/14/18 03:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	106		70-130
dibromofluoromethane	99		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-04
Client ID: WC02_GRAB_LB04_0-2
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 09:20
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/15/18 13:17
Analyst: AD
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.33	1
Chloroform	ND		ug/kg	1.9	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.43	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.52	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.43	1
Bromodichloromethane	ND		ug/kg	1.2	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.29	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.26	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.41	1
Bromoform	ND		ug/kg	5.0	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Benzene	ND		ug/kg	1.2	0.24	1
Toluene	ND		ug/kg	1.9	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.21	1
Chloromethane	ND		ug/kg	6.2	0.54	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.39	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.46	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.30	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-04 Date Collected: 03/08/18 09:20

Client ID: WC02_GRAB_LB04_0-2 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.37	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.19	1
p/m-Xylene	ND		ug/kg	2.5	0.44	1
o-Xylene	ND		ug/kg	2.5	0.42	1
Xylenes, Total	ND		ug/kg	2.5	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.42	1
Dibromomethane	ND		ug/kg	12	0.30	1
Styrene	ND		ug/kg	2.5	0.50	1
Dichlorodifluoromethane	ND		ug/kg	12	0.62	1
Acetone	19		ug/kg	12	2.8	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	ND		ug/kg	12	0.86	1
Vinyl acetate	ND		ug/kg	12	0.19	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.22	1
2-Hexanone	ND		ug/kg	12	0.82	1
Bromochloromethane	ND		ug/kg	6.2	0.44	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.56	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.25	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.2	0.27	1
n-Butylbenzene	ND		ug/kg	1.2	0.28	1
sec-Butylbenzene	ND		ug/kg	1.2	0.27	1
tert-Butylbenzene	ND		ug/kg	6.2	0.31	1
o-Chlorotoluene	ND		ug/kg	6.2	0.27	1
p-Chlorotoluene	ND		ug/kg	6.2	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.49	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.43	1
Isopropylbenzene	ND		ug/kg	1.2	0.24	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.25	1
Naphthalene	ND		ug/kg	6.2	0.17	1
Acrylonitrile	ND		ug/kg	12	0.64	1
Tert-Butyl Alcohol	ND		ug/kg	74	3.6	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-04 Date Collected: 03/08/18 09:20

Client ID: WC02_GRAB_LB04_0-2 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.27	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.23	1
Methyl Acetate	ND		ug/kg	25	0.57	1
Acrolein	ND		ug/kg	31	10.	1
Cyclohexane	ND		ug/kg	25	0.54	1
1,4-Dioxane	ND		ug/kg	50	18.	1
Freon-113	ND		ug/kg	25	0.64	1
p-Diethylbenzene	ND		ug/kg	5.0	5.0	1
p-Ethyltoluene	ND		ug/kg	5.0	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.0	0.19	1
Ethyl ether	ND		ug/kg	6.2	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	0.49	1
Methyl cyclohexane	ND		ug/kg	5.0	0.30	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	109		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-05
Client ID: WC02_GRAB_LB07_8-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 10:42
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/15/18 11:30
Analyst: BD
Percent Solids: 86%
TCLP/SPLP Ext. Date: 03/14/18 14:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
dibromofluoromethane	99		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-05
Client ID: WC02_GRAB_LB07_8-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 10:42
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/15/18 13:42
Analyst: AD
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.31	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.40	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.35	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.49	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.41	1
Bromodichloromethane	ND		ug/kg	1.2	0.36	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.27	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.24	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.38	1
Bromoform	ND		ug/kg	4.7	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.35	1
Benzene	ND		ug/kg	1.2	0.22	1
Toluene	1.0	J	ug/kg	1.7	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.20	1
Chloromethane	ND		ug/kg	5.8	0.51	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.37	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.43	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.28	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-05 Date Collected: 03/08/18 10:42

Client ID: WC02_GRAB_LB07_8-10 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.35	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
Methyl tert butyl ether	1.4	J	ug/kg	2.3	0.18	1
p/m-Xylene	ND		ug/kg	2.3	0.41	1
o-Xylene	ND		ug/kg	2.3	0.39	1
Xylenes, Total	ND		ug/kg	2.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.40	1
Dibromomethane	ND		ug/kg	12	0.28	1
Styrene	ND		ug/kg	2.3	0.47	1
Dichlorodifluoromethane	ND		ug/kg	12	0.58	1
Acetone	16		ug/kg	12	2.7	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.80	1
Vinyl acetate	ND		ug/kg	12	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.21	1
2-Hexanone	ND		ug/kg	12	0.78	1
Bromochloromethane	ND		ug/kg	5.8	0.42	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.52	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.23	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.26	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	5.8	0.29	1
o-Chlorotoluene	ND		ug/kg	5.8	0.26	1
p-Chlorotoluene	ND		ug/kg	5.8	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.40	1
Isopropylbenzene	ND		ug/kg	1.2	0.23	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Naphthalene	ND		ug/kg	5.8	0.16	1
Acrylonitrile	ND		ug/kg	12	0.60	1
Tert-Butyl Alcohol	ND		ug/kg	70	3.4	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-05 Date Collected: 03/08/18 10:42

Client ID: WC02_GRAB_LB07_8-10 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.22	1
Methyl Acetate	ND		ug/kg	23	0.54	1
Acrolein	ND		ug/kg	29	9.4	1
Cyclohexane	ND		ug/kg	23	0.50	1
1,4-Dioxane	ND		ug/kg	47	17.	1
Freon-113	ND		ug/kg	23	0.60	1
p-Diethylbenzene	ND		ug/kg	4.7	4.7	1
p-Ethyltoluene	ND		ug/kg	4.7	0.27	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.18	1
Ethyl ether	ND		ug/kg	5.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.46	1
Methyl cyclohexane	ND		ug/kg	4.7	0.28	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-06
Client ID: WC02_GRAB_LB02_13-15
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 10:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/15/18 11:56
Analyst: BD
Percent Solids: 89%
TCLP/SPLP Ext. Date: 03/14/18 14:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	107		70-130
dibromofluoromethane	99		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-06
Client ID: WC02_GRAB_LB02_13-15
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 10:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/15/18 14:09
Analyst: AD
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.2	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.25	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.92	0.32	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.92	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.92	0.28	1
Chlorobenzene	ND		ug/kg	0.92	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.92	0.32	1
Bromodichloromethane	ND		ug/kg	0.92	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	0.92	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.92	0.19	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.30	1
Bromoform	ND		ug/kg	3.7	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.92	0.28	1
Benzene	ND		ug/kg	0.92	0.18	1
Toluene	0.24	J	ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.92	0.16	1
Chloromethane	ND		ug/kg	4.6	0.40	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.29	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-06 Date Collected: 03/08/18 10:15

Client ID: WC02_GRAB_LB02_13-15 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.92	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.14	1
p/m-Xylene	ND		ug/kg	1.8	0.32	1
o-Xylene	ND		ug/kg	1.8	0.31	1
Xylenes, Total	ND		ug/kg	1.8	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.32	1
Dibromomethane	ND		ug/kg	9.2	0.22	1
Styrene	ND		ug/kg	1.8	0.37	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.46	1
Acetone	23		ug/kg	9.2	2.1	1
Carbon disulfide	ND		ug/kg	9.2	1.0	1
2-Butanone	ND		ug/kg	9.2	0.64	1
Vinyl acetate	ND		ug/kg	9.2	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	9.2	0.16	1
2-Hexanone	ND		ug/kg	9.2	0.62	1
Bromochloromethane	ND		ug/kg	4.6	0.33	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.42	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.18	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.92	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.20	1
n-Butylbenzene	ND		ug/kg	0.92	0.21	1
sec-Butylbenzene	ND		ug/kg	0.92	0.20	1
tert-Butylbenzene	ND		ug/kg	4.6	0.23	1
o-Chlorotoluene	ND		ug/kg	4.6	0.20	1
p-Chlorotoluene	ND		ug/kg	4.6	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.36	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.32	1
Isopropylbenzene	ND		ug/kg	0.92	0.18	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.19	1
Naphthalene	ND		ug/kg	4.6	0.13	1
Acrylonitrile	ND		ug/kg	9.2	0.47	1
Tert-Butyl Alcohol	13	J	ug/kg	55	2.7	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-06 Date Collected: 03/08/18 10:15

Client ID: WC02_GRAB_LB02_13-15 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.92	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.17	1
Methyl Acetate	ND		ug/kg	18	0.43	1
Acrolein	ND		ug/kg	23	7.4	1
Cyclohexane	ND		ug/kg	18	0.40	1
1,4-Dioxane	ND		ug/kg	37	13.	1
Freon-113	ND		ug/kg	18	0.47	1
p-Diethylbenzene	ND		ug/kg	3.7	3.7	1
p-Ethyltoluene	ND		ug/kg	3.7	0.22	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.14	1
Ethyl ether	ND		ug/kg	4.6	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.36	1
Methyl cyclohexane	ND		ug/kg	3.7	0.22	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	96		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-13
Client ID: SO_TB01_030818
Sample Location: NEW YORK, NY

Date Collected: 03/09/18 00:00
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/14/18 11:26
Analyst: AD

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
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	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
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	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
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-13 Date Collected: 03/09/18 00:00

Client ID: SO_TB01_030818 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Tert-Butyl Alcohol	ND		ug/l	10	1.4	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	23		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Acrolein	ND		ug/l	5.0	0.44	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	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
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-13 Date Collected: 03/09/18 00:00

Client ID: SO_TB01_030818 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/14/18 07:16
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1096867-5					
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
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
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	0.17
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	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/14/18 07:16
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1096867-5					
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	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
Tert-Butyl Alcohol	ND		ug/l	10	1.4
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	0.44
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
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

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/14/18 07:16
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1096867-5					
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
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/14/18 07:16
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1096867-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/15/18 06:03
Analyst: MM
TCLP/SPLP Extraction Date: 03/14/18 03:00

Extraction Date: 03/14/18 03:00

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-04 Batch: WG1097242-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	108		70-130
dibromofluoromethane	96		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/15/18 08:06
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1097343-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	0.21	J	ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	0.62	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/15/18 08:06
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1097343-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22
p-Chlorotoluene	ND		ug/kg	5.0	0.18

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/15/18 08:06
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1097343-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
Methyl Acetate	ND		ug/kg	20	0.46
Acrolein	ND		ug/kg	25	8.0
Cyclohexane	ND		ug/kg	20	0.43
1,4-Dioxane	ND		ug/kg	40	14.
Freon-113	ND		ug/kg	20	0.51
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
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	0.24

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/15/18 08:06
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1097343-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	103		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/15/18 11:05
Analyst: BD
TCLP/SPLP Extraction Date: 03/14/18 14:14

Extraction Date: 03/14/18 14:14

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 05-06 Batch: WG1097435-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	104		70-130
dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1096867-3 WG1096867-4								
Methylene chloride	110		100		70-130	10		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	100		95		70-130	5		20
Carbon tetrachloride	94		88		63-132	7		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	93		92		63-130	1		20
1,1,2-Trichloroethane	98		99		70-130	1		20
Tetrachloroethene	96		88		70-130	9		20
Chlorobenzene	100		96		75-130	4		20
Trichlorofluoromethane	100		94		62-150	6		20
1,2-Dichloroethane	92		91		70-130	1		20
1,1,1-Trichloroethane	99		93		67-130	6		20
Bromodichloromethane	94		92		67-130	2		20
trans-1,3-Dichloropropene	97		94		70-130	3		20
cis-1,3-Dichloropropene	99		95		70-130	4		20
1,1-Dichloropropene	100		95		70-130	5		20
Bromoform	88		86		54-136	2		20
1,1,2,2-Tetrachloroethane	94		100		67-130	6		20
Benzene	99		94		70-130	5		20
Toluene	100		95		70-130	5		20
Ethylbenzene	100		93		70-130	7		20
Chloromethane	110		97		64-130	13		20
Bromomethane	**160**	Q	130		39-139	**21**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1096867-3 WG1096867-4								
Vinyl chloride	130		110		55-140	17		20
Chloroethane	**140**	Q	120		55-138	15		20
1,1-Dichloroethene	100		96		61-145	4		20
trans-1,2-Dichloroethene	110		99		70-130	11		20
Trichloroethene	96		90		70-130	6		20
1,2-Dichlorobenzene	98		95		70-130	3		20
1,3-Dichlorobenzene	99		94		70-130	5		20
1,4-Dichlorobenzene	99		94		70-130	5		20
Methyl tert butyl ether	96		95		63-130	1		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	100		96		70-130	4		20
Dibromomethane	93		91		70-130	2		20
1,2,3-Trichloropropane	94		96		64-130	2		20
Acrylonitrile	99		100		70-130	1		20
Tert-Butyl Alcohol	114		116		70-130	2		20
Styrene	120		110		70-130	9		20
Dichlorodifluoromethane	88		80		36-147	10		20
Acetone	82		82		58-148	0		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	88		93		63-138	6		20
Vinyl acetate	87		86		70-130	1		20
4-Methyl-2-pentanone	84		91		59-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1096867-3 WG1096867-4								
2-Hexanone	68		73		57-130	7		20
Acrolein	**230**	Q	**200**	Q	40-160	14		20
Bromochloromethane	100		95		70-130	5		20
2,2-Dichloropropane	110		99		63-133	11		20
1,2-Dibromoethane	89		92		70-130	3		20
1,3-Dichloropropane	96		96		70-130	0		20
1,1,1,2-Tetrachloroethane	96		93		64-130	3		20
Bromobenzene	97		92		70-130	5		20
n-Butylbenzene	100		96		53-136	4		20
sec-Butylbenzene	100		95		70-130	5		20
tert-Butylbenzene	100		94		70-130	6		20
o-Chlorotoluene	100		95		70-130	5		20
p-Chlorotoluene	100		95		70-130	5		20
1,2-Dibromo-3-chloropropane	76		86		41-144	12		20
Hexachlorobutadiene	84		74		63-130	13		20
Isopropylbenzene	100		95		70-130	5		20
p-Isopropyltoluene	100		95		70-130	5		20
Naphthalene	85		88		70-130	3		20
n-Propylbenzene	100		97		69-130	3		20
1,2,3-Trichlorobenzene	88		87		70-130	1		20
1,2,4-Trichlorobenzene	92		87		70-130	6		20
1,3,5-Trimethylbenzene	100		95		64-130	5		20
1,2,4-Trimethylbenzene	100		94		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1096867-3 WG1096867-4								
Methyl Acetate	110		100		70-130	10		20
Cyclohexane	100		96		70-130	4		20
1,4-Dioxane	**182**	Q	162		56-162	12		20
Freon-113	100		96		70-130	4		20
p-Diethylbenzene	100		94		70-130	6		20
p-Ethyltoluene	100		98		70-130	2		20
1,2,4,5-Tetramethylbenzene	97		90		70-130	7		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	88		94		70-130	7		20
Methyl cyclohexane	100		94		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		92		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-04 Batch: WG1097242-3 WG1097242-4								
Chloroform	95		90		70-130	5		20
Carbon tetrachloride	100		96		63-132	4		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		99		75-130	1		25
1,2-Dichloroethane	84		79		70-130	6		20
Benzene	94		89		70-130	5		25
Vinyl chloride	79		75		55-140	5		20
1,1-Dichloroethene	84		77		61-145	9		25
Trichloroethene	98		90		70-130	9		25
1,4-Dichlorobenzene	100		100		70-130	0		20
2-Butanone	110		110		63-138	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	108		109		70-130
4-Bromofluorobenzene	102		107		70-130
dibromofluoromethane	97		91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1097343-3 WG1097343-4								
Methylene chloride	109		103		70-130	6		30
1,1-Dichloroethane	108		104		70-130	4		30
Chloroform	114		107		70-130	6		30
Carbon tetrachloride	130		120		70-130	8		30
1,2-Dichloropropane	106		100		70-130	6		30
Dibromochloromethane	96		92		70-130	4		30
1,1,2-Trichloroethane	94		91		70-130	3		30
Tetrachloroethene	102		93		70-130	9		30
Chlorobenzene	96		90		70-130	6		30
Trichlorofluoromethane	128		116		70-139	10		30
1,2-Dichloroethane	112		109		70-130	3		30
1,1,1-Trichloroethane	121		111		70-130	9		30
Bromodichloromethane	111		106		70-130	5		30
trans-1,3-Dichloropropene	92		88		70-130	4		30
cis-1,3-Dichloropropene	105		102		70-130	3		30
1,1-Dichloropropene	113		105		70-130	7		30
Bromoform	89		88		70-130	1		30
1,1,2,2-Tetrachloroethane	88		88		70-130	0		30
Benzene	109		102		70-130	7		30
Toluene	88		82		70-130	7		30
Ethylbenzene	93		87		70-130	7		30
Chloromethane	92		84		52-130	9		30
Bromomethane	**166**	Q	**159**	Q	57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1097343-3 WG1097343-4								
Vinyl chloride	**142**	Q	128		67-130	10		30
Chloroethane	**172**	Q	**159**	Q	50-151	8		30
1,1-Dichloroethene	115		106		65-135	8		30
trans-1,2-Dichloroethene	115		105		70-130	9		30
Trichloroethene	115		107		70-130	7		30
1,2-Dichlorobenzene	91		89		70-130	2		30
1,3-Dichlorobenzene	93		88		70-130	6		30
1,4-Dichlorobenzene	92		88		70-130	4		30
Methyl tert butyl ether	103		102		66-130	1		30
p/m-Xylene	97		90		70-130	7		30
o-Xylene	95		90		70-130	5		30
cis-1,2-Dichloroethene	113		106		70-130	6		30
Dibromomethane	116		115		70-130	1		30
Styrene	92		87		70-130	6		30
Dichlorodifluoromethane	102		96		30-146	6		30
Acetone	102		103		54-140	1		30
Carbon disulfide	109		101		59-130	8		30
2-Butanone	100		97		70-130	3		30
Vinyl acetate	93		91		70-130	2		30
4-Methyl-2-pentanone	76		78		70-130	3		30
1,2,3-Trichloropropane	87		88		68-130	1		30
2-Hexanone	75		74		70-130	1		30
Bromochloromethane	120		114		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1097343-3 WG1097343-4								
2,2-Dichloropropane	116		108		70-130	7		30
1,2-Dibromoethane	100		96		70-130	4		30
1,3-Dichloropropane	92		89		69-130	3		30
1,1,1,2-Tetrachloroethane	98		93		70-130	5		30
Bromobenzene	91		87		70-130	4		30
n-Butylbenzene	95		89		70-130	7		30
sec-Butylbenzene	92		86		70-130	7		30
tert-Butylbenzene	89		85		70-130	5		30
o-Chlorotoluene	90		85		70-130	6		30
p-Chlorotoluene	89		84		70-130	6		30
1,2-Dibromo-3-chloropropane	78		78		68-130	0		30
Hexachlorobutadiene	88		85		67-130	3		30
Isopropylbenzene	88		83		70-130	6		30
p-Isopropyltoluene	90		85		70-130	6		30
Naphthalene	83		83		70-130	0		30
Acrylonitrile	96		96		70-130	0		30
Tert-Butyl Alcohol	93		95		70-130	2		30
n-Propylbenzene	90		84		70-130	7		30
1,2,3-Trichlorobenzene	91		89		70-130	2		30
1,2,4-Trichlorobenzene	90		87		70-130	3		30
1,3,5-Trimethylbenzene	89		85		70-130	5		30
1,2,4-Trimethylbenzene	89		84		70-130	6		30
Methyl Acetate	98		98		51-146	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1097343-3 WG1097343-4								
Acrolein	80		83		70-130	4		30
Cyclohexane	101		94		59-142	7		30
1,4-Dioxane	100		100		65-136	0		30
Freon-113	124		114		50-139	8		30
p-Diethylbenzene	89		83		70-130	7		30
p-Ethyltoluene	88		83		70-130	6		30
1,2,4,5-Tetramethylbenzene	87		82		70-130	6		30
Ethyl ether	106		102		67-130	4		30
trans-1,4-Dichloro-2-butene	88		85		70-130	3		30
Methyl cyclohexane	109		102		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		103		70-130
Toluene-d8	92		90		70-130
4-Bromofluorobenzene	90		92		70-130
Dibromofluoromethane	106		106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 05-06 Batch: WG1097435-3 WG1097435-4								
Chloroform	95		90		70-130	5		20
Carbon tetrachloride	100		96		63-132	4		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		99		75-130	1		25
1,2-Dichloroethane	84		79		70-130	6		20
Benzene	94		89		70-130	5		25
Vinyl chloride	79		75		55-140	5		20
1,1-Dichloroethene	84		77		61-145	9		25
Trichloroethene	98		90		70-130	9		25
1,4-Dichlorobenzene	100		100		70-130	0		20
2-Butanone	110		110		63-138	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	108		109		70-130
4-Bromofluorobenzene	102		107		70-130
dibromofluoromethane	97		91		70-130

SEMIVOLATILES

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-07
Client ID: WC01_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 16:50
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/16/18 11:30
Analyst: CB
Percent Solids: 85%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		21-120
Phenol-d6	72		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	100		33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-07 D
Client ID: WC01_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 16:50
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/15/18 15:09
Analyst: RC
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 14:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	470		ug/kg	310	40.	2
Benzidine	ND		ug/kg	1300	420	2
1,2,4-Trichlorobenzene	ND		ug/kg	390	44.	2
Hexachlorobenzene	ND		ug/kg	230	44.	2
Bis(2-chloroethyl)ether	ND		ug/kg	350	53.	2
2-Chloronaphthalene	ND		ug/kg	390	39.	2
1,2-Dichlorobenzene	ND		ug/kg	390	70.	2
1,3-Dichlorobenzene	ND		ug/kg	390	67.	2
1,4-Dichlorobenzene	ND		ug/kg	390	68.	2
3,3'-Dichlorobenzidine	ND		ug/kg	390	100	2
2,4-Dinitrotoluene	ND		ug/kg	390	78.	2
2,6-Dinitrotoluene	ND		ug/kg	390	67.	2
Azobenzene	ND		ug/kg	390	37.	2
Fluoranthene	12000		ug/kg	230	45.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	390	42.	2
4-Bromophenyl phenyl ether	ND		ug/kg	390	59.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	470	66.	2
Bis(2-chloroethoxy)methane	ND		ug/kg	420	39.	2
Hexachlorobutadiene	ND		ug/kg	390	57.	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	350	2
Hexachloroethane	ND		ug/kg	310	63.	2
Isophorone	ND		ug/kg	350	50.	2
Naphthalene	470		ug/kg	390	47.	2
Nitrobenzene	ND		ug/kg	350	58.	2
NDPA/DPA	ND		ug/kg	310	44.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	390	60.	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	390	130	2
Butyl benzyl phthalate	ND		ug/kg	390	98.	2

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-07 D
Client ID: WC01_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 16:50
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	390	74.	2
Di-n-octylphthalate	ND		ug/kg	390	130	2
Diethyl phthalate	ND		ug/kg	390	36.	2
Dimethyl phthalate	ND		ug/kg	390	82.	2
Benzo(a)anthracene	7100		ug/kg	230	44.	2
Benzo(a)pyrene	7300		ug/kg	310	95.	2
Benzo(b)fluoranthene	10000		ug/kg	230	66.	2
Benzo(k)fluoranthene	2700		ug/kg	230	62.	2
Chrysene	6500		ug/kg	230	40.	2
Acenaphthylene	2000		ug/kg	310	60.	2
Anthracene	2600		ug/kg	230	76.	2
Benzo(ghi)perylene	4200		ug/kg	310	46.	2
Fluorene	1400		ug/kg	390	38.	2
Phenanthrene	7900		ug/kg	230	47.	2
Dibenzo(a,h)anthracene	1200		ug/kg	230	45.	2
Indeno(1,2,3-cd)pyrene	4100		ug/kg	310	54.	2
Pyrene	10000		ug/kg	230	39.	2
Biphenyl	110	J	ug/kg	890	90.	2
4-Chloroaniline	ND		ug/kg	390	71.	2
2-Nitroaniline	ND		ug/kg	390	75.	2
3-Nitroaniline	ND		ug/kg	390	73.	2
4-Nitroaniline	ND		ug/kg	390	160	2
Dibenzofuran	700		ug/kg	390	37.	2
2-Methylnaphthalene	430	J	ug/kg	470	47.	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	390	41.	2
Acetophenone	ND		ug/kg	390	48.	2
n-Nitrosodimethylamine	ND		ug/kg	780	75.	2
2,4,6-Trichlorophenol	ND		ug/kg	230	74.	2
p-Chloro-m-cresol	ND		ug/kg	390	58.	2
2-Chlorophenol	ND		ug/kg	390	46.	2
2,4-Dichlorophenol	ND		ug/kg	350	63.	2
2,4-Dimethylphenol	ND		ug/kg	390	130	2
2-Nitrophenol	ND		ug/kg	840	150	2
4-Nitrophenol	ND		ug/kg	540	160	2
2,4-Dinitrophenol	ND		ug/kg	1900	180	2
4,6-Dinitro-o-cresol	ND		ug/kg	1000	190	2
Pentachlorophenol	ND		ug/kg	310	86.	2

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-07 D
Client ID: WC01_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 16:50
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	390	59.	2
2-Methylphenol	ND		ug/kg	390	60.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	560	61.	2
2,4,5-Trichlorophenol	ND		ug/kg	390	75.	2
Benzoic Acid	ND		ug/kg	1300	390	2
Benzyl Alcohol	ND		ug/kg	390	120	2
Carbazole	510		ug/kg	390	38.	2
Atrazine	ND		ug/kg	310	140	2
Benzaldehyde	ND		ug/kg	510	100	2
Caprolactam	ND		ug/kg	390	120	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	390	79.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	73		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-08
Client ID: WC01_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:00
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/16/18 11:54
Analyst: CB
Percent Solids: 85%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		21-120
Phenol-d6	77		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	100		33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-08
Client ID: WC01_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:00
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/15/18 03:50
Analyst: SZ
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 14:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	28	J	ug/kg	160	20.	1
Benzidine	ND		ug/kg	640	210	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	33.	1
Azobenzene	ND		ug/kg	200	19.	1
Fluoranthene	1000		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	67.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-08 Date Collected: 03/08/18 17:00

Client ID: WC01_COMP_5-10 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	66.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	620		ug/kg	120	22.	1
Benzo(a)pyrene	550		ug/kg	160	48.	1
Benzo(b)fluoranthene	780		ug/kg	120	33.	1
Benzo(k)fluoranthene	230		ug/kg	120	31.	1
Chrysene	580		ug/kg	120	20.	1
Acenaphthylene	240		ug/kg	160	30.	1
Anthracene	210		ug/kg	120	38.	1
Benzo(ghi)perylene	390		ug/kg	160	23.	1
Fluorene	50	J	ug/kg	200	19.	1
Phenanthrene	470		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	110	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	430		ug/kg	160	27.	1
Pyrene	880		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	18	J	ug/kg	200	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
n-Nitrosodimethylamine	ND		ug/kg	390	37.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	200	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-08 Date Collected: 03/08/18 17:00

Client ID: WC01_COMP_5-10 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	200	29.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	52	J	ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	68.	1
Benzaldehyde	ND		ug/kg	260	53.	1
Caprolactam	ND		ug/kg	200	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	70		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-09
Client ID: WC01_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/16/18 10:34
Analyst: RC
Percent Solids: 93%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		21-120
Phenol-d6	82		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	101		33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-09
Client ID: WC01_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/15/18 04:15
Analyst: SZ
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 14:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	590	190	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Azobenzene	ND		ug/kg	180	17.	1
Fluoranthene	100	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-09 Date Collected: 03/08/18 17:15

Client ID: WC01_COMP_10-16 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	66	J	ug/kg	110	20.	1
Benzo(a)pyrene	52	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	71	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	57	J	ug/kg	110	18.	1
Acenaphthylene	28	J	ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	38	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	52	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	40	J	ug/kg	140	25.	1
Pyrene	90	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
n-Nitrosodimethylamine	ND		ug/kg	360	34.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-09 Date Collected: 03/08/18 17:15

Client ID: WC01_COMP_10-16 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
Atrazine	ND		ug/kg	140	62.	1
Benzaldehyde	ND		ug/kg	240	48.	1
Caprolactam	ND		ug/kg	180	54.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	90		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10
Client ID: WC02_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/16/18 10:59
Analyst: RC
Percent Solids: 89%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		21-120
Phenol-d6	86		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	111		10-120
4-Terphenyl-d14	107		33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10 RE
Client ID: WC02_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/16/18 11:45
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/15/18 16:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	32	J	ug/kg	150	19.	1
Benzidine	ND		ug/kg	610	200	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	33.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	890		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	36	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	64.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10 RE
Client ID: WC02_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	93	J	ug/kg	190	39.	1
Benzo(a)anthracene	560		ug/kg	110	21.	1
Benzo(a)pyrene	560		ug/kg	150	45.	1
Benzo(b)fluoranthene	710		ug/kg	110	31.	1
Benzo(k)fluoranthene	250		ug/kg	110	30.	1
Chrysene	550		ug/kg	110	19.	1
Acenaphthylene	90	J	ug/kg	150	29.	1
Anthracene	130		ug/kg	110	36.	1
Benzo(ghi)perylene	340		ug/kg	150	22.	1
Fluorene	40	J	ug/kg	190	18.	1
Phenanthrene	420		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	94	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	370		ug/kg	150	26.	1
Pyrene	790		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	24	J	ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
n-Nitrosodimethylamine	ND		ug/kg	370	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10 RE
Client ID: WC02_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	46	J	ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	65.	1
Benzaldehyde	ND		ug/kg	240	50.	1
Caprolactam	ND		ug/kg	190	57.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**14**	Q	25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	**5**	Q	10-136
4-Terphenyl-d14	84		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10 D
Client ID: WC02_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/15/18 15:34
Analyst: RC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 14:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	300	38.	2
Benzidine	ND		ug/kg	1200	400	2
1,2,4-Trichlorobenzene	ND		ug/kg	370	42.	2
Hexachlorobenzene	ND		ug/kg	220	41.	2
Bis(2-chloroethyl)ether	ND		ug/kg	330	50.	2
2-Chloronaphthalene	ND		ug/kg	370	37.	2
1,2-Dichlorobenzene	ND		ug/kg	370	66.	2
1,3-Dichlorobenzene	ND		ug/kg	370	64.	2
1,4-Dichlorobenzene	ND		ug/kg	370	65.	2
3,3'-Dichlorobenzidine	ND		ug/kg	370	98.	2
2,4-Dinitrotoluene	ND		ug/kg	370	74.	2
2,6-Dinitrotoluene	ND		ug/kg	370	64.	2
Azobenzene	ND		ug/kg	370	36.	2
Fluoranthene	940		ug/kg	220	42.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	370	40.	2
4-Bromophenyl phenyl ether	ND		ug/kg	370	56.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	63.	2
Bis(2-chloroethoxy)methane	ND		ug/kg	400	37.	2
Hexachlorobutadiene	ND		ug/kg	370	54.	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	340	2
Hexachloroethane	ND		ug/kg	300	60.	2
Isophorone	ND		ug/kg	330	48.	2
Naphthalene	ND		ug/kg	370	45.	2
Nitrobenzene	ND		ug/kg	330	55.	2
NDPA/DPA	ND		ug/kg	300	42.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	370	57.	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	370	130	2
Butyl benzyl phthalate	ND		ug/kg	370	93.	2

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10 D
Client ID: WC02_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	370	70.	2
Di-n-octylphthalate	ND		ug/kg	370	120	2
Diethyl phthalate	ND		ug/kg	370	34.	2
Dimethyl phthalate	ND		ug/kg	370	78.	2
Benzo(a)anthracene	560		ug/kg	220	42.	2
Benzo(a)pyrene	650		ug/kg	300	90.	2
Benzo(b)fluoranthene	840		ug/kg	220	62.	2
Benzo(k)fluoranthene	300		ug/kg	220	59.	2
Chrysene	540		ug/kg	220	38.	2
Acenaphthylene	180	J	ug/kg	300	57.	2
Anthracene	150	J	ug/kg	220	72.	2
Benzo(ghi)perylene	470		ug/kg	300	44.	2
Fluorene	37	J	ug/kg	370	36.	2
Phenanthrene	420		ug/kg	220	45.	2
Dibenzo(a,h)anthracene	ND		ug/kg	220	43.	2
Indeno(1,2,3-cd)pyrene	520		ug/kg	300	52.	2
Pyrene	840		ug/kg	220	37.	2
Biphenyl	ND		ug/kg	840	86.	2
4-Chloroaniline	ND		ug/kg	370	67.	2
2-Nitroaniline	ND		ug/kg	370	71.	2
3-Nitroaniline	ND		ug/kg	370	70.	2
4-Nitroaniline	ND		ug/kg	370	150	2
Dibenzofuran	ND		ug/kg	370	35.	2
2-Methylnaphthalene	ND		ug/kg	440	45.	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	370	39.	2
Acetophenone	ND		ug/kg	370	46.	2
n-Nitrosodimethylamine	ND		ug/kg	740	71.	2
2,4,6-Trichlorophenol	ND		ug/kg	220	70.	2
p-Chloro-m-cresol	ND		ug/kg	370	55.	2
2-Chlorophenol	ND		ug/kg	370	44.	2
2,4-Dichlorophenol	ND		ug/kg	330	60.	2
2,4-Dimethylphenol	ND		ug/kg	370	120	2
2-Nitrophenol	ND		ug/kg	800	140	2
4-Nitrophenol	ND		ug/kg	520	150	2
2,4-Dinitrophenol	ND		ug/kg	1800	170	2
4,6-Dinitro-o-cresol	ND		ug/kg	960	180	2
Pentachlorophenol	ND		ug/kg	300	82.	2

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10 D
Client ID: WC02_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	370	56.	2
2-Methylphenol	ND		ug/kg	370	57.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	530	58.	2
2,4,5-Trichlorophenol	ND		ug/kg	370	71.	2
Benzoic Acid	ND		ug/kg	1200	370	2
Benzyl Alcohol	ND		ug/kg	370	110	2
Carbazole	68	J	ug/kg	370	36.	2
Atrazine	ND		ug/kg	300	130	2
Benzaldehyde	ND		ug/kg	490	100	2
Caprolactam	ND		ug/kg	370	110	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	370	75.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**20**	Q	25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	**7**	Q	10-136
4-Terphenyl-d14	72		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11
Client ID: WC02_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/16/18 11:25
Analyst: RC
Percent Solids: 87%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		21-120
Phenol-d6	79		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	109		10-120
4-Terphenyl-d14	107		33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11
Client ID: WC02_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/15/18 05:06
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 14:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	140	J	ug/kg	150	20.	1
Benzidine	ND		ug/kg	620	200	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	3300		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	130	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11 Date Collected: 03/08/18 11:15

Client ID: WC02_COMP_5-10 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	2000		ug/kg	110	21.	1
Benzo(a)pyrene	1600		ug/kg	150	46.	1
Benzo(b)fluoranthene	2200		ug/kg	110	32.	1
Benzo(k)fluoranthene	700		ug/kg	110	30.	1
Chrysene	1900		ug/kg	110	20.	1
Acenaphthylene	420		ug/kg	150	29.	1
Anthracene	680		ug/kg	110	37.	1
Benzo(ghi)perylene	1200		ug/kg	150	22.	1
Fluorene	170	J	ug/kg	190	18.	1
Phenanthrene	1900		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	310		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	150	26.	1
Pyrene	2900		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	92	J	ug/kg	190	18.	1
2-Methylnaphthalene	66	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
n-Nitrosodimethylamine	ND		ug/kg	380	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11 Date Collected: 03/08/18 11:15

Client ID: WC02_COMP_5-10 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	210		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	51.	1
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**13**	Q	25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	**5**	Q	10-136
4-Terphenyl-d14	72		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11 RE
Client ID: WC02_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/16/18 12:10
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/15/18 16:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	26	J	ug/kg	150	19.	1
Benzidine	ND		ug/kg	620	200	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	33.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	1200		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	73	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	64.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11 RE
Client ID: WC02_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	720		ug/kg	110	21.	1
Benzo(a)pyrene	780		ug/kg	150	45.	1
Benzo(b)fluoranthene	970		ug/kg	110	31.	1
Benzo(k)fluoranthene	350		ug/kg	110	30.	1
Chrysene	720		ug/kg	110	19.	1
Acenaphthylene	150		ug/kg	150	29.	1
Anthracene	150		ug/kg	110	36.	1
Benzo(ghi)perylene	570		ug/kg	150	22.	1
Fluorene	42	J	ug/kg	190	18.	1
Phenanthrene	540		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	140		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	540		ug/kg	150	26.	1
Pyrene	1200		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	25	J	ug/kg	190	18.	1
2-Methylnaphthalene	39	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
n-Nitrosodimethylamine	ND		ug/kg	370	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11 RE
Client ID: WC02_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	51	J	ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	65.	1
Benzaldehyde	ND		ug/kg	250	50.	1
Caprolactam	ND		ug/kg	190	57.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**10**	Q	25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	**5**	Q	10-136
4-Terphenyl-d14	86		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-12
Client ID: WC02_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:20
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/16/18 11:50
Analyst: RC
Percent Solids: 92%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	65		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	85		33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-12
Client ID: WC02_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:20
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/15/18 04:41
Analyst: SZ
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 14:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	580	190	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Azobenzene	ND		ug/kg	180	17.	1
Fluoranthene	29	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-12 Date Collected: 03/08/18 11:20

Client ID: WC02_COMP_10-16 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	34.	1
Benzo(ghi)perylene	29	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	22	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	28	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
n-Nitrosodimethylamine	ND		ug/kg	350	34.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-12 Date Collected: 03/08/18 11:20

Client ID: WC02_COMP_10-16 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
Atrazine	ND		ug/kg	140	62.	1
Benzaldehyde	ND		ug/kg	230	48.	1
Caprolactam	ND		ug/kg	180	54.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	67		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/14/18 13:53
Analyst: TT

Extraction Method: EPA 3546
Extraction Date: 03/12/18 14:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-12 Batch: WG1096564-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	540	180
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Azobenzene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/14/18 13:53
Analyst: TT

Extraction Method: EPA 3546
Extraction Date: 03/12/18 14:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-12 Batch: WG1096564-1					
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
n-Nitrosodimethylamine	ND		ug/kg	320	31.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/14/18 13:53
Analyst: TT

Extraction Method: EPA 3546
Extraction Date: 03/12/18 14:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-12 Batch: WG1096564-1					
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	210	44.
Caprolactam	ND		ug/kg	160	49.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/14/18 13:53
Analyst: TT

Extraction Method: EPA 3546
Extraction Date: 03/12/18 14:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-12 Batch: WG1096564-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	100		18-120

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/16/18 07:55
Analyst: CB
TCLP/SPLP Extraction Date: 03/12/18 07:41

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 09:37

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 07-12 Batch: WG1097307-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		21-120
Phenol-d6	74		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	92		33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/16/18 10:56
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 03/15/18 12:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG1097396-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	550	180
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	100	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Azobenzene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/16/18 10:56
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 03/15/18 12:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG1097396-1					
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	69.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
n-Nitrosodimethylamine	ND		ug/kg	330	32.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/16/18 10:56
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 03/15/18 12:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG1097396-1					
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/16/18 10:56
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 03/15/18 12:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG1097396-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	86		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-12 Batch: WG1096564-2 WG1096564-3								
Acenaphthene	80		77		31-137	4		50
Benzidine	36		35		10-66	3		50
1,2,4-Trichlorobenzene	78		76		38-107	3		50
Hexachlorobenzene	84		79		40-140	6		50
Bis(2-chloroethyl)ether	74		73		40-140	1		50
2-Chloronaphthalene	86		83		40-140	4		50
1,2-Dichlorobenzene	74		73		40-140	1		50
1,3-Dichlorobenzene	74		71		40-140	4		50
1,4-Dichlorobenzene	73		72		28-104	1		50
3,3'-Dichlorobenzidine	50		47		40-140	6		50
2,4-Dinitrotoluene	89		84		40-132	6		50
2,6-Dinitrotoluene	89		85		40-140	5		50
Azobenzene	84		81		40-140	4		50
Fluoranthene	88		85		40-140	3		50
4-Chlorophenyl phenyl ether	84		80		40-140	5		50
4-Bromophenyl phenyl ether	85		80		40-140	6		50
Bis(2-chloroisopropyl)ether	75		71		40-140	5		50
Bis(2-chloroethoxy)methane	80		77		40-117	4		50
Hexachlorobutadiene	82		76		40-140	8		50
Hexachlorocyclopentadiene	74		72		40-140	3		50
Hexachloroethane	76		73		40-140	4		50
Isophorone	78		75		40-140	4		50
Naphthalene	80		78		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-12 Batch: WG1096564-2 WG1096564-3								
Nitrobenzene	75		72		40-140	4		50
NDPA/DPA	87		83		36-157	5		50
n-Nitrosodi-n-propylamine	76		74		32-121	3		50
Bis(2-ethylhexyl)phthalate	101		95		40-140	6		50
Butyl benzyl phthalate	94		90		40-140	4		50
Di-n-butylphthalate	95		90		40-140	5		50
Di-n-octylphthalate	101		94		40-140	7		50
Diethyl phthalate	87		83		40-140	5		50
Dimethyl phthalate	86		82		40-140	5		50
Benzo(a)anthracene	87		84		40-140	4		50
Benzo(a)pyrene	89		84		40-140	6		50
Benzo(b)fluoranthene	92		83		40-140	10		50
Benzo(k)fluoranthene	84		84		40-140	0		50
Chrysene	86		81		40-140	6		50
Acenaphthylene	89		86		40-140	3		50
Anthracene	87		83		40-140	5		50
Benzo(ghi)perylene	88		81		40-140	8		50
Fluorene	84		81		40-140	4		50
Phenanthrene	83		80		40-140	4		50
Dibenzo(a,h)anthracene	90		84		40-140	7		50
Indeno(1,2,3-cd)pyrene	90		85		40-140	6		50
Pyrene	84		81		35-142	4		50
Biphenyl	86		83		54-104	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-12 Batch: WG1096564-2 WG1096564-3								
4-Chloroaniline	**37**	Q	**36**	Q	40-140	3		50
2-Nitroaniline	90		85		47-134	6		50
3-Nitroaniline	55		54		26-129	2		50
4-Nitroaniline	81		80		41-125	1		50
Dibenzofuran	83		80		40-140	4		50
2-Methylnaphthalene	84		82		40-140	2		50
1,2,4,5-Tetrachlorobenzene	83		81		40-117	2		50
Acetophenone	78		75		14-144	4		50
n-Nitrosodimethylamine	68		67		22-100	1		50
2,4,6-Trichlorophenol	89		86		30-130	3		50
p-Chloro-m-cresol	88		85		26-103	3		50
2-Chlorophenol	82		80		25-102	2		50
2,4-Dichlorophenol	88		85		30-130	3		50
2,4-Dimethylphenol	85		82		30-130	4		50
2-Nitrophenol	82		80		30-130	2		50
4-Nitrophenol	90		86		11-114	5		50
2,4-Dinitrophenol	75		72		4-130	4		50
4,6-Dinitro-o-cresol	89		85		10-130	5		50
Pentachlorophenol	75		73		17-109	3		50
Phenol	79		76		26-90	4		50
2-Methylphenol	84		82		30-130.	2		50
3-Methylphenol/4-Methylphenol	84		83		30-130	1		50
2,4,5-Trichlorophenol	93		91		30-130	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-12 Batch: WG1096564-2 WG1096564-3								
Benzoic Acid	82		70		10-110	16		50
Benzyl Alcohol	79		77		40-140	3		50
Carbazole	87		83		54-128	5		50
Atrazine	87		83		40-140	5		50
Benzaldehyde	62		62		40-140	0		50
Caprolactam	82		79		15-130	4		50
2,3,4,6-Tetrachlorophenol	86		82		40-140	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		79		25-120
Phenol-d6	83		80		10-120
Nitrobenzene-d5	78		73		23-120
2-Fluorobiphenyl	87		85		30-120
2,4,6-Tribromophenol	88		84		10-136
4-Terphenyl-d14	86		83		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 07-12 Batch: WG1097307-2 WG1097307-3								
Hexachlorobenzene	91		87		40-140	4		30
2,4-Dinitrotoluene	105		100		40-132	5		30
Hexachlorobutadiene	88		81		28-111	8		30
Hexachloroethane	82		76		21-105	8		30
Nitrobenzene	85		77		40-140	10		30
2,4,6-Trichlorophenol	101		95		30-130	6		30
Pentachlorophenol	86		82		9-103	5		30
2-Methylphenol	92		86		30-130	7		30
3-Methylphenol/4-Methylphenol	93		87		30-130	7		30
2,4,5-Trichlorophenol	107		101		30-130	6		30
Pyridine	23		46		10-66	**67**	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		74		21-120
Phenol-d6	74		70		10-120
Nitrobenzene-d5	79		75		23-120
2-Fluorobiphenyl	89		86		15-120
2,4,6-Tribromophenol	84		80		10-120
4-Terphenyl-d14	96		92		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG1097396-2 WG1097396-3

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Acenaphthene	84		89		31-137	6		50
Benzidine	28		35		10-66	22		50
1,2,4-Trichlorobenzene	72		79		38-107	9		50
Hexachlorobenzene	78		82		40-140	5		50
Bis(2-chloroethyl)ether	73		81		40-140	10		50
2-Chloronaphthalene	87		92		40-140	6		50
1,2-Dichlorobenzene	74		78		40-140	5		50
1,3-Dichlorobenzene	75		79		40-140	5		50
1,4-Dichlorobenzene	75		78		28-104	4		50
3,3'-Dichlorobenzidine	62		68		40-140	9		50
2,4-Dinitrotoluene	90		95		40-132	5		50
2,6-Dinitrotoluene	90		94		40-140	4		50
Azobenzene	88		93		40-140	6		50
Fluoranthene	88		95		40-140	8		50
4-Chlorophenyl phenyl ether	83		87		40-140	5		50
4-Bromophenyl phenyl ether	79		85		40-140	7		50
Bis(2-chloroisopropyl)ether	69		76		40-140	10		50
Bis(2-chloroethoxy)methane	78		80		40-117	3		50
Hexachlorobutadiene	72		79		40-140	9		50
Hexachlorocyclopentadiene	65		72		40-140	10		50
Hexachloroethane	75		80		40-140	6		50
Isophorone	77		80		40-140	4		50
Naphthalene	78		86		40-140	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG1097396-2 WG1097396-3								
Nitrobenzene	75		81		40-140	8		50
NDPA/DPA	87		92		36-157	6		50
n-Nitrosodi-n-propylamine	74		79		32-121	7		50
Bis(2-ethylhexyl)phthalate	89		92		40-140	3		50
Butyl benzyl phthalate	97		103		40-140	6		50
Di-n-butylphthalate	88		94		40-140	7		50
Di-n-octylphthalate	93		95		40-140	2		50
Diethyl phthalate	87		92		40-140	6		50
Dimethyl phthalate	85		90		40-140	6		50
Benzo(a)anthracene	85		88		40-140	3		50
Benzo(a)pyrene	88		94		40-140	7		50
Benzo(b)fluoranthene	86		90		40-140	5		50
Benzo(k)fluoranthene	84		94		40-140	11		50
Chrysene	84		88		40-140	5		50
Acenaphthylene	88		92		40-140	4		50
Anthracene	86		93		40-140	8		50
Benzo(ghi)perylene	86		91		40-140	6		50
Fluorene	87		91		40-140	4		50
Phenanthrene	84		92		40-140	9		50
Dibenzo(a,h)anthracene	83		89		40-140	7		50
Indeno(1,2,3-cd)pyrene	84		89		40-140	6		50
Pyrene	88		93		35-142	6		50
Biphenyl	91		95		54-104	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG1097396-2 WG1097396-3								
4-Chloroaniline	74		79		40-140	7		50
2-Nitroaniline	90		96		47-134	6		50
3-Nitroaniline	60		66		26-129	10		50
4-Nitroaniline	88		95		41-125	8		50
Dibenzofuran	86		92		40-140	7		50
2-Methylnaphthalene	82		87		40-140	6		50
1,2,4,5-Tetrachlorobenzene	84		90		40-117	7		50
Acetophenone	80		87		14-144	8		50
n-Nitrosodimethylamine	74		76		22-100	3		50
2,4,6-Trichlorophenol	83		87		30-130	5		50
p-Chloro-m-cresol	87		92		26-103	6		50
2-Chlorophenol	80		86		25-102	7		50
2,4-Dichlorophenol	85		86		30-130	1		50
2,4-Dimethylphenol	86		87		30-130	1		50
2-Nitrophenol	80		86		30-130	7		50
4-Nitrophenol	103		108		11-114	5		50
2,4-Dinitrophenol	68		70		4-130	3		50
4,6-Dinitro-o-cresol	85		92		10-130	8		50
Pentachlorophenol	65		68		17-109	5		50
Phenol	83		87		26-90	5		50
2-Methylphenol	83		87		30-130.	5		50
3-Methylphenol/4-Methylphenol	85		87		30-130	2		50
2,4,5-Trichlorophenol	86		90		30-130	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG1097396-2 WG1097396-3								
Benzoic Acid	59		53		10-110	11		50
Benzyl Alcohol	79		83		40-140	5		50
Carbazole	89		96		54-128	8		50
Atrazine	92		99		40-140	7		50
Benzaldehyde	64		73		40-140	13		50
Caprolactam	90		93		15-130	3		50
2,3,4,6-Tetrachlorophenol	80		87		40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		91		25-120
Phenol-d6	86		90		10-120
Nitrobenzene-d5	78		84		23-120
2-Fluorobiphenyl	85		88		30-120
2,4,6-Tribromophenol	82		87		10-136
4-Terphenyl-d14	87		93		18-120

PETROLEUM HYDROCARBONS

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-01
Client ID: WC01_GRAB_LB05_1-3
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 03/14/18 17:32
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 11:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	283		mg/kg	26.7	26.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	88		40-140
o-Terphenyl	82		40-140

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-02
Client ID: WC01_GRAB_LB10_6-8
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:45
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 03/14/18 18:03
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 11:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	145		mg/kg	27.8	27.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	86		40-140
o-Terphenyl	80		40-140

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-03
Client ID: WC01_GRAB_LB03_10-12
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 13:00
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 03/14/18 14:56
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 11:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	25.1	25.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	84		40-140
o-Terphenyl	81		40-140

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-04
Client ID: WC02_GRAB_LB04_0-2
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 09:20
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 03/14/18 18:34
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 11:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	130		mg/kg	25.9	25.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	76		40-140
o-Terphenyl	73		40-140

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-05
Client ID: WC02_GRAB_LB07_8-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 10:42
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 03/14/18 19:05
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 11:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	138		mg/kg	26.5	26.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	91		40-140
o-Terphenyl	88		40-140

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-06
Client ID: WC02_GRAB_LB02_13-15
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 10:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 03/14/18 19:36
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 12:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	26.7	26.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	86		40-140
o-Terphenyl	83		40-140

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 03/14/18 11:50
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 03/11/18 14:31

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 01-06 Batch: WG1096336-1					
Total EPH	ND		mg/kg	23.1	23.1

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	81		40-140
o-Terphenyl	76		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-06 Batch: WG1096336-2 WG1096336-3								
Total EPH	106		91		40-140	15		25
Nonane (C9)	86		63		40-140	**31**	Q	25
Decane (C10)	94		69		40-140	**31**	Q	25
Dodecane (C12)	96		71		40-140	**30**	Q	25
Tetradecane (C14)	97		73		40-140	**28**	Q	25
Hexadecane (C16)	104		82		40-140	24		25
Octadecane (C18)	114		96		40-140	17		25
Eicosane (C20)	114		100		40-140	13		25
Heneicosane (C21)	114		100		40-140	13		25
Docosane (C22)	112		99		40-140	12		25
Tetracosane (C24)	109		98		40-140	11		25
Hexacosane (C26)	105		95		40-140	10		25
Octacosane (C28)	101		91		40-140	10		25
Triacontane (C30)	99		89		40-140	11		25
Dotriacontane (C32)	98		88		40-140	11		25
Tetratriacontane (C34)	96		86		40-140	11		25
Hexatriacontane (C36)	100		88		40-140	13		25
Octatriacontane (C38)	98		89		40-140	10		25
Tetracontane (C40)	97		87		40-140	11		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-06 Batch: WG1096336-2 WG1096336-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	93		81		40-140
o-Terphenyl	88		75		40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1096336-4 QC Sample: L1808006-01 Client ID: MS Sample												
Total EPH	145	262	452	117		-	-		40-140	-		50
Nonane (C9)	ND	7.29	6.82	94		-	-		40-140	-		50
Decane (C10)	ND	7.29	7.39	101		-	-		40-140	-		50
Dodecane (C12)	ND	7.29	7.60	104		-	-		40-140	-		50
Tetradecane (C14)	ND	7.29	8.20	112		-	-		40-140	-		50
Hexadecane (C16)	ND	7.29	8.92	122		-	-		40-140	-		50
Octadecane (C18)	ND	7.29	9.17	126		-	-		40-140	-		50
Eicosane (C20)	ND	7.29	9.23	127		-	-		40-140	-		50
Heneicosane (C21)	ND	7.29	9.05	124		-	-		40-140	-		50
Docosane (C22)	ND	7.29	8.95	123		-	-		40-140	-		50
Tetracosane (C24)	ND	7.29	8.84	121		-	-		40-140	-		50
Hexacosane (C26)	ND	7.29	8.58	118		-	-		40-140	-		50
Octacosane (C28)	ND	7.29	8.36	115		-	-		40-140	-		50
Triacontane (C30)	ND	7.29	8.23	113		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.29	7.97	109		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.29	7.67	105		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.29	8.06	111		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.29	8.11	111		-	-		40-140	-		50
Tetracontane (C40)	ND	7.29	8.08	111		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	100				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1096336-4 QC Sample: L1808006-01 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	95				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1096336-5 QC Sample: L1808006-01 Client ID: DUP Sample						
Total EPH	145	122	mg/kg	17		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	91		90		40-140
o-Terphenyl	86		84		40-140

PCBS

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-07
Client ID: WC01_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 16:50
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/15/18 15:46
Analyst: HT
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 07:46
Cleanup Method: EPA 3665A
Cleanup Date: 03/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/13/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	4.35	1	A
Aroclor 1221	ND		ug/kg	38.4	5.84	1	A
Aroclor 1232	ND		ug/kg	38.4	3.78	1	A
Aroclor 1242	ND		ug/kg	38.4	4.70	1	A
Aroclor 1248	ND		ug/kg	38.4	4.31	1	A
Aroclor 1254	9.49	J	ug/kg	38.4	3.13	1	B
Aroclor 1260	9.38	J	ug/kg	38.4	4.01	1	B
Aroclor 1262	ND		ug/kg	38.4	3.16	1	A
Aroclor 1268	ND		ug/kg	38.4	2.72	1	A
PCBs, Total	18.9	J	ug/kg	38.4	2.72	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-08
Client ID: WC01_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:00
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/15/18 16:00
Analyst: HT
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 07:46
Cleanup Method: EPA 3665A
Cleanup Date: 03/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/13/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.7	4.39	1	A
Aroclor 1221	ND		ug/kg	38.7	5.89	1	A
Aroclor 1232	ND		ug/kg	38.7	3.81	1	A
Aroclor 1242	ND		ug/kg	38.7	4.74	1	A
Aroclor 1248	ND		ug/kg	38.7	4.34	1	A
Aroclor 1254	ND		ug/kg	38.7	3.16	1	A
Aroclor 1260	ND		ug/kg	38.7	4.04	1	A
Aroclor 1262	ND		ug/kg	38.7	3.18	1	A
Aroclor 1268	ND		ug/kg	38.7	2.74	1	A
PCBs, Total	ND		ug/kg	38.7	2.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-09
Client ID: WC01_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/15/18 18:14
Analyst: HT
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 07:46
Cleanup Method: EPA 3665A
Cleanup Date: 03/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/13/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	3.95	1	A
Aroclor 1221	ND		ug/kg	34.8	5.30	1	A
Aroclor 1232	ND		ug/kg	34.8	3.43	1	A
Aroclor 1242	ND		ug/kg	34.8	4.26	1	A
Aroclor 1248	ND		ug/kg	34.8	3.91	1	A
Aroclor 1254	ND		ug/kg	34.8	2.84	1	A
Aroclor 1260	ND		ug/kg	34.8	3.64	1	A
Aroclor 1262	ND		ug/kg	34.8	2.86	1	A
Aroclor 1268	ND		ug/kg	34.8	2.47	1	A
PCBs, Total	ND		ug/kg	34.8	2.47	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10
Client ID: WC02_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/15/18 18:28
Analyst: HT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 07:46
Cleanup Method: EPA 3665A
Cleanup Date: 03/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/13/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	4.11	1	A
Aroclor 1221	ND		ug/kg	36.2	5.51	1	A
Aroclor 1232	ND		ug/kg	36.2	3.56	1	A
Aroclor 1242	ND		ug/kg	36.2	4.43	1	A
Aroclor 1248	ND		ug/kg	36.2	4.06	1	A
Aroclor 1254	35.4	J	ug/kg	36.2	2.95	1	B
Aroclor 1260	13.2	J	ug/kg	36.2	3.78	1	B
Aroclor 1262	ND		ug/kg	36.2	2.98	1	A
Aroclor 1268	ND		ug/kg	36.2	2.56	1	A
PCBs, Total	48.6	J	ug/kg	36.2	2.56	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11
Client ID: WC02_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/15/18 18:41
Analyst: HT
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 07:46
Cleanup Method: EPA 3665A
Cleanup Date: 03/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/13/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	4.22	1	A
Aroclor 1221	ND		ug/kg	37.3	5.67	1	A
Aroclor 1232	ND		ug/kg	37.3	3.67	1	A
Aroclor 1242	ND		ug/kg	37.3	4.56	1	A
Aroclor 1248	ND		ug/kg	37.3	4.18	1	A
Aroclor 1254	54.8		ug/kg	37.3	3.04	1	A
Aroclor 1260	98.3		ug/kg	37.3	3.89	1	A
Aroclor 1262	ND		ug/kg	37.3	3.06	1	A
Aroclor 1268	ND		ug/kg	37.3	2.64	1	A
PCBs, Total	153		ug/kg	37.3	2.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-12
Client ID: WC02_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:20
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/15/18 18:55
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 07:46
Cleanup Method: EPA 3665A
Cleanup Date: 03/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/13/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	3.99	1	A
Aroclor 1221	ND		ug/kg	35.2	5.36	1	A
Aroclor 1232	ND		ug/kg	35.2	3.46	1	A
Aroclor 1242	ND		ug/kg	35.2	4.31	1	A
Aroclor 1248	ND		ug/kg	35.2	3.95	1	A
Aroclor 1254	ND		ug/kg	35.2	2.87	1	A
Aroclor 1260	ND		ug/kg	35.2	3.68	1	A
Aroclor 1262	ND		ug/kg	35.2	2.89	1	A
Aroclor 1268	ND		ug/kg	35.2	2.49	1	A
PCBs, Total	ND		ug/kg	35.2	2.49	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/15/18 07:34
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 03/12/18 07:45
Cleanup Method: EPA 3665A
Cleanup Date: 03/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07-12 Batch: WG1096432-1						
Aroclor 1016	ND		ug/kg	32.3	3.66	A
Aroclor 1221	ND		ug/kg	32.3	4.92	A
Aroclor 1232	ND		ug/kg	32.3	3.18	A
Aroclor 1242	ND		ug/kg	32.3	3.95	A
Aroclor 1248	ND		ug/kg	32.3	3.62	A
Aroclor 1254	ND		ug/kg	32.3	2.64	A
Aroclor 1260	ND		ug/kg	32.3	3.37	A
Aroclor 1262	ND		ug/kg	32.3	2.66	A
Aroclor 1268	ND		ug/kg	32.3	2.29	A
PCBs, Total	ND		ug/kg	32.3	2.29	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07-12 Batch: WG1096432-2 WG1096432-3									
Aroclor 1016	78		82		40-140	5		50	A
Aroclor 1260	71		75		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		88		30-150	A
Decachlorobiphenyl	74		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		94		30-150	B
Decachlorobiphenyl	72		75		30-150	B

PESTICIDES

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-07
Client ID: WC01_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 16:50
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/15/18 20:39
Analyst: SL
Percent Solids: 85%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 13:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	120		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	128		30-150	B

Project Name: 300 WEST 122ND ST.
Lab Number: L1808297
Project Number: 170500202
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-07
Client ID: WC01_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 16:50
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/15/18 10:33
Analyst: TQ
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 16:38
Cleanup Method: EPA 3620B
Cleanup Date: 03/14/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.358	1	A
Lindane	ND		ug/kg	0.761	0.340	1	A
Alpha-BHC	ND		ug/kg	0.761	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.692	1	A
Heptachlor	ND		ug/kg	0.913	0.409	1	A
Aldrin	ND		ug/kg	1.82	0.643	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.03	1	A
Endrin	ND		ug/kg	0.761	0.312	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.799	1	A
Endrin ketone	ND		ug/kg	1.82	0.470	1	A
Dieldrin	ND		ug/kg	1.14	0.570	1	A
4,4'-DDE	3.08		ug/kg	1.82	0.422	1	A
4,4'-DDD	4.15		ug/kg	1.82	0.651	1	A
4,4'-DDT	ND		ug/kg	3.42	1.47	1	A
Endosulfan I	ND		ug/kg	1.82	0.431	1	A
Endosulfan II	ND		ug/kg	1.82	0.610	1	A
Endosulfan sulfate	ND		ug/kg	0.761	0.362	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
Toxaphene	ND		ug/kg	34.2	9.58	1	A
cis-Chlordane	ND		ug/kg	2.28	0.636	1	A
trans-Chlordane	ND		ug/kg	2.28	0.602	1	A
Chlordane	ND		ug/kg	14.8	6.05	1	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-07 Date Collected: 03/08/18 16:50

Client ID: WC01_COMP_0-5 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	**188**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	82		30-150	A

Project Name: 300 WEST 122ND ST.
Lab Number: L1808297
Project Number: 170500202
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-07
Client ID: WC01_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 16:50
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/16/18 01:50
Analyst: KEG
Percent Solids: 85%
TCLP/SPLP Ext. Date: 03/12/18 07:41
Methylation Date: 03/15/18 12:06

Extraction Method: EPA 8151A
Extraction Date: 03/15/18 00:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	39		30-150	A
DCAA	36		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-07
Client ID: WC01_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 16:50
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/15/18 16:53
Analyst: SL
Percent Solids: 85%
Methylation Date: 03/14/18 19:43

Extraction Method: EPA 8151A
Extraction Date: 03/12/18 14:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	195	12.3	1	A
2,4,5-T	ND		ug/kg	195	6.05	1	A
2,4,5-TP (Silvex)	ND		ug/kg	195	5.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	33		30-150	A
DCAA	38		30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-08
Client ID: WC01_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:00
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/15/18 20:51
Analyst: KEG
Percent Solids: 85%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 13:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-08
Client ID: WC01_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:00
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/15/18 10:46
Analyst: JW
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 16:38
Cleanup Method: EPA 3620B
Cleanup Date: 03/14/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.759	0.339	1	A
Alpha-BHC	ND		ug/kg	0.759	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.691	1	A
Heptachlor	ND		ug/kg	0.911	0.408	1	A
Aldrin	ND		ug/kg	1.82	0.641	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.02	1	A
Endrin	ND		ug/kg	0.759	0.311	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.797	1	A
Endrin ketone	ND		ug/kg	1.82	0.469	1	A
Dieldrin	ND		ug/kg	1.14	0.569	1	A
4,4'-DDE	ND		ug/kg	1.82	0.421	1	A
4,4'-DDD	ND		ug/kg	1.82	0.650	1	A
4,4'-DDT	ND		ug/kg	3.42	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.430	1	A
Endosulfan II	ND		ug/kg	1.82	0.609	1	A
Endosulfan sulfate	ND		ug/kg	0.759	0.361	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
Toxaphene	ND		ug/kg	34.2	9.56	1	A
cis-Chlordane	ND		ug/kg	2.28	0.635	1	A
trans-Chlordane	ND		ug/kg	2.28	0.601	1	A
Chlordane	ND		ug/kg	14.8	6.03	1	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-08 Date Collected: 03/08/18 17:00

Client ID: WC01_COMP_5-10 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	95		30-150	B
2,4,5,6-Tetrachloro-m-xylene	113		30-150	A
Decachlorobiphenyl	81		30-150	A

Project Name: 300 WEST 122ND ST.
Lab Number: L1808297
Project Number: 170500202
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-08
Client ID: WC01_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:00
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/18/18 19:11
Analyst: SL
Percent Solids: 85%
TCLP/SPLP Ext. Date: 03/12/18 07:41
Methylation Date: 03/16/18 21:20

Extraction Method: EPA 8151A
Extraction Date: 03/16/18 12:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	34		30-150	A
DCAA	34		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-08
Client ID: WC01_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:00
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/15/18 17:11
Analyst: SL
Percent Solids: 85%
Methylation Date: 03/14/18 19:43

Extraction Method: EPA 8151A
Extraction Date: 03/12/18 14:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	193	12.2	1	A
2,4,5-T	ND		ug/kg	193	5.98	1	A
2,4,5-TP (Silvex)	ND		ug/kg	193	5.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	115		30-150	A
DCAA	113		30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-09
Client ID: WC01_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/15/18 21:04
Analyst: KEG
Percent Solids: 93%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 13:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	126		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	114		30-150	B
Decachlorobiphenyl	137		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-09
Client ID: WC01_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/15/18 10:59
Analyst: JW
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 16:38
Cleanup Method: EPA 3620B
Cleanup Date: 03/14/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.322	1	A
Lindane	ND		ug/kg	0.685	0.306	1	A
Alpha-BHC	ND		ug/kg	0.685	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.623	1	A
Heptachlor	ND		ug/kg	0.822	0.368	1	A
Aldrin	ND		ug/kg	1.64	0.578	1	A
Heptachlor epoxide	ND		ug/kg	3.08	0.924	1	A
Endrin	ND		ug/kg	0.685	0.281	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.719	1	A
Endrin ketone	ND		ug/kg	1.64	0.423	1	A
Dieldrin	ND		ug/kg	1.03	0.513	1	A
4,4'-DDE	ND		ug/kg	1.64	0.380	1	A
4,4'-DDD	ND		ug/kg	1.64	0.586	1	A
4,4'-DDT	ND		ug/kg	3.08	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.388	1	A
Endosulfan II	ND		ug/kg	1.64	0.549	1	A
Endosulfan sulfate	ND		ug/kg	0.685	0.326	1	A
Methoxychlor	ND		ug/kg	3.08	0.958	1	A
Toxaphene	ND		ug/kg	30.8	8.63	1	A
cis-Chlordane	ND		ug/kg	2.05	0.572	1	A
trans-Chlordane	ND		ug/kg	2.05	0.542	1	A
Chlordane	ND		ug/kg	13.4	5.44	1	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-09 Date Collected: 03/08/18 17:15

Client ID: WC01_COMP_10-16 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	54		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	45		30-150	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-09
Client ID: WC01_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/16/18 02:27
Analyst: KEG
Percent Solids: 93%
TCLP/SPLP Ext. Date: 03/12/18 07:41
Methylation Date: 03/15/18 12:06

Extraction Method: EPA 8151A
Extraction Date: 03/15/18 00:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	37		30-150	A
DCAA	34		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-09
Client ID: WC01_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/15/18 18:08
Analyst: SL
Percent Solids: 93%
Methylation Date: 03/14/18 19:43

Extraction Method: EPA 8151A
Extraction Date: 03/12/18 14:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	175	11.0	1	A
2,4,5-T	ND		ug/kg	175	5.42	1	A
2,4,5-TP (Silvex)	ND		ug/kg	175	4.65	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	112		30-150	A
DCAA	100		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10
Client ID: WC02_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/15/18 21:17
Analyst: KEG
Percent Solids: 89%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 13:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	121		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	113		30-150	B
Decachlorobiphenyl	**153**	Q	30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10
Client ID: WC02_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/15/18 11:11
Analyst: JW
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 16:38
Cleanup Method: EPA 3620B
Cleanup Date: 03/14/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.338	1	A
Lindane	ND		ug/kg	0.719	0.321	1	A
Alpha-BHC	ND		ug/kg	0.719	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.654	1	A
Heptachlor	3.91		ug/kg	0.863	0.387	1	A
Aldrin	ND		ug/kg	1.72	0.608	1	A
Heptachlor epoxide	3.40		ug/kg	3.24	0.971	1	A
Endrin	ND		ug/kg	0.719	0.295	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.755	1	A
Endrin ketone	ND		ug/kg	1.72	0.444	1	A
Dieldrin	13.1		ug/kg	1.08	0.539	1	B
4,4'-DDE	6.60		ug/kg	1.72	0.399	1	A
4,4'-DDD	0.945	J	ug/kg	1.72	0.616	1	B
4,4'-DDT	4.34	P	ug/kg	3.24	1.39	1	B
Endosulfan I	ND		ug/kg	1.72	0.408	1	A
Endosulfan II	ND		ug/kg	1.72	0.577	1	A
Endosulfan sulfate	ND		ug/kg	0.719	0.342	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.06	1	A
cis-Chlordane	19.6	P	ug/kg	2.16	0.601	1	A
trans-Chlordane	16.6	PI	ug/kg	2.16	0.570	1	A
Chlordane	122		ug/kg	14.0	5.72	1	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10 Date Collected: 03/08/18 11:10

Client ID: WC02_COMP_0-5 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	48		30-150	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10
Client ID: WC02_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/16/18 02:46
Analyst: KEG
Percent Solids: 89%
TCLP/SPLP Ext. Date: 03/12/18 07:41
Methylation Date: 03/15/18 12:06

Extraction Method: EPA 8151A
Extraction Date: 03/15/18 00:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	30		30-150	A
DCAA	**28**	Q	30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10
Client ID: WC02_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/15/18 18:27
Analyst: SL
Percent Solids: 89%
Methylation Date: 03/14/18 19:43

Extraction Method: EPA 8151A
Extraction Date: 03/12/18 14:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	11.5	1	A
2,4,5-T	ND		ug/kg	182	5.64	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	4.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	99		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11
Client ID: WC02_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/15/18 21:30
Analyst: KEG
Percent Solids: 87%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 13:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	149		30-150	A
Decachlorobiphenyl	138		30-150	A
2,4,5,6-Tetrachloro-m-xylene	127		30-150	B
Decachlorobiphenyl	**183**	Q	30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11
Client ID: WC02_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/15/18 11:24
Analyst: JW
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 16:38
Cleanup Method: EPA 3620B
Cleanup Date: 03/14/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.338	1	A
Lindane	ND		ug/kg	0.719	0.321	1	A
Alpha-BHC	ND		ug/kg	0.719	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.654	1	A
Heptachlor	1.93	P	ug/kg	0.863	0.387	1	A
Aldrin	ND		ug/kg	1.72	0.608	1	A
Heptachlor epoxide	ND	PI	ug/kg	3.24	0.971	1	A
Endrin	ND		ug/kg	0.719	0.295	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.755	1	A
Endrin ketone	ND		ug/kg	1.72	0.444	1	A
Dieldrin	6.87		ug/kg	1.08	0.539	1	B
4,4'-DDE	3.97	P	ug/kg	1.72	0.399	1	A
4,4'-DDD	ND		ug/kg	1.72	0.616	1	A
4,4'-DDT	9.26		ug/kg	3.24	1.39	1	B
Endosulfan I	ND		ug/kg	1.72	0.408	1	A
Endosulfan II	ND		ug/kg	1.72	0.577	1	A
Endosulfan sulfate	ND		ug/kg	0.719	0.342	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.06	1	A
cis-Chlordane	5.82		ug/kg	2.16	0.601	1	A
trans-Chlordane	6.63	PI	ug/kg	2.16	0.570	1	A
Chlordane	57.3		ug/kg	14.0	5.72	1	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11 Date Collected: 03/08/18 11:15

Client ID: WC02_COMP_5-10 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	51		30-150	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11
Client ID: WC02_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/16/18 03:05
Analyst: KEG
Percent Solids: 87%
TCLP/SPLP Ext. Date: 03/12/18 07:41
Methylation Date: 03/15/18 12:06

Extraction Method: EPA 8151A
Extraction Date: 03/15/18 00:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	37		30-150	A
DCAA	31		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11
Client ID: WC02_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/15/18 17:30
Analyst: SL
Percent Solids: 87%
Methylation Date: 03/14/18 19:43

Extraction Method: EPA 8151A
Extraction Date: 03/12/18 14:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	11.8	1	A
2,4,5-T	ND		ug/kg	188	5.83	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	5.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	85		30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-12
Client ID: WC02_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:20
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/15/18 21:42
Analyst: KEG
Percent Solids: 92%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 13:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**172**	Q	30-150	A
Decachlorobiphenyl	150		30-150	A
2,4,5,6-Tetrachloro-m-xylene	128		30-150	B
Decachlorobiphenyl	**169**	Q	30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-12
Client ID: WC02_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:20
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/15/18 11:37
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 03/12/18 16:38
Cleanup Method: EPA 3620B
Cleanup Date: 03/14/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.326	1	A
Lindane	ND		ug/kg	0.693	0.310	1	A
Alpha-BHC	ND		ug/kg	0.693	0.197	1	A
Beta-BHC	ND		ug/kg	1.66	0.631	1	A
Heptachlor	ND		ug/kg	0.832	0.373	1	A
Aldrin	ND		ug/kg	1.66	0.586	1	A
Heptachlor epoxide	ND		ug/kg	3.12	0.936	1	A
Endrin	ND		ug/kg	0.693	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.728	1	A
Endrin ketone	ND		ug/kg	1.66	0.428	1	A
Dieldrin	ND		ug/kg	1.04	0.520	1	A
4,4'-DDE	ND		ug/kg	1.66	0.385	1	A
4,4'-DDD	ND		ug/kg	1.66	0.593	1	A
4,4'-DDT	ND		ug/kg	3.12	1.34	1	A
Endosulfan I	ND		ug/kg	1.66	0.393	1	A
Endosulfan II	ND		ug/kg	1.66	0.556	1	A
Endosulfan sulfate	ND		ug/kg	0.693	0.330	1	A
Methoxychlor	ND		ug/kg	3.12	0.970	1	A
Toxaphene	ND		ug/kg	31.2	8.73	1	A
cis-Chlordane	ND		ug/kg	2.08	0.579	1	A
trans-Chlordane	ND		ug/kg	2.08	0.549	1	A
Chlordane	ND		ug/kg	13.5	5.51	1	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-12 Date Collected: 03/08/18 11:20

Client ID: WC02_COMP_10-16 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	49		30-150	A

Project Name: 300 WEST 122ND ST.
Lab Number: L1808297
Project Number: 170500202
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-12
Client ID: WC02_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:20
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/16/18 03:43
Analyst: KEG
Percent Solids: 92%
TCLP/SPLP Ext. Date: 03/12/18 07:41
Methylation Date: 03/15/18 12:06

Extraction Method: EPA 8151A
Extraction Date: 03/15/18 00:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	43		30-150	A
DCAA	41		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-12
Client ID: WC02_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:20
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/15/18 17:49
Analyst: SL
Percent Solids: 92%
Methylation Date: 03/14/18 19:43

Extraction Method: EPA 8151A
Extraction Date: 03/12/18 14:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	176	11.1	1	A
2,4,5-T	ND		ug/kg	176	5.45	1	A
2,4,5-TP (Silvex)	ND		ug/kg	176	4.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	130		30-150	A
DCAA	109		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/15/18 13:25
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 03/12/18 14:54

Methylation Date: 03/14/18 19:43

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 07-12 Batch: WG1096593-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.01	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	118		30-150	A
DCAA	**164**	Q	30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/14/18 20:52
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/12/18 16:38
Cleanup Method: EPA 3620B
Cleanup Date: 03/13/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07-12 Batch: WG1096629-1						
Delta-BHC	ND		ug/kg	1.51	0.295	A
Lindane	ND		ug/kg	0.628	0.281	A
Alpha-BHC	ND		ug/kg	0.628	0.178	A
Beta-BHC	ND		ug/kg	1.51	0.572	A
Heptachlor	ND		ug/kg	0.754	0.338	A
Aldrin	ND		ug/kg	1.51	0.531	A
Heptachlor epoxide	ND		ug/kg	2.83	0.848	A
Endrin	ND		ug/kg	0.628	0.258	A
Endrin aldehyde	ND		ug/kg	1.88	0.660	A
Endrin ketone	ND		ug/kg	1.51	0.388	A
Dieldrin	ND		ug/kg	0.942	0.471	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	0.356	A
Endosulfan II	ND		ug/kg	1.51	0.504	A
Endosulfan sulfate	ND		ug/kg	0.628	0.299	A
Methoxychlor	ND		ug/kg	2.83	0.879	A
Toxaphene	ND		ug/kg	28.3	7.91	A
cis-Chlordane	ND		ug/kg	1.88	0.525	A
trans-Chlordane	ND		ug/kg	1.88	0.497	A
Chlordane	ND		ug/kg	12.2	4.99	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/14/18 20:52
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/12/18 16:38
Cleanup Method: EPA 3620B
Cleanup Date: 03/13/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07-12 Batch: WG1096629-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	82		30-150	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/16/18 00:16
Analyst: KEG
TCLP/SPLP Extraction Date: 03/12/18 07:41
Methylation Date: 03/15/18 12:06

Extraction Method: EPA 8151A
Extraction Date: 03/15/18 00:32

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 07,09-12 Batch: WG1097179-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	37		30-150	A
DCAA	34		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/15/18 19:35
Analyst: SL
TCLP/SPLP Extraction Date: 03/12/18 07:41

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 13:30

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 07-12 Batch: WG1097408-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	130		30-150	A
Decachlorobiphenyl	108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	113		30-150	B
Decachlorobiphenyl	148		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/18/18 18:14
Analyst: SL
TCLP/SPLP Extraction Date: 03/12/18 07:41
Methylation Date: 03/16/18 21:20

Extraction Method: EPA 8151A
Extraction Date: 03/16/18 12:09

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 08 Batch: WG1097790-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 07-12 Batch: WG1096593-2 WG1096593-3									
2,4-D	85		81		30-150	5		30	A
2,4,5-T	82		79		30-150	4		30	A
2,4,5-TP (Silvex)	78		76		30-150	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	116		110		30-150	A
DCAA	**154**	Q	**168**	Q	30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07-12 Batch: WG1096629-2 WG1096629-3									
Delta-BHC	99		101		30-150	2		30	A
Lindane	91		94		30-150	3		30	A
Alpha-BHC	99		100		30-150	1		30	A
Beta-BHC	104		104		30-150	0		30	A
Heptachlor	86		89		30-150	3		30	A
Aldrin	86		92		30-150	7		30	A
Heptachlor epoxide	86		93		30-150	8		30	A
Endrin	93		103		30-150	10		30	A
Endrin aldehyde	79		81		30-150	3		30	A
Endrin ketone	89		90		30-150	1		30	A
Dieldrin	96		105		30-150	9		30	A
4,4'-DDE	87		99		30-150	13		30	A
4,4'-DDD	87		98		30-150	12		30	A
4,4'-DDT	87		98		30-150	12		30	A
Endosulfan I	85		92		30-150	8		30	A
Endosulfan II	84		90		30-150	7		30	A
Endosulfan sulfate	92		100		30-150	8		30	A
Methoxychlor	98		111		30-150	12		30	A
cis-Chlordane	77		85		30-150	10		30	A
trans-Chlordane	76		84		30-150	10		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07-12 Batch: WG1096629-2 WG1096629-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		75		30-150	B
Decachlorobiphenyl	52		55		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		77		30-150	A
Decachlorobiphenyl	60		95		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 07,09-12 Batch: WG1097179-2 WG1097179-3									
2,4-D	84		94		30-150	11		25	A
2,4,5-TP (Silvex)	38		41		30-150	8		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	48		57		30-150	A
DCAA	36		80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 07-12 Batch: WG1097408-2 WG1097408-3									
Lindane	130		116		30-150	11		20	A
Heptachlor	120		110		30-150	9		20	A
Heptachlor epoxide	133		121		30-150	9		20	A
Endrin	132		118		30-150	11		20	A
Methoxychlor	136		125		30-150	8		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	129		116		30-150	A
Decachlorobiphenyl	113		95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	117		103		30-150	B
Decachlorobiphenyl	**151**	Q	131		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 08 Batch: WG1097790-2 WG1097790-3									
2,4-D	96		103		30-150	7		25	A
2,4,5-TP (Silvex)	54		57		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	86		87		30-150	A
DCAA	76		81		30-150	B

METALS

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-07
Client ID: WC01_COMP_0-5
Sample Location: NEW YORK, NY
Sample Depth:
Matrix: Soil
Percent Solids: 85%

Date Collected: 03/08/18 16:50
Date Received: 03/09/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 03/12/18 07:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	03/15/18 14:26	03/15/18 19:06	EPA 3015	1,6010C	AB
Barium, TCLP	0.534		mg/l	0.500	0.021	1	03/15/18 14:26	03/15/18 19:06	EPA 3015	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/15/18 14:26	03/15/18 19:06	EPA 3015	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	03/15/18 14:26	03/15/18 19:06	EPA 3015	1,6010C	AB
Lead, TCLP	0.885		mg/l	0.500	0.027	1	03/15/18 14:26	03/15/18 19:06	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/15/18 11:22	03/15/18 21:37	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/15/18 14:26	03/15/18 19:06	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/15/18 14:26	03/15/18 19:06	EPA 3015	1,6010C	AB

Project Name: 300 WEST 122ND ST.
Lab Number: L1808297
Project Number: 170500202
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-07
Client ID: WC01_COMP_0-5
Sample Location: NEW YORK, NY
Date Collected: 03/08/18 16:50
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10800		mg/kg	9.09	2.45	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Antimony, Total	1.07	J	mg/kg	4.55	0.346	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Arsenic, Total	2.51		mg/kg	0.909	0.189	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Barium, Total	165		mg/kg	0.909	0.158	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Beryllium, Total	0.091	J	mg/kg	0.455	0.030	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Cadmium, Total	0.782	J	mg/kg	0.909	0.089	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Calcium, Total	8290		mg/kg	9.09	3.18	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Chromium, Total	22.7		mg/kg	0.909	0.087	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Cobalt, Total	7.48		mg/kg	1.82	0.151	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Copper, Total	21.2		mg/kg	0.909	0.234	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Iron, Total	17100		mg/kg	4.55	0.821	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Lead, Total	1060		mg/kg	4.55	0.244	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Magnesium, Total	4400		mg/kg	9.09	1.40	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Manganese, Total	345		mg/kg	0.909	0.144	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Mercury, Total	0.85		mg/kg	0.08	0.02	1	03/14/18 07:30	03/14/18 20:11	EPA 7471B	1,7471B	EA
Nickel, Total	14.6		mg/kg	2.27	0.220	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Potassium, Total	1800		mg/kg	227	13.1	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Selenium, Total	0.582	J	mg/kg	1.82	0.234	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.909	0.257	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Sodium, Total	243		mg/kg	182	2.86	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.82	0.286	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Vanadium, Total	26.2		mg/kg	0.909	0.184	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
Zinc, Total	102		mg/kg	4.55	0.266	2	03/14/18 21:32	03/15/18 15:09	EPA 3050B	1,6010C	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	23		mg/kg	0.94	0.94	1		03/15/18 15:35	NA	107,-	

Project Name: 300 WEST 122ND ST.
Lab Number: L1808297
Project Number: 170500202
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-08
Client ID: WC01_COMP_5-10
Sample Location: NEW YORK, NY
Date Collected: 03/08/18 17:00
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	03/15/18 14:26	03/15/18 19:20	EPA 3015	1,6010C	AB
Barium, TCLP	0.315	J	mg/l	0.500	0.021	1	03/15/18 14:26	03/15/18 19:20	EPA 3015	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/15/18 14:26	03/15/18 19:20	EPA 3015	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	03/15/18 14:26	03/15/18 19:20	EPA 3015	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	03/15/18 14:26	03/15/18 19:20	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/15/18 11:22	03/15/18 21:39	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/15/18 14:26	03/15/18 19:20	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/15/18 14:26	03/15/18 19:20	EPA 3015	1,6010C	AB

Project Name: 300 WEST 122ND ST.
Lab Number: L1808297
Project Number: 170500202
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-08
Client ID: WC01_COMP_5-10
Sample Location: NEW YORK, NY
Date Collected: 03/08/18 17:00
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5670		mg/kg	9.22	2.49	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.61	0.350	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Arsenic, Total	3.14		mg/kg	0.922	0.192	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Barium, Total	73.5		mg/kg	0.922	0.160	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Beryllium, Total	0.120	J	mg/kg	0.461	0.030	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Cadmium, Total	0.516	J	mg/kg	0.922	0.090	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Calcium, Total	40900		mg/kg	9.22	3.23	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Chromium, Total	11.4		mg/kg	0.922	0.089	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Cobalt, Total	3.50		mg/kg	1.84	0.153	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Copper, Total	13.7		mg/kg	0.922	0.238	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Iron, Total	7800		mg/kg	4.61	0.833	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Lead, Total	157		mg/kg	4.61	0.247	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Magnesium, Total	12500		mg/kg	9.22	1.42	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Manganese, Total	176		mg/kg	0.922	0.147	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Mercury, Total	0.14		mg/kg	0.08	0.02	1	03/14/18 07:30	03/14/18 20:12	EPA 7471B	1,7471B	EA
Nickel, Total	7.70		mg/kg	2.30	0.223	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Potassium, Total	828		mg/kg	230	13.3	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Selenium, Total	0.314	J	mg/kg	1.84	0.238	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.922	0.261	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Sodium, Total	490		mg/kg	184	2.90	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.84	0.290	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Vanadium, Total	21.8		mg/kg	0.922	0.187	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
Zinc, Total	59.5		mg/kg	4.61	0.270	2	03/14/18 21:32	03/15/18 15:13	EPA 3050B	1,6010C	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	11		mg/kg	0.94	0.94	1		03/15/18 15:35	NA	107,-	

Project Name: 300 WEST 122ND ST.
Lab Number: L1808297
Project Number: 170500202
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-09
Client ID: WC01_COMP_10-16
Sample Location: NEW YORK, NY
Date Collected: 03/08/18 17:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	03/15/18 14:26	03/15/18 19:56	EPA 3015	1,6010C	AB
Barium, TCLP	0.533		mg/l	0.500	0.021	1	03/15/18 14:26	03/15/18 19:56	EPA 3015	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/15/18 14:26	03/15/18 19:56	EPA 3015	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	03/15/18 14:26	03/15/18 19:56	EPA 3015	1,6010C	AB
Lead, TCLP	0.145	J	mg/l	0.500	0.027	1	03/15/18 14:26	03/15/18 19:56	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/15/18 11:22	03/15/18 21:41	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/15/18 14:26	03/15/18 19:56	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/15/18 14:26	03/15/18 19:56	EPA 3015	1,6010C	AB

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-09
Client ID: WC01_COMP_10-16
Sample Location: NEW YORK, NY
Date Collected: 03/08/18 17:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5660		mg/kg	8.21	2.22	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.11	0.312	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Arsenic, Total	0.871		mg/kg	0.821	0.171	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Barium, Total	42.4		mg/kg	0.821	0.143	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Beryllium, Total	0.123	J	mg/kg	0.411	0.027	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Cadmium, Total	0.320	J	mg/kg	0.821	0.081	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Calcium, Total	6020		mg/kg	8.21	2.87	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Chromium, Total	13.4		mg/kg	0.821	0.079	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Cobalt, Total	4.42		mg/kg	1.64	0.136	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Copper, Total	19.6		mg/kg	0.821	0.212	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Iron, Total	7800		mg/kg	4.11	0.742	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Lead, Total	76.5		mg/kg	4.11	0.220	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Magnesium, Total	2270		mg/kg	8.21	1.26	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Manganese, Total	266		mg/kg	0.821	0.130	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Mercury, Total	0.04	J	mg/kg	0.07	0.01	1	03/14/18 07:30	03/14/18 20:14	EPA 7471B	1,7471B	EA
Nickel, Total	11.9		mg/kg	2.05	0.199	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Potassium, Total	1140		mg/kg	205	11.8	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	1.64	0.212	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.821	0.232	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Sodium, Total	262		mg/kg	164	2.59	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.64	0.259	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Vanadium, Total	14.8		mg/kg	0.821	0.167	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
Zinc, Total	21.0		mg/kg	4.11	0.241	2	03/14/18 21:32	03/15/18 15:18	EPA 3050B	1,6010C	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	13		mg/kg	0.86	0.86	1		03/15/18 15:36	NA	107,-	

Project Name: 300 WEST 122ND ST.
Lab Number: L1808297
Project Number: 170500202
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10
Client ID: WC02_COMP_0-5
Sample Location: NEW YORK, NY
Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	03/15/18 14:26	03/15/18 20:00	EPA 3015	1,6010C	AB
Barium, TCLP	0.226	J	mg/l	0.500	0.021	1	03/15/18 14:26	03/15/18 20:00	EPA 3015	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/15/18 14:26	03/15/18 20:00	EPA 3015	1,6010C	AB
Chromium, TCLP	0.045	J	mg/l	0.200	0.021	1	03/15/18 14:26	03/15/18 20:00	EPA 3015	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	03/15/18 14:26	03/15/18 20:00	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/15/18 11:22	03/15/18 21:43	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/15/18 14:26	03/15/18 20:00	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/15/18 14:26	03/15/18 20:00	EPA 3015	1,6010C	AB

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10 Date Collected: 03/08/18 11:10

Client ID: WC02_COMP_0-5 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5860		mg/kg	8.81	2.38	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.41	0.335	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Arsenic, Total	3.44		mg/kg	0.881	0.183	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Barium, Total	50.8		mg/kg	0.881	0.153	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Beryllium, Total	0.150	J	mg/kg	0.441	0.029	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Cadmium, Total	0.494	J	mg/kg	0.881	0.086	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Calcium, Total	57800		mg/kg	8.81	3.08	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Chromium, Total	12.8		mg/kg	0.881	0.085	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Cobalt, Total	3.42		mg/kg	1.76	0.146	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Copper, Total	14.7		mg/kg	0.881	0.227	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Iron, Total	8120		mg/kg	4.41	0.796	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Lead, Total	83.9		mg/kg	4.41	0.236	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Magnesium, Total	13200		mg/kg	8.81	1.36	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Manganese, Total	205		mg/kg	0.881	0.140	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Mercury, Total	0.09		mg/kg	0.07	0.02	1	03/14/18 07:30	03/14/18 20:16	EPA 7471B	1,7471B	EA
Nickel, Total	7.98		mg/kg	2.20	0.213	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Potassium, Total	534		mg/kg	220	12.7	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	1.76	0.227	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.881	0.249	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Sodium, Total	170	J	mg/kg	176	2.78	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.76	0.278	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Vanadium, Total	15.1		mg/kg	0.881	0.179	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
Zinc, Total	73.2		mg/kg	4.41	0.258	2	03/14/18 21:32	03/15/18 15:22	EPA 3050B	1,6010C	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12	J	mg/kg	0.90	0.90	1		03/15/18 15:36	NA	107,-	

Project Name: 300 WEST 122ND ST.
Lab Number: L1808297
Project Number: 170500202
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11
Client ID: WC02_COMP_5-10
Sample Location: NEW YORK, NY
Date Collected: 03/08/18 11:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%
TCLP/SPLP Ext. Date: 03/12/18 07:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	03/15/18 14:26	03/15/18 20:05	EPA 3015	1,6010C	AB
Barium, TCLP	0.311	J	mg/l	0.500	0.021	1	03/15/18 14:26	03/15/18 20:05	EPA 3015	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/15/18 14:26	03/15/18 20:05	EPA 3015	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	03/15/18 14:26	03/15/18 20:05	EPA 3015	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	03/15/18 14:26	03/15/18 20:05	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/15/18 11:22	03/15/18 21:44	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/15/18 14:26	03/15/18 20:05	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/15/18 14:26	03/15/18 20:05	EPA 3015	1,6010C	AB

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11 Date Collected: 03/08/18 11:15

Client ID: WC02_COMP_5-10 Date Received: 03/09/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5590		mg/kg	8.96	2.42	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Antimony, Total	0.403	J	mg/kg	4.48	0.340	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Arsenic, Total	4.92		mg/kg	0.896	0.186	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Barium, Total	50.7		mg/kg	0.896	0.156	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Beryllium, Total	0.143	J	mg/kg	0.448	0.030	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Cadmium, Total	1.61		mg/kg	0.896	0.088	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Calcium, Total	32800		mg/kg	8.96	3.14	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Chromium, Total	14.5		mg/kg	0.896	0.086	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Cobalt, Total	3.29		mg/kg	1.79	0.149	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Copper, Total	23.7		mg/kg	0.896	0.231	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Iron, Total	24300		mg/kg	4.48	0.809	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Lead, Total	145		mg/kg	4.48	0.240	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Magnesium, Total	3490		mg/kg	8.96	1.38	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Manganese, Total	211		mg/kg	0.896	0.142	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Mercury, Total	0.08		mg/kg	0.07	0.02	1	03/14/18 07:30	03/14/18 20:18	EPA 7471B	1,7471B	EA
Nickel, Total	6.50		mg/kg	2.24	0.217	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Potassium, Total	572		mg/kg	224	12.9	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Selenium, Total	0.672	J	mg/kg	1.79	0.231	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.896	0.254	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Sodium, Total	455		mg/kg	179	2.82	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.79	0.282	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Vanadium, Total	7.25		mg/kg	0.896	0.182	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
Zinc, Total	775		mg/kg	4.48	0.263	2	03/14/18 21:32	03/15/18 15:27	EPA 3050B	1,6010C	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	14	J	mg/kg	0.92	0.92	1		03/15/18 15:36	NA	107,-	

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-12
Client ID: WC02_COMP_10-16
Sample Location: NEW YORK, NY
Sample Depth:
Matrix: Soil
Percent Solids: 92%

Date Collected: 03/08/18 11:20
Date Received: 03/09/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 03/12/18 07:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	03/15/18 14:26	03/15/18 20:10	EPA 3015	1,6010C	AB
Barium, TCLP	0.629		mg/l	0.500	0.021	1	03/15/18 14:26	03/15/18 20:10	EPA 3015	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/15/18 14:26	03/15/18 20:10	EPA 3015	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	03/15/18 14:26	03/15/18 20:10	EPA 3015	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	03/15/18 14:26	03/15/18 20:10	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/15/18 11:22	03/15/18 21:46	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/15/18 14:26	03/15/18 20:10	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/15/18 14:26	03/15/18 20:10	EPA 3015	1,6010C	AB

Project Name: 300 WEST 122ND ST.
Lab Number: L1808297
Project Number: 170500202
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-12
Client ID: WC02_COMP_10-16
Sample Location: NEW YORK, NY
Date Collected: 03/08/18 11:20
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3940		mg/kg	8.57	2.31	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.29	0.326	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Arsenic, Total	1.12		mg/kg	0.857	0.178	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Barium, Total	41.4		mg/kg	0.857	0.149	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Beryllium, Total	0.171	J	mg/kg	0.429	0.028	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Cadmium, Total	0.326	J	mg/kg	0.857	0.084	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Calcium, Total	2620		mg/kg	8.57	3.00	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Chromium, Total	9.96		mg/kg	0.857	0.082	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Cobalt, Total	3.88		mg/kg	1.71	0.142	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Copper, Total	14.6		mg/kg	0.857	0.221	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Iron, Total	8500		mg/kg	4.29	0.774	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Lead, Total	13.3		mg/kg	4.29	0.230	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Magnesium, Total	1900		mg/kg	8.57	1.32	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Manganese, Total	271		mg/kg	0.857	0.136	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Mercury, Total	0.03	J	mg/kg	0.07	0.01	1	03/14/18 07:30	03/14/18 20:20	EPA 7471B	1,7471B	EA
Nickel, Total	9.41		mg/kg	2.14	0.207	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Potassium, Total	889		mg/kg	214	12.3	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Selenium, Total	0.472	J	mg/kg	1.71	0.221	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.857	0.243	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Sodium, Total	90.8	J	mg/kg	171	2.70	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.71	0.270	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Vanadium, Total	13.2		mg/kg	0.857	0.174	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
Zinc, Total	19.6		mg/kg	4.29	0.251	2	03/14/18 21:32	03/15/18 15:31	EPA 3050B	1,6010C	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	10		mg/kg	0.87	0.87	1		03/15/18 15:37	NA	107,-	

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07-12 Batch: WG1096792-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/14/18 07:30	03/14/18 19:56	1,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07-12 Batch: WG1097103-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Barium, Total	ND		mg/kg	0.400	0.070	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Copper, Total	ND		mg/kg	0.400	0.103	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Iron, Total	0.928	J	mg/kg	2.00	0.361	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Lead, Total	ND		mg/kg	2.00	0.107	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Potassium, Total	ND		mg/kg	100	5.76	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Silver, Total	ND		mg/kg	0.400	0.113	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Sodium, Total	ND		mg/kg	80.0	1.26	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/14/18 21:32	03/15/18 13:39	1,6010C	PS

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808297

Project Number: 170500202 **Report Date:** 03/21/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 07-12 Batch: WG1097350-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/15/18 11:22	03/15/18 21:23	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 03/12/18 07:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 07-12 Batch: WG1097411-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	03/15/18 14:26	03/15/18 17:44	1,6010C	AB
Barium, TCLP	0.021	J	mg/l	0.500	0.021	1	03/15/18 14:26	03/15/18 17:44	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/15/18 14:26	03/15/18 17:44	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	03/15/18 14:26	03/15/18 17:44	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	03/15/18 14:26	03/15/18 17:44	1,6010C	AB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/15/18 14:26	03/15/18 17:44	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/15/18 14:26	03/15/18 17:44	1,6010C	AB

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 03/12/18 07:41

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-12 Batch: WG1096792-2 SRM Lot Number: D098-540								
Mercury, Total	133		-		50-149	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-12 Batch: WG1097103-2 SRM Lot Number: D098-540					
Aluminum, Total	68	-	47-153	-	
Antimony, Total	135	-	6-194	-	
Arsenic, Total	85	-	83-117	-	
Barium, Total	88	-	82-118	-	
Beryllium, Total	83	-	83-117	-	
Cadmium, Total	86	-	82-117	-	
Calcium, Total	87	-	81-118	-	
Chromium, Total	84	-	83-119	-	
Cobalt, Total	88	-	84-116	-	
Copper, Total	88	-	84-116	-	
Iron, Total	83	-	60-140	-	
Lead, Total	83	-	82-117	-	
Magnesium, Total	79	-	76-124	-	
Manganese, Total	85	-	82-118	-	
Nickel, Total	86	-	82-117	-	
Potassium, Total	78	-	69-131	-	
Selenium, Total	87	-	78-121	-	
Silver, Total	88	-	80-120	-	
Sodium, Total	85	-	74-126	-	
Thallium, Total	85	-	80-119	-	
Vanadium, Total	83	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-12 Batch: WG1097103-2 SRM Lot Number: D098-540					
Zinc, Total	83	-	81-119	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07-12 Batch: WG1097350-2					
Mercury, TCLP	90	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07-12 Batch: WG1097411-2					
Arsenic, TCLP	99	-	75-125	-	20
Barium, TCLP	88	-	75-125	-	20
Cadmium, TCLP	95	-	75-125	-	20
Chromium, TCLP	94	-	75-125	-	20
Lead, TCLP	95	-	75-125	-	20
Selenium, TCLP	97	-	75-125	-	20
Silver, TCLP	91	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-12 QC Batch ID: WG1096792-3 QC Sample: L1808346-01 Client ID: MS Sample												
Mercury, Total	ND	0.139	0.18	**129**	Q	-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-12 QC Batch ID: WG1097103-3 WG1097103-4 QC Sample: L1808252-03 Client ID: MS Sample												
Aluminum, Total	3300	185	4170	**470**	Q	3640	**184**	Q	75-125	14		20
Antimony, Total	ND	46.3	42.5	92		41.9	91		75-125	1		20
Arsenic, Total	2.31	11.1	13.0	96		12.7	94		75-125	2		20
Barium, Total	10.4	185	185	94		184	94		75-125	1		20
Beryllium, Total	0.056J	4.63	4.37	94		4.32	94		75-125	1		20
Cadmium, Total	0.204J	4.72	4.75	101		4.58	97		75-125	4		20
Calcium, Total	316.	926	1330	110		1250	101		75-125	6		20
Chromium, Total	5.87	18.5	24.3	100		23.9	98		75-125	2		20
Cobalt, Total	1.88	46.3	43.6	90		41.9	87		75-125	4		20
Copper, Total	10.4	23.1	34.3	103		32.8	97		75-125	4		20
Iron, Total	5850	92.6	6330	**518**	Q	5840	**0**	Q	75-125	8		20
Lead, Total	3.54J	47.2	47.2	100		45.4	96		75-125	4		20
Magnesium, Total	948.	926	2070	121		1910	104		75-125	8		20
Manganese, Total	41.8	46.3	113	**154**	Q	90.5	106		75-125	**22**	Q	20
Nickel, Total	4.31	46.3	46.8	92		44.3	87		75-125	5		20
Potassium, Total	289.	926	1220	100		1170	96		75-125	4		20
Selenium, Total	ND	11.1	11.0	99		10.7	97		75-125	3		20
Silver, Total	ND	27.8	29.6	107		29.4	106		75-125	1		20
Sodium, Total	23.4J	926	909	98		904	98		75-125	1		20
Thallium, Total	ND	11.1	9.80	88		9.42	85		75-125	4		20
Vanadium, Total	10.2	46.3	55.3	97		55.3	98		75-125	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-12 QC Batch ID: WG1097103-3 WG1097103-4 QC Sample: L1808252-03 Client ID: MS Sample									
Zinc, Total	12.6	46.3	58.7	100	54.1	90	75-125	8	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07-12 QC Batch ID: WG1097350-3 QC Sample: L1808163-01 Client ID: MS Sample									
Mercury, TCLP	ND	0.025	0.0242	97	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07-12 QC Batch ID: WG1097411-3 QC Sample: L1808163-01 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.19	99	-	-	75-125	-	20
Barium, TCLP	0.590	20	18.3	88	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.500	98	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.88	94	-	-	75-125	-	20
Lead, TCLP	ND	5.1	4.83	95	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.18	98	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.459	92	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-12 QC Batch ID: WG1096792-4 QC Sample: L1808346-01 Client ID: DUP Sample						
Mercury, Total	ND	0.09	mg/kg	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07-12 QC Batch ID: WG1097350-4 QC Sample: L1808163-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07-12 QC Batch ID: WG1097411-4 QC Sample: L1808163-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.590	0.562	mg/l	5		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-07
Client ID: WC01_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 16:50
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/14/18 22:00	1,1030	TL

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-08
Client ID: WC01_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:00
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/14/18 22:00	1,1030	TL

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-09
Client ID: WC01_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/14/18 22:00	1,1030	TL

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10
Client ID: WC02_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/14/18 22:00	1,1030	TL

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11
Client ID: WC02_COMP_5-10
Sample Location: NEW YORK, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/08/18 11:15
Date Received: 03/09/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/14/18 22:00	1,1030	TL

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-12
Client ID: WC02_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:20
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/14/18 22:00	1,1030	TL

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-01
Client ID: WC01_GRAB_LB05_1-3
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	03/10/18 13:43	121,2540G	RI

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-02
Client ID: WC01_GRAB_LB10_6-8
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:45
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.6		%	0.100	NA	1	-	03/10/18 13:43	121,2540G	RI

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-03
Client ID: WC01_GRAB_LB03_10-12
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 13:00
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.3		%	0.100	NA	1	-	03/10/18 13:43	121,2540G	RI

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-04
Client ID: WC02_GRAB_LB04_0-2
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 09:20
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	03/10/18 13:43	121,2540G	RI

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-05
Client ID: WC02_GRAB_LB07_8-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 10:42
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	03/10/18 13:43	121,2540G	RI

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-06
Client ID: WC02_GRAB_LB02_13-15
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 10:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	03/10/18 13:43	121,2540G	RI

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-07
Client ID: WC01_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 16:50
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	03/10/18 13:43	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	03/14/18 15:40	03/15/18 09:53	1,9010C/9012B	LH
pH (H)	10.4		SU	-	NA	1	-	03/10/18 05:37	1,9045D	UN
Chromium, Hexavalent	ND		mg/kg	0.94	0.19	1	03/15/18 07:40	03/15/18 15:35	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/14/18 03:10	03/14/18 04:30	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/14/18 03:10	03/14/18 04:58	125,7.3	JD

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-08
Client ID: WC01_COMP_5-10
Sample Location: NEW YORK, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/08/18 17:00
Date Received: 03/09/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	03/10/18 13:43	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	03/14/18 15:40	03/15/18 09:58	1,9010C/9012B	LH
pH (H)	9.3		SU	-	NA	1	-	03/10/18 05:37	1,9045D	UN
Chromium, Hexavalent	ND		mg/kg	0.94	0.19	1	03/15/18 07:40	03/15/18 15:35	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/14/18 03:10	03/14/18 04:30	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/14/18 03:10	03/14/18 04:59	125,7.3	JD

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-09
Client ID: WC01_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 17:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.8		%	0.100	NA	1	-	03/10/18 13:43	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	03/14/18 15:40	03/15/18 09:59	1,9010C/9012B	LH
pH (H)	9.6		SU	-	NA	1	-	03/10/18 05:37	1,9045D	UN
Chromium, Hexavalent	ND		mg/kg	0.86	0.17	1	03/15/18 07:40	03/15/18 15:36	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/15/18 03:05	03/15/18 04:36	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/15/18 03:05	03/15/18 04:46	125,7.3	JD

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-10
Client ID: WC02_COMP_0-5
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:10
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	03/10/18 13:43	121,2540G	RI
Cyanide, Total	0.30	J	mg/kg	1.1	0.23	1	03/14/18 15:40	03/15/18 10:00	1,9010C/9012B	LH
pH (H)	11.7		SU	-	NA	1	-	03/10/18 05:37	1,9045D	UN
Chromium, Hexavalent	0.45	J	mg/kg	0.90	0.18	1	03/15/18 07:40	03/15/18 15:36	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/15/18 03:05	03/15/18 04:36	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/15/18 03:05	03/15/18 04:46	125,7.3	JD

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-11
Client ID: WC02_COMP_5-10
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:15
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.3		%	0.100	NA	1	-	03/10/18 13:43	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	03/14/18 15:40	03/15/18 10:01	1,9010C/9012B	LH
pH (H)	11.7		SU	-	NA	1	-	03/10/18 05:37	1,9045D	UN
Chromium, Hexavalent	0.45	J	mg/kg	0.92	0.18	1	03/15/18 07:40	03/15/18 15:36	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/15/18 03:05	03/15/18 04:37	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/15/18 03:05	03/15/18 04:46	125,7.3	JD

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

SAMPLE RESULTS

Lab ID: L1808297-12
Client ID: WC02_COMP_10-16
Sample Location: NEW YORK, NY

Date Collected: 03/08/18 11:20
Date Received: 03/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	03/10/18 13:43	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	03/14/18 15:40	03/15/18 10:02	1,9010C/9012B	LH
pH (H)	10.2		SU	-	NA	1	-	03/10/18 05:37	1,9045D	UN
Chromium, Hexavalent	ND		mg/kg	0.87	0.17	1	03/15/18 07:40	03/15/18 15:37	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/15/18 03:05	03/15/18 04:37	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/15/18 03:05	03/15/18 04:46	125,7.3	JD

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808297
Report Date: 03/21/18

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): 07-08 Batch: WG1096773-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/14/18 03:10	03/14/18 04:57	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 07-08 Batch: WG1096774-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/14/18 03:10	03/14/18 04:29	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 07-12 Batch: WG1096999-1										
Cyanide, Total	ND		mg/kg	0.94	0.20	1	03/14/18 15:40	03/15/18 09:49	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 09-12 Batch: WG1097187-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/15/18 03:05	03/15/18 04:45	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 09-12 Batch: WG1097190-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/15/18 03:05	03/15/18 04:36	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 07-12 Batch: WG1097246-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	03/15/18 07:40	03/15/18 15:31	1,7196A	NH

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808297

Report Date: 03/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07-12 Batch: WG1096163-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 07-08 Batch: WG1096773-2								
Sulfide, Reactive	96		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 07-08 Batch: WG1096774-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 07-12 Batch: WG1096999-2 WG1096999-3								
Cyanide, Total	**62**	Q	**70**	Q	80-120	17		35
General Chemistry - Westborough Lab Associated sample(s): 09-12 Batch: WG1097187-2								
Sulfide, Reactive	103		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 09-12 Batch: WG1097190-2								
Cyanide, Reactive	79		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 07-12 Batch: WG1097246-2								
Chromium, Hexavalent	91		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

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): 07-12 QC Batch ID: WG1096999-4 WG1096999-5 QC Sample: L1808297-07 Client ID: WC01_COMP_0-5												
Cyanide, Total	ND	12	11	96		11	96		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 07-12 QC Batch ID: WG1097246-4 QC Sample: L1808297-11 Client ID: WC02_COMP_5-10												
Chromium, Hexavalent	0.45J	981	960	98		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07-12 QC Batch ID: WG1096163-2 QC Sample: L1808173-01 Client ID: DUP Sample						
pH	8.2	8.2	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1096218-1 QC Sample: L1808291-01 Client ID: DUP Sample						
Solids, Total	88.7	89.3	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG1096773-3 QC Sample: L1808571-09 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG1096774-3 QC Sample: L1808571-09 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 09-12 QC Batch ID: WG1097187-3 QC Sample: L1808297-09 Client ID: WC01_COMP_10-16						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 09-12 QC Batch ID: WG1097190-3 QC Sample: L1808297-09 Client ID: WC01_COMP_10-16						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 07-12 QC Batch ID: WG1097246-6 QC Sample: L1808297-11 Client ID: WC02_COMP_5-10						
Chromium, Hexavalent	0.45J	0.32J	mg/kg	NC		20

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1808297-01A	Vial MeOH preserved	B	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L1808297-01B	Vial water preserved	B	NA		2.1	Y	Absent	10-MAR-18 05:43	NYTCL-8260HLW(14)
L1808297-01C	Vial water preserved	B	NA		2.1	Y	Absent	10-MAR-18 05:43	NYTCL-8260HLW(14)
L1808297-01D	Plastic 2oz unpreserved for TS	B	NA		2.1	Y	Absent		TS(7)
L1808297-01E	Vial Large Septa unpreserved (4oz)	B	NA		2.1	Y	Absent		TCLP-EXT-ZHE(14)
L1808297-01F	Glass 120ml/4oz unpreserved	B	NA		2.1	Y	Absent		NJEPH-TPH-CAT1(14)
L1808297-01S	Vial unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-VOA(14)
L1808297-01T	Vial unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-VOA(14)
L1808297-02A	Vial MeOH preserved	B	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L1808297-02B	Vial water preserved	B	NA		2.1	Y	Absent	10-MAR-18 05:43	NYTCL-8260HLW(14)
L1808297-02C	Vial water preserved	B	NA		2.1	Y	Absent	10-MAR-18 05:43	NYTCL-8260HLW(14)
L1808297-02D	Plastic 2oz unpreserved for TS	B	NA		2.1	Y	Absent		TS(7)
L1808297-02E	Vial Large Septa unpreserved (4oz)	B	NA		2.1	Y	Absent		TCLP-EXT-ZHE(14)
L1808297-02F	Glass 120ml/4oz unpreserved	B	NA		2.1	Y	Absent		NJEPH-TPH-CAT1(14)
L1808297-02S	Vial unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-VOA(14)
L1808297-02T	Vial unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-VOA(14)
L1808297-03A	Vial MeOH preserved	B	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L1808297-03B	Vial water preserved	B	NA		2.1	Y	Absent	10-MAR-18 05:45	NYTCL-8260HLW(14)
L1808297-03C	Vial water preserved	B	NA		2.1	Y	Absent	10-MAR-18 05:45	NYTCL-8260HLW(14)
L1808297-03D	Plastic 2oz unpreserved for TS	B	NA		2.1	Y	Absent		TS(7)
L1808297-03E	Vial Large Septa unpreserved (4oz)	B	NA		2.1	Y	Absent		TCLP-EXT-ZHE(14)
L1808297-03F	Glass 120ml/4oz unpreserved	B	NA		2.1	Y	Absent		NJEPH-TPH-CAT1(14)
L1808297-03S	Vial unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-VOA(14)

*Values in parentheses indicate holding time in days

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1808297-03T	Vial unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-VOA(14)
L1808297-04A	Vial MeOH preserved	B	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L1808297-04B	Vial water preserved	B	NA		2.1	Y	Absent	10-MAR-18 05:45	NYTCL-8260HLW(14)
L1808297-04C	Vial water preserved	B	NA		2.1	Y	Absent	10-MAR-18 05:45	NYTCL-8260HLW(14)
L1808297-04D	Plastic 2oz unpreserved for TS	B	NA		2.1	Y	Absent		TS(7)
L1808297-04E	Vial Large Septa unpreserved (4oz)	B	NA		2.1	Y	Absent		TCLP-EXT-ZHE(14)
L1808297-04F	Glass 120ml/4oz unpreserved	B	NA		2.1	Y	Absent		NJEPH-TPH-CAT1(14)
L1808297-04S	Vial unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-VOA(14)
L1808297-04T	Vial unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-VOA(14)
L1808297-05A	Vial MeOH preserved	B	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L1808297-05B	Vial water preserved	B	NA		2.1	Y	Absent	10-MAR-18 05:45	NYTCL-8260HLW(14)
L1808297-05C	Vial water preserved	B	NA		2.1	Y	Absent	10-MAR-18 05:45	NYTCL-8260HLW(14)
L1808297-05D	Plastic 2oz unpreserved for TS	B	NA		2.1	Y	Absent		TS(7)
L1808297-05E	Vial Large Septa unpreserved (4oz)	B	NA		2.1	Y	Absent		TCLP-EXT-ZHE(14)
L1808297-05F	Glass 120ml/4oz unpreserved	B	NA		2.1	Y	Absent		NJEPH-TPH-CAT1(14)
L1808297-05S	Vial unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-VOA(14)
L1808297-05T	Vial unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-VOA(14)
L1808297-06A	Vial MeOH preserved	B	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L1808297-06B	Vial water preserved	B	NA		2.1	Y	Absent	10-MAR-18 05:45	NYTCL-8260HLW(14)
L1808297-06C	Vial water preserved	B	NA		2.1	Y	Absent	10-MAR-18 05:45	NYTCL-8260HLW(14)
L1808297-06D	Plastic 2oz unpreserved for TS	B	NA		2.1	Y	Absent		TS(7)
L1808297-06E	Vial Large Septa unpreserved (4oz)	B	NA		2.1	Y	Absent		TCLP-EXT-ZHE(14)
L1808297-06F	Glass 120ml/4oz unpreserved	B	NA		2.1	Y	Absent		NJEPH-TPH-CAT1(14)
L1808297-06S	Vial unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-VOA(14)
L1808297-06T	Vial unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-VOA(14)
L1808297-07A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1808297-07B	Glass 120ml/4oz unpreserved	B	NA		2.1	Y	Absent		HEXCR-7196(30)
L1808297-07C	Glass 250ml/8oz unpreserved	B	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808297-07D	Glass 500ml/16oz unpreserved	B	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808297-07W	Amber 1000ml unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1808297-07X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1808297-07X9	Tumble Vessel	B	NA		2.1	Y	Absent		-
L1808297-08A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1808297-08B	Glass 120ml/4oz unpreserved	B	NA		2.1	Y	Absent		HEXCR-7196(30)
L1808297-08C	Glass 250ml/8oz unpreserved	B	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808297-08D	Glass 500ml/16oz unpreserved	B	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808297-08W	Amber 1000ml unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1808297-08X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1808297-08X9	Tumble Vessel	B	NA		2.1	Y	Absent		-
L1808297-09A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1808297-09B	Glass 120ml/4oz unpreserved	B	NA		2.1	Y	Absent		HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808297
Report Date: 03/21/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1808297-09C	Glass 250ml/8oz unpreserved	B	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808297-09D	Glass 500ml/16oz unpreserved	B	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808297-09W	Amber 1000ml unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1808297-09X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1808297-09X9	Tumble Vessel	B	NA		2.1	Y	Absent		-
L1808297-10A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1808297-10B	Glass 120ml/4oz unpreserved	B	NA		2.1	Y	Absent		HEXCR-7196(30)
L1808297-10C	Glass 250ml/8oz unpreserved	B	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808297-10D	Glass 500ml/16oz unpreserved	B	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808297-10W	Amber 1000ml unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1808297-10X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1808297-10X9	Tumble Vessel	B	NA		2.1	Y	Absent		-
L1808297-11A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1808297-11B	Glass 120ml/4oz unpreserved	B	NA		2.1	Y	Absent		HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1808297-11C	Glass 250ml/8oz unpreserved	B	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808297-11D	Glass 500ml/16oz unpreserved	B	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808297-11W	Amber 1000ml unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1808297-11X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1808297-11X9	Tumble Vessel	B	NA		2.1	Y	Absent		-
L1808297-12A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1808297-12B	Glass 120ml/4oz unpreserved	B	NA		2.1	Y	Absent		HEXCR-7196(30)
L1808297-12C	Glass 250ml/8oz unpreserved	B	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808297-12D	Glass 500ml/16oz unpreserved	B	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808297-12W	Amber 1000ml unpreserved Extracts	B	NA		2.1	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1808297-12X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1808297-12X9	Tumble Vessel	B	NA		2.1	Y	Absent		-
L1808297-13A	Vial HCl preserved	B	NA		2.1	Y	Absent		NYTCL-8260(14)
L1808297-13B	Vial HCl preserved	B	NA		2.1	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1808297
Project Number:	170500202	**Report Date:**	03/21/18

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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
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

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

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.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1808297
Project Number:	170500202	**Report Date:**	03/21/18

Data Qualifiers

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.

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:	300 WEST 122ND ST.	**Lab Number:**	L1808297
Project Number:	170500202	**Report Date:**	03/21/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

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

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
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.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, 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, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

WASTE CHARACTERIZATION - SOIL

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab

ALPHA Job #

Project Information
Project Name: 200 WEST 122ND ST.
Project Location: NEW YORK, NY
Project # 17CS0202
(Use Project name as Project #) ☐
Project Manager: GREG WYKA
ALPHAQuote #:

Turn Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Client Information
Client: LANDAU, PC
Address:
Phone:
Fax:
Email: GWYKA@LANDAU.COM

☐ These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	TCL PCBs	TAL Metals (Hg, Cr6, CN)	TCL Pesticides	TCL Herbicides	TAL Metals (Hg, Cr6, CN) Filtered	TCLP Metals	Sample Specific Comments
	WC01_GRAB_SB05_1-3	3/8/18	1110	SOIL		X	X	X						2) TCLP 3) TCLP 4) RUSH
	WC01_GRAB_SB10_6-8	3/8/18	1145	SOIL		X	X	X						
	WC01_GRAB_SB03_10-12	3/8/18	1500	SOIL		X	X	X						
	WC02_GRAB_SB04_0-2	3/8/18	920	SOIL		X	X	X						
	WC02_GRAB_SB07_8-10	3/8/18	1012	SOIL		X	X	X						
	WC01_GRAB_SB02_13-15	3/8/18	1015	SOIL		X	X	X						
	WC01_COMP_0-5	3/8/18	1050	SOIL					X	X	X	X	X	1) TCLP 1) SB07 1) SB02 1) PCB
	WC01_COMP_5-10	3/8/18	1502	SOIL					X	X	X	X	X	
	WC01_COMP_10-16	3/8/18	715	SOIL					X	X	X	X	X	
	WC02_COMP_0-5	3/8/18	1110	SOIL					X	X	X	X	X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	3/9/18 1545	DON DAAL	3/9/18 1545
DON DAAL	3/9/18		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

WASTE CHARACTERIZATION - SOIL

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 3/9/18

ALPHA Job #: L1808297

Client Information
Client: LANGAN, DPC
Address:
Phone:
Fax:
Email: GWYKA@langan.com

Project Information
Project Name: 300 WEST 122ND ST.
Project Location: NEW YORK, NY
Project #: 170502202
(Use Project name as Project #)
Project Manager: GREG WYKA
ALPHAQuote #:

Turn-Around Time
Standard: X
Rush (only if pre approved):
Due Date:
# of Days:

Deliverables
ASP-A / ASP-B / EQuIS (1 File) / EQuIS (4 File) / Other

Billing Information
X Same as Client Info
PO #

Regulatory Requirement
NY TOGS / NY Part 375 / AWQ Standards / NY CP-51 / NY Restricted Use / Other / X NY Unrestricted Use / NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility: NJ / NY / Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration: Done / Lab to do
Preservation: Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	TCL Pesticides	TAL Metals (Hg, Cr(VI), Be, Cyanide)	TAL Metals (Target List)	Sample Specific Comments
08297-01	WC01-GRAB-1-3	3/8/18	1110	SOIL		X	X	X			(2) 4oz. (3) 8oz. (1) 8oz.
-02	WC01-GRAB-6-8	3/8/18	1115	SOIL		X	X	X			
-03	WC01-GRAB-10-12	3/8/18	1300	SOIL		X	X	X			
-04	WC02-GRAB-0-2	3/8/18	920	SOIL		X	X	X			
-05	WC02-GRAB-8-10	3/8/18	1042	SOIL		X	X	X			
-06	WC01-GRAB-13-15	3/8/18	1015	SOIL		X	X	X			
-07	WC01-COMP-0-5	3/8/18	1050	SOIL				X	X	X	X	X	(1) 2oz. (1) 4oz. (1) 4oz. (1) 8oz.
-08	WC01-COMP-5-10	3/8/18	1700	SOIL				X	X	X	X	X	
-09	WC01-COMP-10-16	3/8/18	1715	SOIL				X	X	X	X	X	
-10	WC02-COMP-0-5	3/8/18	1110	SOIL				X	X	X	X	X	

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	3/9/18 1545	DON D AAL	3/9/18 1545
	3/9/18 1820		3/9/18 1820
			3/9/18 2345

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

WASTE CHARACTERIZATION - SOIL

NEW YORK CHAIN OF CUSTODY

Page 2 of 2

Date Rec'd in Lab: 3/9/18

ALPHA Job #: L1808397

ALPHA Analytical
Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Client Information
Client: WANBOW, INC
Address:
Phone:
Fax:
Email: [illegible]

Project Information
Project Name: 300 WEST 122ND ST.
Project Location: NEW YORK, NY
Project #: 170500202
(Use Project name as Project #): ☐
Project Manager: [illegible] WYKA
ALPHAQuote #:

Turn-Around Time
Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total # Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	TCL PESTICIDES	PCBs	TAL METALS (INCLUDE HEXAVALENT CHROMIUM, MERCURY, CYANIDE)	TCLP METALS	REACTIVITY, IGNITABILITY, CORROSIVITY	Sample Specific Comments	Total # Bottles
L8297-11	WC02-COMP-5-10	3/8/18	1115	SOIL	[illegible]	X	X	X	X	X	X	X	(1) VOC, (1) SVOC, (1) METALS, (1) TCLP	4
-12	WC02-COMP-10-16	3/8/18	1120	SOIL	[illegible]	X	X	X	X	X	X	X		
-13	SB-TB01-030818	3/9/18	—	AQ.	[illegible]	X								

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

	Container Type								
	Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	3/9/18 1345	[illegible]	3/9/18 1345
[illegible]	3/9/18 1420	[illegible]	3/9/18 1420
[illegible]	3/9/18 2345		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1808531
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	300 WEST 122ND ST.
Project Number:	170500202
Report Date:	03/20/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1808531-01	WC03_GRAB_LB12_13-15	SOIL	NEW YORK, NY	03/12/18 11:05	03/13/18
L1808531-02	WC04_GRAB_LB08_14-16	SOIL	NEW YORK, NY	03/12/18 09:50	03/13/18
L1808531-03	WC03_COMP_13-16	SOIL	NEW YORK, NY	03/12/18 12:15	03/13/18
L1808531-04	WC04_COMP_13-16	SOIL	NEW YORK, NY	03/12/18 10:30	03/13/18
L1808531-05	WC_GRAB_DUP01	SOIL	NEW YORK, NY	03/12/18 00:00	03/13/18
L1808531-06	WC_COMP_DUP01	SOIL	NEW YORK, NY	03/12/18 00:00	03/13/18
L1808531-07	WC_TB02_031218	WATER	NEW YORK, NY	03/12/18 00:00	03/13/18
L1808531-08	WC_FB01_031218	WATER	NEW YORK, NY	03/12/18 17:15	03/13/18

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1808531
Project Number:	170500202	**Report Date:**	03/20/18

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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:	300 WEST 122ND ST.	**Lab Number:**	L1808531
Project Number:	170500202	**Report Date:**	03/20/18

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

L1808531-08: The sample collection time was obtained from the container labels.

L1808531-08: At the client's request, the following analyses were not performed: TCLP Volatiles, TCLP Semivolatiles, TCLP Pesticides, TCLP Herbicides, TCLP Metals, Ignitability, pH, and Reactivity.

Semivolatile Organics

L1808531-03: 2-fluorophenol (10%) and 2,4,6-tribromophenol (0%)

L1808531-03RE: 2-fluorophenol (6%) and 2,4,6-tribromophenol (2%)

L1808531-04: 2-fluorophenol (5%) and 2,4,6-tribromophenol (0%)

L1808531-04RE: 2-fluorophenol (20%) and 2,4,6-tribromophenol (7%)

L1808531-06: 2-fluorophenol (6%) and 2,4,6-tribromophenol (0%)

L1808531-06RE: 2-fluorophenol (9%) and 2,4,6-tribromophenol (2%)

Total Metals

L1808531-03, -04, and -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Cyanide, Total

The WG1097385-2/-3 LCS/LCSD recoveries (67%/67%), associated with L1808531-03,-04, and -06, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

Hexavalent Chromium

L1808531-08 was analyzed with the method required holding time exceeded.

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1808531
Project Number:	170500202	**Report Date:**	03/20/18

Case Narrative (continued)

The WG1097559-6 Laboratory Duplicate RPD (29%), performed on L1808531-04, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

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: Kelly Stenstrom

Title: Technical Director/Representative Date: 03/20/18

ORGANICS

VOLATILES

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-01
Client ID: WC03_GRAB_LB12_13-15
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 11:05
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/18 17:49
Analyst: MM
Percent Solids: 87%
TCLP/SPLP Ext. Date: 03/15/18 13:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
dibromofluoromethane	99		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-01
Client ID: WC03_GRAB_LB12_13-15
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 11:05
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/16/18 11:48
Analyst: MKS
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	700	120	1
1,1-Dichloroethane	ND		ug/kg	100	19.	1
Chloroform	ND		ug/kg	100	26.	1
Carbon tetrachloride	ND		ug/kg	70	24.	1
1,2-Dichloropropane	ND		ug/kg	240	16.	1
Dibromochloromethane	ND		ug/kg	70	12.	1
1,1,2-Trichloroethane	ND		ug/kg	100	22.	1
Tetrachloroethene	ND		ug/kg	70	21.	1
Chlorobenzene	ND		ug/kg	70	24.	1
Trichlorofluoromethane	ND		ug/kg	350	29.	1
1,2-Dichloroethane	ND		ug/kg	70	17.	1
1,1,1-Trichloroethane	ND		ug/kg	70	24.	1
Bromodichloromethane	ND		ug/kg	70	22.	1
trans-1,3-Dichloropropene	ND		ug/kg	70	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	70	16.	1
1,3-Dichloropropene, Total	ND		ug/kg	70	14.	1
1,1-Dichloropropene	ND		ug/kg	350	23.	1
Bromoform	ND		ug/kg	280	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	70	21.	1
Benzene	86		ug/kg	70	13.	1
Toluene	350		ug/kg	100	14.	1
Ethylbenzene	49	J	ug/kg	70	12.	1
Chloromethane	ND		ug/kg	350	30.	1
Bromomethane	52	J	ug/kg	140	24.	1
Vinyl chloride	ND		ug/kg	140	22.	1
Chloroethane	ND		ug/kg	140	22.	1
1,1-Dichloroethene	ND		ug/kg	70	26.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	17.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-01 Date Collected: 03/12/18 11:05

Client ID: WC03_GRAB_LB12_13-15 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	70	21.	1
1,2-Dichlorobenzene	ND		ug/kg	350	13.	1
1,3-Dichlorobenzene	ND		ug/kg	350	15.	1
1,4-Dichlorobenzene	ND		ug/kg	350	13.	1
Methyl tert butyl ether	ND		ug/kg	140	11.	1
p/m-Xylene	240		ug/kg	140	24.	1
o-Xylene	54	J	ug/kg	140	24.	1
Xylenes, Total	290	J	ug/kg	140	24.	1
cis-1,2-Dichloroethene	ND		ug/kg	70	24.	1
Dibromomethane	ND		ug/kg	700	17.	1
Styrene	ND		ug/kg	140	28.	1
Dichlorodifluoromethane	ND		ug/kg	700	35.	1
Acetone	ND		ug/kg	700	160	1
Carbon disulfide	ND		ug/kg	700	77.	1
2-Butanone	ND		ug/kg	700	48.	1
Vinyl acetate	ND		ug/kg	700	11.	1
4-Methyl-2-pentanone	ND		ug/kg	700	17.	1
1,2,3-Trichloropropane	ND		ug/kg	700	12.	1
2-Hexanone	ND		ug/kg	700	46.	1
Bromochloromethane	ND		ug/kg	350	25.	1
2,2-Dichloropropane	ND		ug/kg	350	31.	1
1,2-Dibromoethane	ND		ug/kg	280	14.	1
1,3-Dichloropropane	ND		ug/kg	350	13.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	70	22.	1
Bromobenzene	ND		ug/kg	350	15.	1
n-Butylbenzene	ND		ug/kg	70	16.	1
sec-Butylbenzene	ND		ug/kg	70	15.	1
tert-Butylbenzene	ND		ug/kg	350	17.	1
o-Chlorotoluene	ND		ug/kg	350	15.	1
p-Chlorotoluene	ND		ug/kg	350	13.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	350	28.	1
Hexachlorobutadiene	ND		ug/kg	350	24.	1
Isopropylbenzene	ND		ug/kg	70	14.	1
p-Isopropyltoluene	ND		ug/kg	70	14.	1
Naphthalene	1100		ug/kg	350	9.6	1
Acrylonitrile	ND		ug/kg	700	36.	1
Tert-Butyl Alcohol	ND		ug/kg	4200	200	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-01 Date Collected: 03/12/18 11:05

Client ID: WC03_GRAB_LB12_13-15 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	26	J	ug/kg	70	15.	1
1,2,3-Trichlorobenzene	ND		ug/kg	350	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	350	15.	1
1,3,5-Trimethylbenzene	28	J	ug/kg	350	11.	1
1,2,4-Trimethylbenzene	110	J	ug/kg	350	13.	1
Methyl Acetate	1700		ug/kg	1400	32.	1
Acrolein	ND		ug/kg	1700	560	1
Cyclohexane	ND		ug/kg	1400	30.	1
1,4-Dioxane	ND		ug/kg	2800	1000	1
Freon-113	ND		ug/kg	1400	36.	1
p-Diethylbenzene	ND		ug/kg	280	280	1
p-Ethyltoluene	78	J	ug/kg	280	16.	1
1,2,4,5-Tetramethylbenzene	15	J	ug/kg	280	11.	1
Ethyl ether	ND		ug/kg	350	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	350	27.	1
Methyl cyclohexane	45	J	ug/kg	280	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	80		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	86		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-02
Client ID: WC04_GRAB_LB08_14-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 09:50
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/18 18:13
Analyst: MM
Percent Solids: 96%
TCLP/SPLP Ext. Date: 03/15/18 13:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
dibromofluoromethane	101		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-02
Client ID: WC04_GRAB_LB08_14-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 09:50
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/16/18 12:14
Analyst: MKS
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.30	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.38	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	0.55	J	ug/kg	5.6	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.39	1
Bromodichloromethane	ND		ug/kg	1.1	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.26	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.23	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.36	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.33	1
Benzene	0.33	J	ug/kg	1.1	0.21	1
Toluene	0.40	J	ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.19	1
Chloromethane	ND		ug/kg	5.6	0.48	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.35	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.41	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.27	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-02 Date Collected: 03/12/18 09:50

Client ID: WC04_GRAB_LB08_14-16 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.1	0.34	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.17	1
p/m-Xylene	ND		ug/kg	2.2	0.39	1
o-Xylene	ND		ug/kg	2.2	0.38	1
Xylenes, Total	ND		ug/kg	2.2	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.38	1
Dibromomethane	ND		ug/kg	11	0.27	1
Styrene	ND		ug/kg	2.2	0.45	1
Dichlorodifluoromethane	ND		ug/kg	11	0.56	1
Acetone	5.2	J	ug/kg	11	2.6	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.77	1
Vinyl acetate	ND		ug/kg	11	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.20	1
2-Hexanone	ND		ug/kg	11	0.74	1
Bromochloromethane	ND		ug/kg	5.6	0.40	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.50	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.22	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.6	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.25	1
sec-Butylbenzene	ND		ug/kg	1.1	0.24	1
tert-Butylbenzene	ND		ug/kg	5.6	0.28	1
o-Chlorotoluene	ND		ug/kg	5.6	0.25	1
p-Chlorotoluene	ND		ug/kg	5.6	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.39	1
Isopropylbenzene	ND		ug/kg	1.1	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.22	1
Naphthalene	ND		ug/kg	5.6	0.15	1
Acrylonitrile	ND		ug/kg	11	0.57	1
Tert-Butyl Alcohol	ND		ug/kg	67	3.3	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-02 Date Collected: 03/12/18 09:50

Client ID: WC04_GRAB_LB08_14-16 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.21	1
Methyl Acetate	ND		ug/kg	22	0.52	1
Acrolein	ND		ug/kg	28	9.0	1
Cyclohexane	ND		ug/kg	22	0.48	1
1,4-Dioxane	ND		ug/kg	44	16.	1
Freon-113	ND		ug/kg	22	0.57	1
p-Diethylbenzene	ND		ug/kg	4.4	4.4	1
p-Ethyltoluene	ND		ug/kg	4.4	0.26	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.17	1
Ethyl ether	ND		ug/kg	5.6	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	0.44	1
Methyl cyclohexane	ND		ug/kg	4.4	0.27	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	92		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-05
Client ID: WC_GRAB_DUP01
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/18 18:39
Analyst: MM
Percent Solids: 91%
TCLP/SPLP Ext. Date: 03/15/18 13:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
dibromofluoromethane	102		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-05
Client ID: WC_GRAB_DUP01
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/18 12:25
Analyst: MV
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	660	110	1
1,1-Dichloroethane	ND		ug/kg	99	18.	1
Chloroform	ND		ug/kg	99	24.	1
Carbon tetrachloride	ND		ug/kg	66	23.	1
1,2-Dichloropropane	ND		ug/kg	230	15.	1
Dibromochloromethane	ND		ug/kg	66	12.	1
1,1,2-Trichloroethane	ND		ug/kg	99	21.	1
Tetrachloroethene	ND		ug/kg	66	20.	1
Chlorobenzene	ND		ug/kg	66	23.	1
Trichlorofluoromethane	ND		ug/kg	330	28.	1
1,2-Dichloroethane	ND		ug/kg	66	16.	1
1,1,1-Trichloroethane	ND		ug/kg	66	23.	1
Bromodichloromethane	ND		ug/kg	66	20.	1
trans-1,3-Dichloropropene	ND		ug/kg	66	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	66	15.	1
1,3-Dichloropropene, Total	ND		ug/kg	66	14.	1
1,1-Dichloropropene	ND		ug/kg	330	22.	1
Bromoform	ND		ug/kg	260	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	66	20.	1
Benzene	87		ug/kg	66	13.	1
Toluene	480		ug/kg	99	13.	1
Ethylbenzene	110		ug/kg	66	11.	1
Chloromethane	67	J	ug/kg	330	29.	1
Bromomethane	55	J	ug/kg	130	22.	1
Vinyl chloride	ND		ug/kg	130	21.	1
Chloroethane	ND		ug/kg	130	21.	1
1,1-Dichloroethene	ND		ug/kg	66	24.	1
trans-1,2-Dichloroethene	ND		ug/kg	99	16.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-05 Date Collected: 03/12/18 00:00

Client ID: WC_GRAB_DUP01 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	66	20.	1
1,2-Dichlorobenzene	ND		ug/kg	330	12.	1
1,3-Dichlorobenzene	ND		ug/kg	330	14.	1
1,4-Dichlorobenzene	ND		ug/kg	330	12.	1
Methyl tert butyl ether	ND		ug/kg	130	10.	1
p/m-Xylene	480		ug/kg	130	23.	1
o-Xylene	140		ug/kg	130	22.	1
Xylenes, Total	620		ug/kg	130	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	66	22.	1
Dibromomethane	ND		ug/kg	660	16.	1
Styrene	ND		ug/kg	130	26.	1
Dichlorodifluoromethane	ND		ug/kg	660	33.	1
Acetone	ND		ug/kg	660	150	1
Carbon disulfide	ND		ug/kg	660	72.	1
2-Butanone	ND		ug/kg	660	46.	1
Vinyl acetate	ND		ug/kg	660	10.	1
4-Methyl-2-pentanone	ND		ug/kg	660	16.	1
1,2,3-Trichloropropane	ND		ug/kg	660	12.	1
2-Hexanone	ND		ug/kg	660	44.	1
Bromochloromethane	ND		ug/kg	330	24.	1
2,2-Dichloropropane	ND		ug/kg	330	30.	1
1,2-Dibromoethane	ND		ug/kg	260	13.	1
1,3-Dichloropropane	ND		ug/kg	330	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	66	21.	1
Bromobenzene	ND		ug/kg	330	14.	1
n-Butylbenzene	36	J	ug/kg	66	15.	1
sec-Butylbenzene	18	J	ug/kg	66	14.	1
tert-Butylbenzene	ND		ug/kg	330	16.	1
o-Chlorotoluene	ND		ug/kg	330	14.	1
p-Chlorotoluene	ND		ug/kg	330	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	330	26.	1
Hexachlorobutadiene	ND		ug/kg	330	23.	1
Isopropylbenzene	ND		ug/kg	66	13.	1
p-Isopropyltoluene	ND		ug/kg	66	13.	1
Naphthalene	170	J	ug/kg	330	9.1	1
Acrylonitrile	ND		ug/kg	660	34.	1
Tert-Butyl Alcohol	ND		ug/kg	4000	190	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-05 Date Collected: 03/12/18 00:00

Client ID: WC_GRAB_DUP01 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	66	14.	1
1,2,3-Trichlorobenzene	ND		ug/kg	330	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	330	14.	1
1,3,5-Trimethylbenzene	110	J	ug/kg	330	11.	1
1,2,4-Trimethylbenzene	450		ug/kg	330	12.	1
Methyl Acetate	15000		ug/kg	1300	30.	1
Acrolein	ND		ug/kg	1600	530	1
Cyclohexane	ND		ug/kg	1300	28.	1
1,4-Dioxane	ND		ug/kg	2600	950	1
Freon-113	ND		ug/kg	1300	34.	1
p-Diethylbenzene	ND		ug/kg	260	260	1
p-Ethyltoluene	240	J	ug/kg	260	15.	1
1,2,4,5-Tetramethylbenzene	64	J	ug/kg	260	10.	1
Ethyl ether	ND		ug/kg	330	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	330	26.	1
Methyl cyclohexane	37	J	ug/kg	260	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	90		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-07
Client ID: WC_TB02_031218
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/14/18 22:09
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
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	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
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	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
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-07 Date Collected: 03/12/18 00:00

Client ID: WC_TB02_031218 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Tert-Butyl Alcohol	ND		ug/l	10	1.4	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Acrolein	ND		ug/l	5.0	0.44	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	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
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-07 Date Collected: 03/12/18 00:00

Client ID: WC_TB02_031218 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	88		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-08
Client ID: WC_FB01_031218
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 17:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/14/18 22:34
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
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	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
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	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
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-08 Date Collected: 03/12/18 17:15

Client ID: WC_FB01_031218 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Tert-Butyl Alcohol	ND		ug/l	10	1.4	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Acrolein	ND		ug/l	5.0	0.44	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	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
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-08 Date Collected: 03/12/18 17:15

Client ID: WC_FB01_031218 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	88		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/14/18 20:28
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1097316-5					
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
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
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	0.17
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	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/14/18 20:28
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1097316-5					
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	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
Tert-Butyl Alcohol	ND		ug/l	10	1.4
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	0.44
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
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

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/14/18 20:28
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1097316-5					
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
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/14/18 20:28
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1097316-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	87		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/16/18 09:58
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1097866-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	0.99	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/16/18 09:58
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1097866-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22
p-Chlorotoluene	ND		ug/kg	5.0	0.18

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/16/18 09:58
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1097866-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
Methyl Acetate	ND		ug/kg	20	0.46
Acrolein	ND		ug/kg	25	8.0
Cyclohexane	ND		ug/kg	20	0.43
1,4-Dioxane	ND		ug/kg	40	14.
Freon-113	ND		ug/kg	20	0.51
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
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	0.24

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/16/18 09:58
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1097866-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	89		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/16/18 09:58
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1097867-5					
Methylene chloride	ND		ug/kg	500	82.
1,1-Dichloroethane	ND		ug/kg	75	14.
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	17.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	8.8
1,1,2-Trichloroethane	ND		ug/kg	75	16.
Tetrachloroethene	ND		ug/kg	50	15.
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	21.
1,2-Dichloroethane	ND		ug/kg	50	12.
1,1,1-Trichloroethane	ND		ug/kg	50	18.
Bromodichloromethane	ND		ug/kg	50	15.
trans-1,3-Dichloropropene	ND		ug/kg	50	10.
cis-1,3-Dichloropropene	ND		ug/kg	50	12.
1,3-Dichloropropene, Total	ND		ug/kg	50	10.
1,1-Dichloropropene	ND		ug/kg	250	16.
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	15.
Benzene	ND		ug/kg	50	9.6
Toluene	ND		ug/kg	75	9.8
Ethylbenzene	ND		ug/kg	50	8.5
Chloromethane	ND		ug/kg	250	22.
Bromomethane	49	J	ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	16.
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	19.
trans-1,2-Dichloroethene	ND		ug/kg	75	12.
Trichloroethene	ND		ug/kg	50	15.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/16/18 09:58
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1097867-5					
1,2-Dichlorobenzene	ND		ug/kg	250	9.1
1,3-Dichlorobenzene	ND		ug/kg	250	11.
1,4-Dichlorobenzene	ND		ug/kg	250	9.1
Methyl tert butyl ether	ND		ug/kg	100	7.6
p/m-Xylene	ND		ug/kg	100	18.
o-Xylene	ND		ug/kg	100	17.
Xylenes, Total	ND		ug/kg	100	17.
cis-1,2-Dichloroethene	ND		ug/kg	50	17.
Dibromomethane	ND		ug/kg	500	12.
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	25.
Acetone	ND		ug/kg	500	110
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	34.
Vinyl acetate	ND		ug/kg	500	7.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.8
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	18.
2,2-Dichloropropane	ND		ug/kg	250	22.
1,2-Dibromoethane	ND		ug/kg	200	10.
1,3-Dichloropropane	ND		ug/kg	250	9.2
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	11.
n-Butylbenzene	ND		ug/kg	50	11.
sec-Butylbenzene	ND		ug/kg	50	11.
tert-Butylbenzene	ND		ug/kg	250	12.
o-Chlorotoluene	ND		ug/kg	250	11.
p-Chlorotoluene	ND		ug/kg	250	9.2

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/16/18 09:58
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1097867-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	17.
Isopropylbenzene	ND		ug/kg	50	9.7
p-Isopropyltoluene	ND		ug/kg	50	10.
Naphthalene	ND		ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
Tert-Butyl Alcohol	ND		ug/kg	3000	150
n-Propylbenzene	ND		ug/kg	50	11.
1,2,3-Trichlorobenzene	ND		ug/kg	250	12.
1,2,4-Trichlorobenzene	ND		ug/kg	250	11.
1,3,5-Trimethylbenzene	ND		ug/kg	250	8.0
1,2,4-Trimethylbenzene	ND		ug/kg	250	9.3
Methyl Acetate	ND		ug/kg	1000	23.
Acrolein	ND		ug/kg	1200	400
Cyclohexane	ND		ug/kg	1000	22.
1,4-Dioxane	ND		ug/kg	2000	720
Freon-113	ND		ug/kg	1000	26.
p-Diethylbenzene	ND		ug/kg	200	200
p-Ethyltoluene	ND		ug/kg	200	12.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	7.8
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	20.
Methyl cyclohexane	ND		ug/kg	200	12.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/16/18 09:58
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1097867-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	90		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/18 08:32
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG1098397-5					
Methylene chloride	ND		ug/kg	500	82.
1,1-Dichloroethane	ND		ug/kg	75	14.
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	17.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	8.8
1,1,2-Trichloroethane	ND		ug/kg	75	16.
Tetrachloroethene	ND		ug/kg	50	15.
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	21.
1,2-Dichloroethane	ND		ug/kg	50	12.
1,1,1-Trichloroethane	ND		ug/kg	50	18.
Bromodichloromethane	ND		ug/kg	50	15.
trans-1,3-Dichloropropene	ND		ug/kg	50	10.
cis-1,3-Dichloropropene	ND		ug/kg	50	12.
1,3-Dichloropropene, Total	ND		ug/kg	50	10.
1,1-Dichloropropene	ND		ug/kg	250	16.
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	15.
Benzene	ND		ug/kg	50	9.6
Toluene	ND		ug/kg	75	9.8
Ethylbenzene	ND		ug/kg	50	8.5
Chloromethane	ND		ug/kg	250	22.
Bromomethane	60	J	ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	16.
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	19.
trans-1,2-Dichloroethene	ND		ug/kg	75	12.
Trichloroethene	ND		ug/kg	50	15.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/18 08:32
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG1098397-5					
1,2-Dichlorobenzene	ND		ug/kg	250	9.1
1,3-Dichlorobenzene	ND		ug/kg	250	11.
1,4-Dichlorobenzene	ND		ug/kg	250	9.1
Methyl tert butyl ether	ND		ug/kg	100	7.6
p/m-Xylene	ND		ug/kg	100	18.
o-Xylene	ND		ug/kg	100	17.
Xylenes, Total	ND		ug/kg	100	17.
cis-1,2-Dichloroethene	ND		ug/kg	50	17.
Dibromomethane	ND		ug/kg	500	12.
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	25.
Acetone	ND		ug/kg	500	110
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	34.
Vinyl acetate	ND		ug/kg	500	7.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.8
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	18.
2,2-Dichloropropane	ND		ug/kg	250	22.
1,2-Dibromoethane	ND		ug/kg	200	10.
1,3-Dichloropropane	ND		ug/kg	250	9.2
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	11.
n-Butylbenzene	ND		ug/kg	50	11.
sec-Butylbenzene	ND		ug/kg	50	11.
tert-Butylbenzene	ND		ug/kg	250	12.
o-Chlorotoluene	ND		ug/kg	250	11.
p-Chlorotoluene	ND		ug/kg	250	9.2

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/18 08:32
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG1098397-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	17.
Isopropylbenzene	ND		ug/kg	50	9.7
p-Isopropyltoluene	ND		ug/kg	50	10.
Naphthalene	13	J	ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
Tert-Butyl Alcohol	ND		ug/kg	3000	150
n-Propylbenzene	ND		ug/kg	50	11.
1,2,3-Trichlorobenzene	ND		ug/kg	250	12.
1,2,4-Trichlorobenzene	ND		ug/kg	250	11.
1,3,5-Trimethylbenzene	ND		ug/kg	250	8.0
1,2,4-Trimethylbenzene	17	J	ug/kg	250	9.3
Methyl Acetate	ND		ug/kg	1000	23.
Acrolein	ND		ug/kg	1200	400
Cyclohexane	ND		ug/kg	1000	22.
1,4-Dioxane	ND		ug/kg	2000	720
Freon-113	ND		ug/kg	1000	26.
p-Diethylbenzene	ND		ug/kg	200	200
p-Ethyltoluene	12	J	ug/kg	200	12.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	7.8
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	20.
Methyl cyclohexane	ND		ug/kg	200	12.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/18 08:32
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG1098397-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	94		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/18 14:54
Analyst: AD
TCLP/SPLP Extraction Date: 03/15/18 13:46

Extraction Date: 03/15/18 13:46

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-02,05 Batch: WG1098641-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
dibromofluoromethane	104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1097316-3 WG1097316-4								
Methylene chloride	95		91		70-130	4		20
1,1-Dichloroethane	100		95		70-130	5		20
Chloroform	100		93		70-130	7		20
Carbon tetrachloride	79		72		63-132	9		20
1,2-Dichloropropane	100		98		70-130	2		20
Dibromochloromethane	74		73		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	74		**68**	Q	70-130	8		20
Chlorobenzene	90		86		75-130	5		20
Trichlorofluoromethane	81		74		62-150	9		20
1,2-Dichloroethane	88		87		70-130	1		20
1,1,1-Trichloroethane	87		82		67-130	6		20
Bromodichloromethane	93		89		67-130	4		20
trans-1,3-Dichloropropene	100		98		70-130	2		20
cis-1,3-Dichloropropene	98		96		70-130	2		20
1,1-Dichloropropene	100		96		70-130	4		20
Bromoform	69		69		54-136	0		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	100		97		70-130	3		20
Toluene	100		94		70-130	6		20
Ethylbenzene	100		96		70-130	4		20
Chloromethane	88		80		64-130	10		20
Bromomethane	57		52		39-139	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1097316-3 WG1097316-4								
Vinyl chloride	87		89		55-140	2		20
Chloroethane	67		64		55-138	5		20
1,1-Dichloroethene	85		79		61-145	7		20
trans-1,2-Dichloroethene	87		82		70-130	6		20
Trichloroethene	92		86		70-130	7		20
1,2-Dichlorobenzene	84		82		70-130	2		20
1,3-Dichlorobenzene	86		82		70-130	5		20
1,4-Dichlorobenzene	85		81		70-130	5		20
Methyl tert butyl ether	84		86		63-130	2		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	88		83		70-130	6		20
Dibromomethane	87		87		70-130	0		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Acrylonitrile	87		89		70-130	2		20
Tert-Butyl Alcohol	**66**	Q	70		70-130	6		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	84		78		36-147	7		20
Acetone	92		86		58-148	7		20
Carbon disulfide	96		88		51-130	9		20
2-Butanone	85		86		63-138	1		20
Vinyl acetate	80		80		70-130	0		20
4-Methyl-2-pentanone	83		86		59-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1097316-3 WG1097316-4								
2-Hexanone	70		72		57-130	3		20
Acrolein	**260**	Q	**280**	Q	40-160	7		20
Bromochloromethane	74		73		70-130	1		20
2,2-Dichloropropane	92		86		63-133	7		20
1,2-Dibromoethane	84		85		70-130	1		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	78		76		64-130	3		20
Bromobenzene	80		78		70-130	3		20
n-Butylbenzene	120		110		53-136	9		20
sec-Butylbenzene	110		97		70-130	13		20
tert-Butylbenzene	97		89		70-130	9		20
o-Chlorotoluene	110		100		70-130	10		20
p-Chlorotoluene	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	65		68		41-144	5		20
Hexachlorobutadiene	85		79		63-130	7		20
Isopropylbenzene	100		95		70-130	5		20
p-Isopropyltoluene	99		91		70-130	8		20
Naphthalene	73		79		70-130	8		20
n-Propylbenzene	120		110		69-130	9		20
1,2,3-Trichlorobenzene	76		80		70-130	5		20
1,2,4-Trichlorobenzene	77		77		70-130	0		20
1,3,5-Trimethylbenzene	100		95		64-130	5		20
1,2,4-Trimethylbenzene	100		96		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1097316-3 WG1097316-4								
Methyl Acetate	86		90		70-130	5		20
Cyclohexane	99		90		70-130	10		20
1,4-Dioxane	84		88		56-162	5		20
Freon-113	87		80		70-130	8		20
p-Diethylbenzene	97		90		70-130	7		20
p-Ethyltoluene	100		97		70-130	3		20
1,2,4,5-Tetramethylbenzene	93		88		70-130	6		20
Ethyl ether	78		76		59-134	3		20
trans-1,4-Dichloro-2-butene	81		82		70-130	1		20
Methyl cyclohexane	100		93		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		101		70-130
Toluene-d8	107		106		70-130
4-Bromofluorobenzene	117		118		70-130
Dibromofluoromethane	88		89		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1097866-3 WG1097866-4								
Methylene chloride	102		99		70-130	3		30
1,1-Dichloroethane	93		91		70-130	2		30
Chloroform	87		84		70-130	4		30
Carbon tetrachloride	81		78		70-130	4		30
1,2-Dichloropropane	105		102		70-130	3		30
Dibromochloromethane	81		81		70-130	0		30
1,1,2-Trichloroethane	104		100		70-130	4		30
Tetrachloroethene	97		94		70-130	3		30
Chlorobenzene	98		96		70-130	2		30
Trichlorofluoromethane	81		77		70-139	5		30
1,2-Dichloroethane	76		73		70-130	4		30
1,1,1-Trichloroethane	81		78		70-130	4		30
Bromodichloromethane	85		84		70-130	1		30
trans-1,3-Dichloropropene	80		78		70-130	3		30
cis-1,3-Dichloropropene	96		94		70-130	2		30
1,1-Dichloropropene	91		87		70-130	4		30
Bromoform	77		76		70-130	1		30
1,1,2,2-Tetrachloroethane	102		105		70-130	3		30
Benzene	102		98		70-130	4		30
Toluene	99		96		70-130	3		30
Ethylbenzene	95		92		70-130	3		30
Chloromethane	103		98		52-130	5		30
Bromomethane	91		89		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1097866-3 WG1097866-4								
Vinyl chloride	91		87		67-130	4		30
Chloroethane	84		80		50-151	5		30
1,1-Dichloroethene	102		96		65-135	6		30
trans-1,2-Dichloroethene	100		98		70-130	2		30
Trichloroethene	95		87		70-130	9		30
1,2-Dichlorobenzene	101		100		70-130	1		30
1,3-Dichlorobenzene	101		98		70-130	3		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		84		66-130	1		30
p/m-Xylene	103		102		70-130	1		30
o-Xylene	103		101		70-130	2		30
cis-1,2-Dichloroethene	99		97		70-130	2		30
Dibromomethane	95		91		70-130	4		30
Styrene	107		105		70-130	2		30
Dichlorodifluoromethane	74		72		30-146	3		30
Acetone	84		78		54-140	7		30
Carbon disulfide	104		99		59-130	5		30
2-Butanone	84		84		70-130	0		30
Vinyl acetate	94		93		70-130	1		30
4-Methyl-2-pentanone	84		85		70-130	1		30
1,2,3-Trichloropropane	87		87		68-130	0		30
2-Hexanone	74		76		70-130	3		30
Bromochloromethane	102		100		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1097866-3 WG1097866-4								
2,2-Dichloropropane	86		82		70-130	5		30
1,2-Dibromoethane	96		95		70-130	1		30
1,3-Dichloropropane	95		94		69-130	1		30
1,1,1,2-Tetrachloroethane	91		90		70-130	1		30
Bromobenzene	95		95		70-130	0		30
n-Butylbenzene	96		94		70-130	2		30
sec-Butylbenzene	97		95		70-130	2		30
tert-Butylbenzene	93		91		70-130	2		30
o-Chlorotoluene	91		90		70-130	1		30
p-Chlorotoluene	92		90		70-130	2		30
1,2-Dibromo-3-chloropropane	85		82		68-130	4		30
Hexachlorobutadiene	86		84		67-130	2		30
Isopropylbenzene	92		90		70-130	2		30
p-Isopropyltoluene	94		93		70-130	1		30
Naphthalene	92		93		70-130	1		30
Acrylonitrile	100		98		70-130	2		30
Tert-Butyl Alcohol	75		76		70-130	1		30
n-Propylbenzene	94		92		70-130	2		30
1,2,3-Trichlorobenzene	96		96		70-130	0		30
1,2,4-Trichlorobenzene	94		95		70-130	1		30
1,3,5-Trimethylbenzene	92		92		70-130	0		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	98		95		51-146	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1097866-3 WG1097866-4								
Acrolein	111		103		70-130	7		30
Cyclohexane	105		100		59-142	5		30
1,4-Dioxane	117		122		65-136	4		30
Freon-113	98		93		50-139	5		30
p-Diethylbenzene	96		94		70-130	2		30
p-Ethyltoluene	94		93		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		91		70-130	2		30
Ethyl ether	82		83		67-130	1		30
trans-1,4-Dichloro-2-butene	80		79		70-130	1		30
Methyl cyclohexane	102		100		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	78		78		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	91		91		70-130
Dibromofluoromethane	94		94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1097867-3 WG1097867-4								
Methylene chloride	102		99		70-130	3		30
1,1-Dichloroethane	93		91		70-130	2		30
Chloroform	87		84		70-130	4		30
Carbon tetrachloride	81		78		70-130	4		30
1,2-Dichloropropane	105		102		70-130	3		30
Dibromochloromethane	81		81		70-130	0		30
1,1,2-Trichloroethane	104		100		70-130	4		30
Tetrachloroethene	97		94		70-130	3		30
Chlorobenzene	98		96		70-130	2		30
Trichlorofluoromethane	81		77		70-139	5		30
1,2-Dichloroethane	76		73		70-130	4		30
1,1,1-Trichloroethane	81		78		70-130	4		30
Bromodichloromethane	85		84		70-130	1		30
trans-1,3-Dichloropropene	80		78		70-130	3		30
cis-1,3-Dichloropropene	96		94		70-130	2		30
1,1-Dichloropropene	91		87		70-130	4		30
Bromoform	77		76		70-130	1		30
1,1,2,2-Tetrachloroethane	102		105		70-130	3		30
Benzene	102		98		70-130	4		30
Toluene	99		96		70-130	3		30
Ethylbenzene	95		92		70-130	3		30
Chloromethane	103		98		52-130	5		30
Bromomethane	91		89		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1097867-3 WG1097867-4								
Vinyl chloride	91		87		67-130	4		30
Chloroethane	84		80		50-151	5		30
1,1-Dichloroethene	102		96		65-135	6		30
trans-1,2-Dichloroethene	100		98		70-130	2		30
Trichloroethene	95		87		70-130	9		30
1,2-Dichlorobenzene	101		100		70-130	1		30
1,3-Dichlorobenzene	101		98		70-130	3		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		84		66-130	1		30
p/m-Xylene	103		102		70-130	1		30
o-Xylene	103		101		70-130	2		30
cis-1,2-Dichloroethene	99		97		70-130	2		30
Dibromomethane	95		91		70-130	4		30
Styrene	107		105		70-130	2		30
Dichlorodifluoromethane	74		72		30-146	3		30
Acetone	84		78		54-140	7		30
Carbon disulfide	104		99		59-130	5		30
2-Butanone	84		84		70-130	0		30
Vinyl acetate	94		93		70-130	1		30
4-Methyl-2-pentanone	84		85		70-130	1		30
1,2,3-Trichloropropane	87		87		68-130	0		30
2-Hexanone	74		76		70-130	3		30
Bromochloromethane	102		100		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1097867-3 WG1097867-4								
2,2-Dichloropropane	86		82		70-130	5		30
1,2-Dibromoethane	96		95		70-130	1		30
1,3-Dichloropropane	95		94		69-130	1		30
1,1,1,2-Tetrachloroethane	91		90		70-130	1		30
Bromobenzene	95		95		70-130	0		30
n-Butylbenzene	96		94		70-130	2		30
sec-Butylbenzene	97		95		70-130	2		30
tert-Butylbenzene	93		91		70-130	2		30
o-Chlorotoluene	91		90		70-130	1		30
p-Chlorotoluene	92		90		70-130	2		30
1,2-Dibromo-3-chloropropane	85		82		68-130	4		30
Hexachlorobutadiene	86		84		67-130	2		30
Isopropylbenzene	92		90		70-130	2		30
p-Isopropyltoluene	94		93		70-130	1		30
Naphthalene	92		93		70-130	1		30
Acrylonitrile	100		98		70-130	2		30
Tert-Butyl Alcohol	75		76		70-130	1		30
n-Propylbenzene	94		92		70-130	2		30
1,2,3-Trichlorobenzene	96		96		70-130	0		30
1,2,4-Trichlorobenzene	94		95		70-130	1		30
1,3,5-Trimethylbenzene	92		92		70-130	0		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	98		95		51-146	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1097867-3 WG1097867-4								
Acrolein	111		103		70-130	7		30
Cyclohexane	105		100		59-142	5		30
1,4-Dioxane	117		122		65-136	4		30
Freon-113	98		93		50-139	5		30
p-Diethylbenzene	96		94		70-130	2		30
p-Ethyltoluene	94		93		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		91		70-130	2		30
Ethyl ether	82		83		67-130	1		30
trans-1,4-Dichloro-2-butene	80		79		70-130	1		30
Methyl cyclohexane	102		100		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	78		78		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	91		91		70-130
Dibromofluoromethane	94		94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG1098397-3 WG1098397-4								
Methylene chloride	88		80		70-130	10		30
1,1-Dichloroethane	91		82		70-130	10		30
Chloroform	97		89		70-130	9		30
Carbon tetrachloride	99		87		70-130	13		30
1,2-Dichloropropane	91		86		70-130	6		30
Dibromochloromethane	94		91		70-130	3		30
1,1,2-Trichloroethane	102		98		70-130	4		30
Tetrachloroethene	101		88		70-130	14		30
Chlorobenzene	96		87		70-130	10		30
Trichlorofluoromethane	109		94		70-139	15		30
1,2-Dichloroethane	93		89		70-130	4		30
1,1,1-Trichloroethane	99		88		70-130	12		30
Bromodichloromethane	97		90		70-130	7		30
trans-1,3-Dichloropropene	97		92		70-130	5		30
cis-1,3-Dichloropropene	95		89		70-130	7		30
1,1-Dichloropropene	100		87		70-130	14		30
Bromoform	98		96		70-130	2		30
1,1,2,2-Tetrachloroethane	99		100		70-130	1		30
Benzene	94		84		70-130	11		30
Toluene	96		86		70-130	11		30
Ethylbenzene	97		88		70-130	10		30
Chloromethane	79		66		52-130	18		30
Bromomethane	104		93		57-147	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG1098397-3 WG1098397-4								
Vinyl chloride	91		77		67-130	17		30
Chloroethane	104		91		50-151	13		30
1,1-Dichloroethene	102		88		65-135	15		30
trans-1,2-Dichloroethene	98		85		70-130	14		30
Trichloroethene	98		87		70-130	12		30
1,2-Dichlorobenzene	97		92		70-130	5		30
1,3-Dichlorobenzene	99		90		70-130	10		30
1,4-Dichlorobenzene	96		89		70-130	8		30
Methyl tert butyl ether	99		97		66-130	2		30
p/m-Xylene	98		88		70-130	11		30
o-Xylene	100		90		70-130	11		30
cis-1,2-Dichloroethene	100		91		70-130	9		30
Dibromomethane	96		92		70-130	4		30
Styrene	98		91		70-130	7		30
Dichlorodifluoromethane	92		78		30-146	16		30
Acetone	91		81		54-140	12		30
Carbon disulfide	93		80		59-130	15		30
2-Butanone	99		85		70-130	15		30
Vinyl acetate	87		83		70-130	5		30
4-Methyl-2-pentanone	91		93		70-130	2		30
1,2,3-Trichloropropane	96		99		68-130	3		30
2-Hexanone	89		84		70-130	6		30
Bromochloromethane	98		91		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG1098397-3 WG1098397-4								
2,2-Dichloropropane	102		89		70-130	14		30
1,2-Dibromoethane	95		92		70-130	3		30
1,3-Dichloropropane	100		96		69-130	4		30
1,1,1,2-Tetrachloroethane	98		90		70-130	9		30
Bromobenzene	98		91		70-130	7		30
n-Butylbenzene	101		92		70-130	9		30
sec-Butylbenzene	102		92		70-130	10		30
tert-Butylbenzene	101		91		70-130	10		30
o-Chlorotoluene	102		93		70-130	9		30
p-Chlorotoluene	97		90		70-130	7		30
1,2-Dibromo-3-chloropropane	92		93		68-130	1		30
Hexachlorobutadiene	96		86		67-130	11		30
Isopropylbenzene	102		92		70-130	10		30
p-Isopropyltoluene	103		93		70-130	10		30
Naphthalene	103		102		70-130	1		30
Acrylonitrile	84		91		70-130	8		30
Tert-Butyl Alcohol	98		98		70-130	0		30
n-Propylbenzene	101		90		70-130	12		30
1,2,3-Trichlorobenzene	100		96		70-130	4		30
1,2,4-Trichlorobenzene	103		98		70-130	5		30
1,3,5-Trimethylbenzene	100		91		70-130	9		30
1,2,4-Trimethylbenzene	104		94		70-130	10		30
Methyl Acetate	79		80		51-146	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG1098397-3 WG1098397-4								
Acrolein	**41**	Q	**44**	Q	70-130	7		30
Cyclohexane	94		82		59-142	14		30
1,4-Dioxane	110		92		65-136	18		30
Freon-113	106		94		50-139	12		30
p-Diethylbenzene	103		92		70-130	11		30
p-Ethyltoluene	102		92		70-130	10		30
1,2,4,5-Tetramethylbenzene	102		93		70-130	9		30
Ethyl ether	102		97		67-130	5		30
trans-1,4-Dichloro-2-butene	90		92		70-130	2		30
Methyl cyclohexane	100		88		70-130	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-02,05 Batch: WG1098641-3 WG1098641-4								
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		99		63-132	1		20
Tetrachloroethene	97		99		70-130	2		20
Chlorobenzene	110		110		75-130	0		25
1,2-Dichloroethane	100		99		70-130	1		20
Benzene	110		110		70-130	0		25
Vinyl chloride	99		95		55-140	4		20
1,1-Dichloroethene	97		92		61-145	5		25
Trichloroethene	110		110		70-130	0		25
1,4-Dichlorobenzene	110		100		70-130	10		20
2-Butanone	110		110		63-138	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		94		70-130
Toluene-d8	100		103		70-130
4-Bromofluorobenzene	102		100		70-130
dibromofluoromethane	102		98		70-130

SEMIVOLATILES

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03
Client ID: WC03_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 12:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/17/18 05:28
Analyst: KR
Percent Solids: 88%
TCLP/SPLP Ext. Date: 03/14/18 16:42

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 23:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	98		21-120
Phenol-d6	97		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	112		15-120
2,4,6-Tribromophenol	**124**	Q	10-120
4-Terphenyl-d14	116		33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03
Client ID: WC03_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 12:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/16/18 19:26
Analyst: SZ
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 03/15/18 08:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Benzidine	ND		ug/kg	620	200	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	420		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	81	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03 Date Collected: 03/12/18 12:15

Client ID: WC03_COMP_13-16 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	160		ug/kg	110	21.	1
Benzo(a)pyrene	170		ug/kg	150	46.	1
Benzo(b)fluoranthene	230		ug/kg	110	32.	1
Benzo(k)fluoranthene	86	J	ug/kg	110	30.	1
Chrysene	200		ug/kg	110	20.	1
Acenaphthylene	41	J	ug/kg	150	29.	1
Anthracene	48	J	ug/kg	110	37.	1
Benzo(ghi)perylene	120	J	ug/kg	150	22.	1
Fluorene	18	J	ug/kg	190	18.	1
Phenanthrene	360		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	27	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	130	J	ug/kg	150	26.	1
Pyrene	350		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	34	J	ug/kg	190	18.	1
2-Methylnaphthalene	70	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	28	J	ug/kg	190	23.	1
n-Nitrosodimethylamine	ND		ug/kg	380	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03 Date Collected: 03/12/18 12:15

Client ID: WC03_COMP_13-16 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	39	J	ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	51.	1
Caprolactam	ND		ug/kg	190	57.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**10**	Q	25-120
Phenol-d6	49		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	90		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03 RE
Client ID: WC03_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 12:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/20/18 03:03
Analyst: PS
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 18:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Benzidine	ND		ug/kg	620	200	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	510		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	60	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03 RE
Client ID: WC03_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 12:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	120	J	ug/kg	190	39.	1
Benzo(a)anthracene	190		ug/kg	110	21.	1
Benzo(a)pyrene	180		ug/kg	150	46.	1
Benzo(b)fluoranthene	260		ug/kg	110	32.	1
Benzo(k)fluoranthene	89	J	ug/kg	110	30.	1
Chrysene	220		ug/kg	110	20.	1
Acenaphthylene	69	J	ug/kg	150	29.	1
Anthracene	71	J	ug/kg	110	37.	1
Benzo(ghi)perylene	150		ug/kg	150	22.	1
Fluorene	24	J	ug/kg	190	18.	1
Phenanthrene	440		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	35	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	150		ug/kg	150	26.	1
Pyrene	420		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	39	J	ug/kg	190	18.	1
2-Methylnaphthalene	44	J	ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
n-Nitrosodimethylamine	ND		ug/kg	380	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03 RE
Client ID: WC03_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 12:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	53	J	ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	51.	1
Caprolactam	ND		ug/kg	190	57.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**6**	Q	25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	**2**	Q	10-136
4-Terphenyl-d14	79		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04
Client ID: WC04_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 10:30
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/17/18 04:35
Analyst: KR
Percent Solids: 87%
TCLP/SPLP Ext. Date: 03/14/18 16:42

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 23:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	71		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	87		33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04
Client ID: WC04_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 10:30
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/16/18 19:52
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/15/18 08:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Benzidine	ND		ug/kg	630	210	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	250		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	63	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	67	J	ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04 Date Collected: 03/12/18 10:30

Client ID: WC04_COMP_13-16 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	120		ug/kg	110	21.	1
Benzo(a)pyrene	110	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	150		ug/kg	110	32.	1
Benzo(k)fluoranthene	55	J	ug/kg	110	30.	1
Chrysene	140		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	47	J	ug/kg	110	37.	1
Benzo(ghi)perylene	72	J	ug/kg	150	22.	1
Fluorene	28	J	ug/kg	190	18.	1
Phenanthrene	200		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	76	J	ug/kg	150	26.	1
Pyrene	220		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	19	J	ug/kg	190	18.	1
2-Methylnaphthalene	56	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
n-Nitrosodimethylamine	ND		ug/kg	380	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	910	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04 Date Collected: 03/12/18 10:30

Client ID: WC04_COMP_13-16 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	18	J	ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	67.	1
Benzaldehyde	ND		ug/kg	250	51.	1
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**5**	Q	25-120
Phenol-d6	35		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	95		30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	85		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04 RE
Client ID: WC04_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 10:30
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/20/18 03:29
Analyst: PS
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 18:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	88	J	ug/kg	150	20.	1
Benzidine	ND		ug/kg	620	200	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	2300		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	120	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04 RE
Client ID: WC04_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 10:30
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	1600		ug/kg	110	21.	1
Benzo(a)pyrene	1300		ug/kg	150	46.	1
Benzo(b)fluoranthene	1800		ug/kg	110	32.	1
Benzo(k)fluoranthene	540		ug/kg	110	30.	1
Chrysene	1400		ug/kg	110	20.	1
Acenaphthylene	620		ug/kg	150	29.	1
Anthracene	650		ug/kg	110	37.	1
Benzo(ghi)perylene	890		ug/kg	150	22.	1
Fluorene	320		ug/kg	190	18.	1
Phenanthrene	1800		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	280		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	980		ug/kg	150	26.	1
Pyrene	2000		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	140	J	ug/kg	190	18.	1
2-Methylnaphthalene	110	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
n-Nitrosodimethylamine	ND		ug/kg	380	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04 RE
Client ID: WC04_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 10:30
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	130	J	ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	51.	1
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**20**	Q	25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	**7**	Q	10-136
4-Terphenyl-d14	71		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06
Client ID: WC_COMP_DUP01
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/17/18 05:01
Analyst: KR
Percent Solids: 86%
TCLP/SPLP Ext. Date: 03/14/18 16:42

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 23:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	73		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	98		33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06
Client ID: WC_COMP_DUP01
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/16/18 20:17
Analyst: SZ
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/15/18 08:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Benzidine	ND		ug/kg	630	210	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	200		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	68	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	71	J	ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06 Date Collected: 03/12/18 00:00

Client ID: WC_COMP_DUP01 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	94	J	ug/kg	120	22.	1
Benzo(a)pyrene	96	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	140		ug/kg	120	32.	1
Benzo(k)fluoranthene	43	J	ug/kg	120	31.	1
Chrysene	120		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	38	J	ug/kg	120	37.	1
Benzo(ghi)perylene	69	J	ug/kg	150	22.	1
Fluorene	21	J	ug/kg	190	19.	1
Phenanthrene	160		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	67	J	ug/kg	150	27.	1
Pyrene	180		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	66	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	27	J	ug/kg	190	24.	1
n-Nitrosodimethylamine	ND		ug/kg	380	37.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06 Date Collected: 03/12/18 00:00

Client ID: WC_COMP_DUP01 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
Atrazine	ND		ug/kg	150	67.	1
Benzaldehyde	ND		ug/kg	250	52.	1
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**6**	Q	25-120
Phenol-d6	38		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	84		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06 RE
Client ID: WC_COMP_DUP01
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/20/18 03:54
Analyst: PS
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 18:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Benzidine	ND		ug/kg	620	200	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	310		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	46	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	110	J	ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06 RE
Client ID: WC_COMP_DUP01
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	200		ug/kg	190	39.	1
Benzo(a)anthracene	190		ug/kg	110	21.	1
Benzo(a)pyrene	170		ug/kg	150	46.	1
Benzo(b)fluoranthene	250		ug/kg	110	32.	1
Benzo(k)fluoranthene	88	J	ug/kg	110	30.	1
Chrysene	200		ug/kg	110	19.	1
Acenaphthylene	59	J	ug/kg	150	29.	1
Anthracene	42	J	ug/kg	110	36.	1
Benzo(ghi)perylene	150		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	150		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	36	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	160		ug/kg	150	26.	1
Pyrene	330		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	39	J	ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	26	J	ug/kg	190	23.	1
n-Nitrosodimethylamine	ND		ug/kg	370	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06 RE
Client ID: WC_COMP_DUP01
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	19	J	ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	50.	1
Caprolactam	ND		ug/kg	190	57.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**9**	Q	25-120
Phenol-d6	43		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	**2**	Q	10-136
4-Terphenyl-d14	77		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-08
Client ID: WC_FB01_031218
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 17:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/15/18 17:21
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 01:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.59	1
Benzidine	ND		ug/l	20	8.1	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Hexachlorobenzene	ND		ug/l	2.0	0.58	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
2-Chloronaphthalene	ND		ug/l	2.0	0.64	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
Azobenzene	ND		ug/l	2.0	0.75	1
Fluoranthene	ND		ug/l	2.0	0.57	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorobutadiene	ND		ug/l	2.0	0.72	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Hexachloroethane	ND		ug/l	2.0	0.68	1
Isophorone	ND		ug/l	5.0	0.60	1
Naphthalene	ND		ug/l	2.0	0.68	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-08 Date Collected: 03/12/18 17:15

Client ID: WC_FB01_031218 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Benzo(a)anthracene	ND		ug/l	2.0	0.61	1
Benzo(a)pyrene	ND		ug/l	2.0	0.54	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60	1
Chrysene	ND		ug/l	2.0	0.54	1
Acenaphthylene	ND		ug/l	2.0	0.66	1
Anthracene	ND		ug/l	2.0	0.64	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.61	1
Fluorene	ND		ug/l	2.0	0.62	1
Phenanthrene	ND		ug/l	2.0	0.61	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71	1
Pyrene	ND		ug/l	2.0	0.57	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
2-Methylnaphthalene	ND		ug/l	2.0	0.72	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
n-Nitrosodimethylamine	ND		ug/l	2.0	0.67	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Pentachlorophenol	ND		ug/l	10	3.4	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-08 Date Collected: 03/12/18 17:15

Client ID: WC_FB01_031218 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	105		41-149

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/14/18 22:13
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/14/18 08:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1096842-1					
Acenaphthene	ND		ug/l	2.0	0.59
Benzidine	ND		ug/l	20	8.1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66
Hexachlorobenzene	ND		ug/l	2.0	0.58
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
2-Chloronaphthalene	ND		ug/l	2.0	0.64
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
Azobenzene	ND		ug/l	2.0	0.75
Fluoranthene	ND		ug/l	2.0	0.57
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorobutadiene	ND		ug/l	2.0	0.72
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Hexachloroethane	ND		ug/l	2.0	0.68
Isophorone	ND		ug/l	5.0	0.60
Naphthalene	ND		ug/l	2.0	0.68
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/14/18 22:13
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/14/18 08:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1096842-1					
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63
Dimethyl phthalate	ND		ug/l	5.0	0.65
Benzo(a)anthracene	ND		ug/l	2.0	0.61
Benzo(a)pyrene	ND		ug/l	2.0	0.54
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60
Chrysene	ND		ug/l	2.0	0.54
Acenaphthylene	ND		ug/l	2.0	0.66
Anthracene	ND		ug/l	2.0	0.64
Benzo(ghi)perylene	ND		ug/l	2.0	0.61
Fluorene	ND		ug/l	2.0	0.62
Phenanthrene	ND		ug/l	2.0	0.61
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71
Pyrene	ND		ug/l	2.0	0.57
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
2-Methylnaphthalene	ND		ug/l	2.0	0.72
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
n-Nitrosodimethylamine	ND		ug/l	2.0	0.67
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/14/18 22:13
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/14/18 08:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1096842-1					
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Pentachlorophenol	ND		ug/l	10	3.4
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Benzoic Acid	ND		ug/l	50	13.
Benzyl Alcohol	ND		ug/l	2.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Atrazine	ND		ug/l	10	1.8
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	3.6
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93

Tentatively Identified Compounds

Total TIC Compounds	5.11	J	ug/l
Aldol Condensates	5.11	J	ug/l

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/14/18 22:13
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/14/18 08:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1096842-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	139		41-149

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/16/18 11:46
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 03/15/18 08:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,06 Batch: WG1097272-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	550	180
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	28.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Azobenzene	ND		ug/kg	170	16.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	57.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	32.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/16/18 11:46
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 03/15/18 08:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,06 Batch: WG1097272-1					
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
n-Nitrosodimethylamine	ND		ug/kg	330	32.
2,4,6-Trichlorophenol	ND		ug/kg	100	32.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/16/18 11:46
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 03/15/18 08:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,06 Batch: WG1097272-1					
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	170	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	34.

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/16/18 11:46
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 03/15/18 08:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,06 Batch: WG1097272-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	94		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/17/18 01:03
Analyst: KR
TCLP/SPLP Extraction Date: 03/14/18 16:42

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 23:16

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 04,06 Batch: WG1097568-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	104		21-120
Phenol-d6	102		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	112		15-120
2,4,6-Tribromophenol	**138**	Q	10-120
4-Terphenyl-d14	**125**	Q	33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/16/18 10:00
Analyst: CB
TCLP/SPLP Extraction Date: 03/14/18 16:42

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 23:23

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 03 Batch: WG1097569-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		21-120
Phenol-d6	85		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	97		15-120
2,4,6-Tribromophenol	113		10-120
4-Terphenyl-d14	111		33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/20/18 00:31
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/19/18 16:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,06 Batch: WG1098510-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	540	180
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Azobenzene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/20/18 00:31
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/19/18 16:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,06 Batch: WG1098510-1					
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
n-Nitrosodimethylamine	ND		ug/kg	330	31.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/20/18 00:31
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/19/18 16:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,06 Batch: WG1098510-1					
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Tentatively Identified Compounds			
Total TIC Compounds	282	J	ug/kg
Unknown	282	J	ug/kg

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/20/18 00:31
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/19/18 16:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,06 Batch: WG1098510-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	87		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1096842-2 WG1096842-3								
Acenaphthene	84		90		37-111	7		30
Benzidine	34		25		10-75	**31**	Q	30
1,2,4-Trichlorobenzene	78		85		39-98	9		30
Hexachlorobenzene	92		98		40-140	6		30
Bis(2-chloroethyl)ether	74		79		40-140	7		30
2-Chloronaphthalene	89		94		40-140	5		30
1,2-Dichlorobenzene	74		79		40-140	7		30
1,3-Dichlorobenzene	73		77		40-140	5		30
1,4-Dichlorobenzene	72		76		36-97	5		30
3,3'-Dichlorobenzidine	58		65		40-140	11		30
2,4-Dinitrotoluene	92		99		48-143	7		30
2,6-Dinitrotoluene	93		102		40-140	9		30
Azobenzene	92		100		40-140	8		30
Fluoranthene	90		96		40-140	6		30
4-Chlorophenyl phenyl ether	88		96		40-140	9		30
4-Bromophenyl phenyl ether	90		98		40-140	9		30
Bis(2-chloroisopropyl)ether	63		67		40-140	6		30
Bis(2-chloroethoxy)methane	80		86		40-140	7		30
Hexachlorobutadiene	84		91		40-140	8		30
Hexachlorocyclopentadiene	74		82		40-140	10		30
Hexachloroethane	74		80		40-140	8		30
Isophorone	82		88		40-140	7		30
Naphthalene	82		87		40-140	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1096842-2 WG1096842-3								
Nitrobenzene	83		89		40-140	7		30
NDPA/DPA	87		96		40-140	10		30
n-Nitrosodi-n-propylamine	83		87		29-132	5		30
Bis(2-ethylhexyl)phthalate	93		101		40-140	8		30
Butyl benzyl phthalate	94		104		40-140	10		30
Di-n-butylphthalate	93		99		40-140	6		30
Di-n-octylphthalate	91		100		40-140	9		30
Diethyl phthalate	88		98		40-140	11		30
Dimethyl phthalate	91		98		40-140	7		30
Benzo(a)anthracene	86		94		40-140	9		30
Benzo(a)pyrene	94		100		40-140	6		30
Benzo(b)fluoranthene	90		101		40-140	12		30
Benzo(k)fluoranthene	92		94		40-140	2		30
Chrysene	88		92		40-140	4		30
Acenaphthylene	92		99		45-123	7		30
Anthracene	89		94		40-140	5		30
Benzo(ghi)perylene	94		99		40-140	5		30
Fluorene	86		95		40-140	10		30
Phenanthrene	88		94		40-140	7		30
Dibenzo(a,h)anthracene	93		98		40-140	5		30
Indeno(1,2,3-cd)pyrene	96		101		40-140	5		30
Pyrene	88		93		26-127	6		30
Biphenyl	92		98		40-140	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1096842-2 WG1096842-3								
4-Chloroaniline	70		66		40-140	6		30
2-Nitroaniline	93		101		52-143	8		30
3-Nitroaniline	62		64		25-145	3		30
4-Nitroaniline	82		89		51-143	8		30
Dibenzofuran	86		93		40-140	8		30
2-Methylnaphthalene	86		90		40-140	5		30
1,2,4,5-Tetrachlorobenzene	93		98		2-134	5		30
Acetophenone	84		88		39-129	5		30
n-Nitrosodimethylamine	52		52		22-74	0		30
2,4,6-Trichlorophenol	93		100		30-130	7		30
p-Chloro-m-cresol	95		**104**	Q	23-97	9		30
2-Chlorophenol	80		85		27-123	6		30
2,4-Dichlorophenol	90		99		30-130	10		30
2,4-Dimethylphenol	87		94		30-130	8		30
2-Nitrophenol	87		94		30-130	8		30
4-Nitrophenol	69		78		10-80	12		30
2,4-Dinitrophenol	88		96		20-130	9		30
4,6-Dinitro-o-cresol	99		112		20-164	12		30
Pentachlorophenol	84		90		9-103	7		30
Phenol	38		46		12-110	19		30
2-Methylphenol	78		84		30-130	7		30
3-Methylphenol/4-Methylphenol	74		77		30-130	4		30
2,4,5-Trichlorophenol	104		109		30-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1096842-2 WG1096842-3								
Benzoic Acid	18		19		10-164	5		30
Benzyl Alcohol	77		79		26-116	3		30
Carbazole	90		96		55-144	6		30
Atrazine	92		99		40-140	7		30
Benzaldehyde	70		75		40-140	7		30
Caprolactam	29		30		10-130	3		30
2,3,4,6-Tetrachlorophenol	98		107		40-140	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		61		21-120
Phenol-d6	41		44		10-120
Nitrobenzene-d5	80		83		23-120
2-Fluorobiphenyl	92		95		15-120
2,4,6-Tribromophenol	99		108		10-120
4-Terphenyl-d14	92		100		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,06 Batch: WG1097272-2 WG1097272-3								
Acenaphthene	83		72		31-137	14		50
Benzidine	48		32		10-66	40		50
1,2,4-Trichlorobenzene	82		70		38-107	16		50
Hexachlorobenzene	90		76		40-140	17		50
Bis(2-chloroethyl)ether	75		66		40-140	13		50
2-Chloronaphthalene	86		73		40-140	16		50
1,2-Dichlorobenzene	76		74		40-140	3		50
1,3-Dichlorobenzene	77		76		40-140	1		50
1,4-Dichlorobenzene	78		75		28-104	4		50
3,3'-Dichlorobenzidine	60		49		40-140	20		50
2,4-Dinitrotoluene	89		77		40-132	14		50
2,6-Dinitrotoluene	88		74		40-140	17		50
Azobenzene	89		76		40-140	16		50
Fluoranthene	90		77		40-140	16		50
4-Chlorophenyl phenyl ether	87		72		40-140	19		50
4-Bromophenyl phenyl ether	87		76		40-140	13		50
Bis(2-chloroisopropyl)ether	62		53		40-140	16		50
Bis(2-chloroethoxy)methane	77		62		40-117	22		50
Hexachlorobutadiene	86		78		40-140	10		50
Hexachlorocyclopentadiene	84		71		40-140	17		50
Hexachloroethane	79		77		40-140	3		50
Isophorone	76		64		40-140	17		50
Naphthalene	83		73		40-140	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,06 Batch: WG1097272-2 WG1097272-3								
Nitrobenzene	82		70		40-140	16		50
NDPA/DPA	86		74		36-157	15		50
n-Nitrosodi-n-propylamine	79		66		32-121	18		50
Bis(2-ethylhexyl)phthalate	85		74		40-140	14		50
Butyl benzyl phthalate	92		79		40-140	15		50
Di-n-butylphthalate	89		75		40-140	17		50
Di-n-octylphthalate	86		74		40-140	15		50
Diethyl phthalate	85		73		40-140	15		50
Dimethyl phthalate	84		72		40-140	15		50
Benzo(a)anthracene	85		73		40-140	15		50
Benzo(a)pyrene	97		82		40-140	17		50
Benzo(b)fluoranthene	93		81		40-140	14		50
Benzo(k)fluoranthene	93		80		40-140	15		50
Chrysene	86		76		40-140	12		50
Acenaphthylene	88		74		40-140	17		50
Anthracene	88		77		40-140	13		50
Benzo(ghi)perylene	94		79		40-140	17		50
Fluorene	85		75		40-140	13		50
Phenanthrene	88		76		40-140	15		50
Dibenzo(a,h)anthracene	94		78		40-140	19		50
Indeno(1,2,3-cd)pyrene	95		81		40-140	16		50
Pyrene	88		75		35-142	16		50
Biphenyl	87		74		54-104	16		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,06 Batch: WG1097272-2 WG1097272-3								
4-Chloroaniline	82		74		40-140	10		50
2-Nitroaniline	87		76		47-134	13		50
3-Nitroaniline	66		56		26-129	16		50
4-Nitroaniline	82		67		41-125	20		50
Dibenzofuran	86		72		40-140	18		50
2-Methylnaphthalene	83		72		40-140	14		50
1,2,4,5-Tetrachlorobenzene	89		79		40-117	12		50
Acetophenone	84		71		14-144	17		50
n-Nitrosodimethylamine	81		68		22-100	17		50
2,4,6-Trichlorophenol	87		77		30-130	12		50
p-Chloro-m-cresol	93		79		26-103	16		50
2-Chlorophenol	87		72		25-102	19		50
2,4-Dichlorophenol	91		74		30-130	21		50
2,4-Dimethylphenol	86		68		30-130	23		50
2-Nitrophenol	89		74		30-130	18		50
4-Nitrophenol	97		89		11-114	9		50
2,4-Dinitrophenol	81		66		4-130	20		50
4,6-Dinitro-o-cresol	99		82		10-130	19		50
Pentachlorophenol	81		66		17-109	20		50
Phenol	79		65		26-90	19		50
2-Methylphenol	87		72		30-130.	19		50
3-Methylphenol/4-Methylphenol	85		68		30-130	22		50
2,4,5-Trichlorophenol	97		79		30-130	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,06 Batch: WG1097272-2 WG1097272-3								
Benzoic Acid	57		43		10-110	28		50
Benzyl Alcohol	86		73		40-140	16		50
Carbazole	90		76		54-128	17		50
Atrazine	104		87		40-140	18		50
Benzaldehyde	72		62		40-140	15		50
Caprolactam	84		72		15-130	15		50
2,3,4,6-Tetrachlorophenol	96		82		40-140	16		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	88		77		25-120
Phenol-d6	94		75		10-120
Nitrobenzene-d5	84		73		23-120
2-Fluorobiphenyl	90		76		30-120
2,4,6-Tribromophenol	106		89		10-136
4-Terphenyl-d14	97		82		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 04,06 Batch: WG1097568-2 WG1097568-3								
Hexachlorobenzene	72		69		40-140	4		30
2,4-Dinitrotoluene	71		70		40-132	1		30
Hexachlorobutadiene	64		61		28-111	5		30
Hexachloroethane	58		54		21-105	7		30
Nitrobenzene	62		55		40-140	12		30
2,4,6-Trichlorophenol	69		67		30-130	3		30
Pentachlorophenol	64		66		9-103	3		30
2-Methylphenol	65		61		30-130	6		30
3-Methylphenol/4-Methylphenol	66		63		30-130	5		30
2,4,5-Trichlorophenol	76		78		30-130	3		30
Pyridine	50		44		10-66	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		64		21-120
Phenol-d6	71		66		10-120
Nitrobenzene-d5	70		62		23-120
2-Fluorobiphenyl	79		74		15-120
2,4,6-Tribromophenol	92		90		10-120
4-Terphenyl-d14	83		81		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 03 Batch: WG1097569-2 WG1097569-3								
Hexachlorobenzene	108		78		40-140	**32**	Q	30
2,4-Dinitrotoluene	106		78		40-132	30		30
Hexachlorobutadiene	97		62		28-111	**44**	Q	30
Hexachloroethane	82		58		21-105	**34**	Q	30
Nitrobenzene	92		65		40-140	**34**	Q	30
2,4,6-Trichlorophenol	105		77		30-130	**31**	Q	30
Pentachlorophenol	101		75		9-103	30		30
2-Methylphenol	95		71		30-130	29		30
3-Methylphenol/4-Methylphenol	96		72		30-130	29		30
2,4,5-Trichlorophenol	109		85		30-130	25		30
Pyridine	64		41		10-66	**44**	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	107		78		21-120
Phenol-d6	105		79		10-120
Nitrobenzene-d5	104		77		23-120
2-Fluorobiphenyl	115		85		15-120
2,4,6-Tribromophenol	**141**	Q	100		10-120
4-Terphenyl-d14	**125**	Q	94		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,06 Batch: WG1098510-2 WG1098510-3								
Acenaphthene	63		63		31-137	0		50
Benzidine	25		22		10-66	13		50
1,2,4-Trichlorobenzene	62		61		38-107	2		50
Hexachlorobenzene	65		65		40-140	0		50
Bis(2-chloroethyl)ether	60		60		40-140	0		50
2-Chloronaphthalene	63		62		40-140	2		50
1,2-Dichlorobenzene	60		59		40-140	2		50
1,3-Dichlorobenzene	58		58		40-140	0		50
1,4-Dichlorobenzene	58		58		28-104	0		50
3,3'-Dichlorobenzidine	**36**	Q	**32**	Q	40-140	12		50
2,4-Dinitrotoluene	64		64		40-132	0		50
2,6-Dinitrotoluene	68		68		40-140	0		50
Azobenzene	66		65		40-140	2		50
Fluoranthene	66		66		40-140	0		50
4-Chlorophenyl phenyl ether	64		66		40-140	3		50
4-Bromophenyl phenyl ether	66		64		40-140	3		50
Bis(2-chloroisopropyl)ether	59		57		40-140	3		50
Bis(2-chloroethoxy)methane	63		63		40-117	0		50
Hexachlorobutadiene	63		62		40-140	2		50
Hexachlorocyclopentadiene	42		42		40-140	0		50
Hexachloroethane	60		60		40-140	0		50
Isophorone	62		62		40-140	0		50
Naphthalene	63		62		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,06 Batch: WG1098510-2 WG1098510-3								
Nitrobenzene	61		61		40-140	0		50
NDPA/DPA	65		65		36-157	0		50
n-Nitrosodi-n-propylamine	62		63		32-121	2		50
Bis(2-ethylhexyl)phthalate	66		67		40-140	2		50
Butyl benzyl phthalate	70		69		40-140	1		50
Di-n-butylphthalate	70		70		40-140	0		50
Di-n-octylphthalate	65		66		40-140	2		50
Diethyl phthalate	65		65		40-140	0		50
Dimethyl phthalate	69		68		40-140	1		50
Benzo(a)anthracene	62		63		40-140	2		50
Benzo(a)pyrene	61		60		40-140	2		50
Benzo(b)fluoranthene	60		60		40-140	0		50
Benzo(k)fluoranthene	62		62		40-140	0		50
Chrysene	61		61		40-140	0		50
Acenaphthylene	66		67		40-140	2		50
Anthracene	66		66		40-140	0		50
Benzo(ghi)perylene	64		64		40-140	0		50
Fluorene	65		65		40-140	0		50
Phenanthrene	64		64		40-140	0		50
Dibenzo(a,h)anthracene	67		66		40-140	2		50
Indeno(1,2,3-cd)pyrene	65		65		40-140	0		50
Pyrene	64		64		35-142	0		50
Biphenyl	67		66		54-104	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,06 Batch: WG1098510-2 WG1098510-3								
4-Chloroaniline	55		64		40-140	15		50
2-Nitroaniline	68		66		47-134	3		50
3-Nitroaniline	40		36		26-129	11		50
4-Nitroaniline	58		57		41-125	2		50
Dibenzofuran	65		64		40-140	2		50
2-Methylnaphthalene	64		63		40-140	2		50
1,2,4,5-Tetrachlorobenzene	66		66		40-117	0		50
Acetophenone	66		65		14-144	2		50
n-Nitrosodimethylamine	55		56		22-100	2		50
2,4,6-Trichlorophenol	67		66		30-130	2		50
p-Chloro-m-cresol	68		68		26-103	0		50
2-Chlorophenol	62		62		25-102	0		50
2,4-Dichlorophenol	68		67		30-130	1		50
2,4-Dimethylphenol	66		65		30-130	2		50
2-Nitrophenol	64		64		30-130	0		50
4-Nitrophenol	62		63		11-114	2		50
2,4-Dinitrophenol	47		49		4-130	4		50
4,6-Dinitro-o-cresol	66		65		10-130	2		50
Pentachlorophenol	52		52		17-109	0		50
Phenol	64		63		26-90	2		50
2-Methylphenol	66		65		30-130.	2		50
3-Methylphenol/4-Methylphenol	69		68		30-130	1		50
2,4,5-Trichlorophenol	67		67		30-130	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,06 Batch: WG1098510-2 WG1098510-3								
Benzoic Acid	22		28		10-110	24		50
Benzyl Alcohol	66		66		40-140	0		50
Carbazole	66		65		54-128	2		50
Atrazine	78		76		40-140	3		50
Benzaldehyde	54		54		40-140	0		50
Caprolactam	63		62		15-130	2		50
2,3,4,6-Tetrachlorophenol	64		63		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		65		25-120
Phenol-d6	66		66		10-120
Nitrobenzene-d5	67		65		23-120
2-Fluorobiphenyl	71		71		30-120
2,4,6-Tribromophenol	70		69		10-136
4-Terphenyl-d14	75		75		18-120

PETROLEUM HYDROCARBONS

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-01
Client ID: WC03_GRAB_LB12_13-15
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 11:05
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 03/16/18 10:06
Analyst: DG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/15/18 08:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	247		mg/kg	26.4	26.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	78		40-140
o-Terphenyl	72		40-140

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-02
Client ID: WC04_GRAB_LB08_14-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 09:50
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 03/16/18 10:37
Analyst: DG
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 03/15/18 08:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	269		mg/kg	24.8	24.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	100		40-140
o-Terphenyl	99		40-140

Project Name: 300 WEST 122ND ST.
Lab Number: L1808531
Project Number: 170500202
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-05
Client ID: WC_GRAB_DUP01
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 03/16/18 11:08
Analyst: DG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/15/18 08:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	148		mg/kg	25.2	25.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	91		40-140
o-Terphenyl	88		40-140

Project Name: 300 WEST 122ND ST.
Lab Number: L1808531
Project Number: 170500202
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-08
Client ID: WC_FB01_031218
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 17:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 103,NJDEP EPH
Analytical Date: 03/18/18 17:30
Analyst: DG

Extraction Method: EPA 3510C
Extraction Date: 03/18/18 00:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		ug/l	360	360.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	82		40-140
o-Terphenyl	80		40-140

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 03/15/18 10:18
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 03/14/18 11:01

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 01-02,05 Batch: WG1096923-1					
Total EPH	ND		mg/kg	23.1	23.1

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	68		40-140
o-Terphenyl	66		40-140

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 03/18/18 15:36
Analyst: DG

Extraction Method: EPA 3510C
Extraction Date: 03/18/18 00:09

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 08 Batch: WG1098153-1					
Total EPH	ND		ug/l	360	360.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	81		40-140
o-Terphenyl	79		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02,05 Batch: WG1096923-2 WG1096923-3								
Total EPH	100		102		40-140	2		25
Nonane (C9)	91		92		40-140	1		25
Decane (C10)	97		99		40-140	2		25
Dodecane (C12)	99		101		40-140	2		25
Tetradecane (C14)	100		102		40-140	2		25
Hexadecane (C16)	103		105		40-140	2		25
Octadecane (C18)	107		109		40-140	2		25
Eicosane (C20)	106		108		40-140	2		25
Heneicosane (C21)	105		108		40-140	3		25
Docosane (C22)	103		106		40-140	3		25
Tetracosane (C24)	100		103		40-140	3		25
Hexacosane (C26)	98		101		40-140	3		25
Octacosane (C28)	94		96		40-140	2		25
Triacontane (C30)	92		94		40-140	2		25
Dotriacontane (C32)	92		93		40-140	1		25
Tetratriacontane (C34)	89		90		40-140	1		25
Hexatriacontane (C36)	91		91		40-140	0		25
Octatriacontane (C38)	89		88		40-140	1		25
Tetracontane (C40)	87		85		40-140	2		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab	Associated sample(s): 01-02,05		Batch: WG1096923-2 WG1096923-3					

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	95		97		40-140
o-Terphenyl	93		94		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 08 Batch: WG1098153-2 WG1098153-3								
Total EPH	98		87		40-140	12		25
Nonane (C9)	72		59		40-140	20		25
Decane (C10)	94		79		40-140	17		25
Dodecane (C12)	85		72		40-140	17		25
Tetradecane (C14)	88		73		40-140	19		25
Hexadecane (C16)	90		77		40-140	16		25
Octadecane (C18)	91		83		40-140	9		25
Eicosane (C20)	90		83		40-140	8		25
Heneicosane (C21)	90		84		40-140	7		25
Docosane (C22)	90		84		40-140	7		25
Tetracosane (C24)	90		84		40-140	7		25
Hexacosane (C26)	89		83		40-140	7		25
Octacosane (C28)	89		83		40-140	7		25
Triacontane (C30)	90		84		40-140	7		25
Dotriacontane (C32)	92		85		40-140	8		25
Tetratriacontane (C34)	87		82		40-140	6		25
Hexatriacontane (C36)	87		82		40-140	6		25
Octatriacontane (C38)	82		78		40-140	5		25
Tetracontane (C40)	81		77		40-140	5		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 08 Batch: WG1098153-2 WG1098153-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	90		82		40-140
o-Terphenyl	90		79		40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02,05 QC Batch ID: WG1096923-4 QC Sample: L1808493-01 Client ID: MS Sample												
Total EPH	30.3	252	253	88		-	-		40-140	-		50
Nonane (C9)	ND	7.01	5.54	79		-	-		40-140	-		50
Decane (C10)	ND	7.01	5.93	85		-	-		40-140	-		50
Dodecane (C12)	ND	7.01	6.00	86		-	-		40-140	-		50
Tetradecane (C14)	ND	7.01	6.04	86		-	-		40-140	-		50
Hexadecane (C16)	ND	7.01	6.43	92		-	-		40-140	-		50
Octadecane (C18)	ND	7.01	6.81	97		-	-		40-140	-		50
Eicosane (C20)	ND	7.01	6.86	98		-	-		40-140	-		50
Heneicosane (C21)	ND	7.01	6.90	98		-	-		40-140	-		50
Docosane (C22)	ND	7.01	6.85	98		-	-		40-140	-		50
Tetracosane (C24)	ND	7.01	6.94	99		-	-		40-140	-		50
Hexacosane (C26)	ND	7.01	6.84	98		-	-		40-140	-		50
Octacosane (C28)	ND	7.01	6.72	96		-	-		40-140	-		50
Triacontane (C30)	ND	7.01	6.58	94		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.01	6.60	94		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.01	6.19	88		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.01	6.15	88		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.01	5.93	85		-	-		40-140	-		50
Tetracontane (C40)	ND	7.01	5.97	85		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	86				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02,05 QC Batch ID: WG1096923-4 QC Sample: L1808493-01 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	86				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1098153-4 QC Sample: L1800013-60 Client ID: MS Sample												
Total EPH	ND	3600	3230	90		-	-		40-140	-		50
Nonane (C9)	ND	100	61.5	62		-	-		40-140	-		50
Decane (C10)	ND	100	82.1	82		-	-		40-140	-		50
Dodecane (C12)	ND	100	74.8	75		-	-		40-140	-		50
Tetradecane (C14)	ND	100	77.7	78		-	-		40-140	-		50
Hexadecane (C16)	ND	100	82.7	83		-	-		40-140	-		50
Octadecane (C18)	ND	100	85.3	85		-	-		40-140	-		50
Eicosane (C20)	ND	100	84.5	84		-	-		40-140	-		50
Heneicosane (C21)	ND	100	84.5	84		-	-		40-140	-		50
Docosane (C22)	ND	100	85.0	85		-	-		40-140	-		50
Tetracosane (C24)	ND	100	85.0	85		-	-		40-140	-		50
Hexacosane (C26)	ND	100	84.0	84		-	-		40-140	-		50
Octacosane (C28)	ND	100	83.7	84		-	-		40-140	-		50
Triacontane (C30)	ND	100	84.9	85		-	-		40-140	-		50
Dotriacontane (C32)	ND	100	86.2	86		-	-		40-140	-		50
Tetratriacontane (C34)	ND	100	81.6	82		-	-		40-140	-		50
Hexatriacontane (C36)	ND	100	81.0	81		-	-		40-140	-		50
Octatriacontane (C38)	ND	100	75.6	76		-	-		40-140	-		50
Tetracontane (C40)	ND	100	74.3	74		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	82				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name:	300 WEST 122ND ST.	***Lab Number:***	L1808531
Project Number:	170500202	***Report Date:***	03/20/18

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab MS Sample	Associated sample(s): 08		QC Batch ID: WG1098153-4				QC Sample: L1800013-60		Client ID:			

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	82				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02,05 QC Batch ID: WG1096923-5 QC Sample: L1808493-01 Client ID: DUP Sample						
Total EPH	30.3	35.6	mg/kg	16		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	85		100		40-140
o-Terphenyl	85		100		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1098153-5 QC Sample: L1800013-60 Client ID: DUP Sample						
Total EPH	ND	ND	ug/l	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	82		87		40-140
o-Terphenyl	79		85		40-140

PCBS

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03
Client ID: WC03_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 12:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/16/18 12:33
Analyst: WR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 03/15/18 03:54
Cleanup Method: EPA 3665A
Cleanup Date: 03/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.7	4.05	1	A
Aroclor 1221	ND		ug/kg	35.7	5.43	1	A
Aroclor 1232	ND		ug/kg	35.7	3.51	1	A
Aroclor 1242	ND		ug/kg	35.7	4.37	1	A
Aroclor 1248	ND		ug/kg	35.7	4.00	1	A
Aroclor 1254	10.3	J	ug/kg	35.7	2.91	1	A
Aroclor 1260	3.81	J	ug/kg	35.7	3.72	1	A
Aroclor 1262	ND		ug/kg	35.7	2.93	1	A
Aroclor 1268	ND		ug/kg	35.7	2.53	1	A
PCBs, Total	14.1	J	ug/kg	35.7	2.53	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04
Client ID: WC04_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 10:30
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/16/18 12:46
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/15/18 03:54
Cleanup Method: EPA 3665A
Cleanup Date: 03/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	4.24	1	A
Aroclor 1221	ND		ug/kg	37.4	5.68	1	A
Aroclor 1232	ND		ug/kg	37.4	3.68	1	A
Aroclor 1242	ND		ug/kg	37.4	4.57	1	A
Aroclor 1248	ND		ug/kg	37.4	4.19	1	A
Aroclor 1254	6.78	J	ug/kg	37.4	3.05	1	A
Aroclor 1260	ND		ug/kg	37.4	3.90	1	A
Aroclor 1262	ND		ug/kg	37.4	3.07	1	A
Aroclor 1268	ND		ug/kg	37.4	2.64	1	A
PCBs, Total	6.78	J	ug/kg	37.4	2.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06
Client ID: WC_COMP_DUP01
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/16/18 17:21
Analyst: WR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/15/18 03:54
Cleanup Method: EPA 3665A
Cleanup Date: 03/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.1	4.21	1	A
Aroclor 1221	ND		ug/kg	37.1	5.65	1	A
Aroclor 1232	ND		ug/kg	37.1	3.65	1	A
Aroclor 1242	ND		ug/kg	37.1	4.54	1	A
Aroclor 1248	ND		ug/kg	37.1	4.16	1	A
Aroclor 1254	10.4	J	ug/kg	37.1	3.03	1	B
Aroclor 1260	6.57	J	ug/kg	37.1	3.88	1	B
Aroclor 1262	ND		ug/kg	37.1	3.05	1	A
Aroclor 1268	ND		ug/kg	37.1	2.63	1	A
PCBs, Total	17.0	J	ug/kg	37.1	2.63	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-08
Client ID: WC_FB01_031218
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 17:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/16/18 22:14
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 05:32
Cleanup Method: EPA 3665A
Cleanup Date: 03/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/15/18 10:33
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/14/18 23:52
Cleanup Method: EPA 3665A
Cleanup Date: 03/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08 Batch: WG1097171-1						
Aroclor 1016	ND		ug/l	0.083	0.020	A
Aroclor 1221	ND		ug/l	0.083	0.032	A
Aroclor 1232	ND		ug/l	0.083	0.027	A
Aroclor 1242	ND		ug/l	0.083	0.030	A
Aroclor 1248	ND		ug/l	0.083	0.023	A
Aroclor 1254	ND		ug/l	0.083	0.035	A
Aroclor 1260	ND		ug/l	0.083	0.020	A
Aroclor 1262	ND		ug/l	0.083	0.017	A
Aroclor 1268	ND		ug/l	0.083	0.027	A
PCBs, Total	ND		ug/l	0.083	0.017	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/16/18 08:39
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 03/15/18 03:54
Cleanup Method: EPA 3665A
Cleanup Date: 03/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04,06 Batch: WG1097215-1						
Aroclor 1016	ND		ug/kg	33.3	3.78	A
Aroclor 1221	ND		ug/kg	33.3	5.07	A
Aroclor 1232	ND		ug/kg	33.3	3.28	A
Aroclor 1242	ND		ug/kg	33.3	4.08	A
Aroclor 1248	ND		ug/kg	33.3	3.74	A
Aroclor 1254	ND		ug/kg	33.3	2.72	A
Aroclor 1260	ND		ug/kg	33.3	3.48	A
Aroclor 1262	ND		ug/kg	33.3	2.74	A
Aroclor 1268	ND		ug/kg	33.3	2.36	A
PCBs, Total	ND		ug/kg	33.3	2.36	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	66		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08 Batch: WG1097171-2 WG1097171-3									
Aroclor 1016	75		75		40-140	1		50	A
Aroclor 1260	61		61		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		83		30-150	A
Decachlorobiphenyl	60		47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		82		30-150	B
Decachlorobiphenyl	66		51		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04,06 Batch: WG1097215-2 WG1097215-3									
Aroclor 1016	79		85		40-140	7		50	A
Aroclor 1260	61		80		40-140	27		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		83		30-150	A
Decachlorobiphenyl	55		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		85		30-150	B
Decachlorobiphenyl	57		68		30-150	B

PESTICIDES

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03
Client ID: WC03_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 12:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/16/18 15:44
Analyst: KEG
Percent Solids: 88%
TCLP/SPLP Ext. Date: 03/14/18 16:42

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 23:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03
Client ID: WC03_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 12:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/16/18 18:26
Analyst: JW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 03/15/18 07:31
Cleanup Method: EPA 3620B
Cleanup Date: 03/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.348	1	A
Lindane	ND		ug/kg	0.741	0.331	1	A
Alpha-BHC	ND		ug/kg	0.741	0.210	1	A
Beta-BHC	ND		ug/kg	1.78	0.674	1	A
Heptachlor	ND		ug/kg	0.889	0.399	1	B
Aldrin	ND		ug/kg	1.78	0.626	1	A
Heptachlor epoxide	ND		ug/kg	3.33	1.00	1	A
Endrin	ND		ug/kg	0.741	0.304	1	A
Endrin aldehyde	ND		ug/kg	2.22	0.778	1	A
Endrin ketone	ND		ug/kg	1.78	0.458	1	A
Dieldrin	ND		ug/kg	1.11	0.556	1	A
4,4'-DDE	2.34		ug/kg	1.78	0.411	1	A
4,4'-DDD	ND		ug/kg	1.78	0.634	1	A
4,4'-DDT	1.85	J	ug/kg	3.33	1.43	1	B
Endosulfan I	ND		ug/kg	1.78	0.420	1	A
Endosulfan II	ND		ug/kg	1.78	0.594	1	A
Endosulfan sulfate	ND		ug/kg	0.741	0.353	1	A
Methoxychlor	ND		ug/kg	3.33	1.04	1	A
Toxaphene	ND		ug/kg	33.3	9.34	1	A
cis-Chlordane	3.70		ug/kg	2.22	0.619	1	A
trans-Chlordane	3.34	P	ug/kg	2.22	0.587	1	A
Chlordane	ND		ug/kg	14.4	5.89	1	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03 Date Collected: 03/12/18 12:15

Client ID: WC03_COMP_13-16 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	60		30-150	B
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	89		30-150	A

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03
Client ID: WC03_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 12:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/19/18 16:38
Analyst: KB
Percent Solids: 88%
TCLP/SPLP Ext. Date: 03/14/18 16:42
Methylation Date: 03/16/18 22:03

Extraction Method: EPA 8151A
Extraction Date: 03/16/18 04:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-T	ND		mg/l	0.005	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	104		30-150	A
DCAA	85		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03
Client ID: WC03_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 12:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/19/18 17:16
Analyst: KB
Percent Solids: 88%
Methylation Date: 03/18/18 06:40

Extraction Method: EPA 8151A
Extraction Date: 03/16/18 00:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	11.8	1	A
2,4,5-T	ND		ug/kg	187	5.79	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	4.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	137		30-150	A
DCAA	**154**	Q	30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04
Client ID: WC04_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 10:30
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/16/18 15:19
Analyst: KEG
Percent Solids: 87%
TCLP/SPLP Ext. Date: 03/14/18 16:42

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 23:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04
Client ID: WC04_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 10:30
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/20/18 08:08
Analyst: JW
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 16:55
Cleanup Method: EPA 3620B
Cleanup Date: 03/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.354	1	A
Lindane	ND		ug/kg	0.753	0.336	1	A
Alpha-BHC	ND		ug/kg	0.753	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.685	1	A
Heptachlor	0.444	J	ug/kg	0.904	0.405	1	B
Aldrin	ND		ug/kg	1.81	0.636	1	A
Heptachlor epoxide	ND		ug/kg	3.39	1.02	1	A
Endrin	ND		ug/kg	0.753	0.309	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.791	1	A
Endrin ketone	ND		ug/kg	1.81	0.465	1	A
Dieldrin	0.682	JPI	ug/kg	1.13	0.565	1	B
4,4'-DDE	2.92	P	ug/kg	1.81	0.418	1	B
4,4'-DDD	ND		ug/kg	1.81	0.644	1	A
4,4'-DDT	ND		ug/kg	3.39	1.45	1	A
Endosulfan I	ND		ug/kg	1.81	0.427	1	A
Endosulfan II	ND		ug/kg	1.81	0.604	1	A
Endosulfan sulfate	ND		ug/kg	0.753	0.358	1	A
Methoxychlor	ND		ug/kg	3.39	1.05	1	A
Toxaphene	ND		ug/kg	33.9	9.49	1	A
cis-Chlordane	4.48		ug/kg	2.26	0.629	1	A
trans-Chlordane	1.82	JPI	ug/kg	2.26	0.596	1	A
Chlordane	ND		ug/kg	14.7	5.99	1	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04 Date Collected: 03/12/18 10:30

Client ID: WC04_COMP_13-16 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	103		30-150	A

Project Name: 300 WEST 122ND ST.
Lab Number: L1808531
Project Number: 170500202
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04
Client ID: WC04_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 10:30
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/19/18 07:23
Analyst: SL
Percent Solids: 87%
TCLP/SPLP Ext. Date: 03/14/18 16:42
Methylation Date: 03/16/18 21:35

Extraction Method: EPA 8151A
Extraction Date: 03/16/18 04:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	80		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04
Client ID: WC04_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 10:30
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/19/18 17:35
Analyst: KB
Percent Solids: 87%
Methylation Date: 03/18/18 06:40

Extraction Method: EPA 8151A
Extraction Date: 03/16/18 00:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	189	11.9	1	A
2,4,5-T	ND		ug/kg	189	5.87	1	A
2,4,5-TP (Silvex)	ND		ug/kg	189	5.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	115		30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06
Client ID: WC_COMP_DUP01
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/16/18 15:32
Analyst: KEG
Percent Solids: 86%
TCLP/SPLP Ext. Date: 03/14/18 16:42

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 23:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06
Client ID: WC_COMP_DUP01
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/16/18 18:51
Analyst: JW
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/15/18 07:31
Cleanup Method: EPA 3620B
Cleanup Date: 03/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.771	0.345	1	A
Alpha-BHC	ND		ug/kg	0.771	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.702	1	A
Heptachlor	ND		ug/kg	0.925	0.415	1	B
Aldrin	ND		ug/kg	1.85	0.652	1	A
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1	A
Endrin	ND		ug/kg	0.771	0.316	1	A
Endrin aldehyde	ND		ug/kg	2.31	0.810	1	A
Endrin ketone	ND		ug/kg	1.85	0.476	1	A
Dieldrin	0.635	J	ug/kg	1.16	0.578	1	B
4,4'-DDE	3.15		ug/kg	1.85	0.428	1	B
4,4'-DDD	ND		ug/kg	1.85	0.660	1	A
4,4'-DDT	1.76	J	ug/kg	3.47	1.49	1	B
Endosulfan I	ND		ug/kg	1.85	0.437	1	A
Endosulfan II	ND		ug/kg	1.85	0.618	1	A
Endosulfan sulfate	ND		ug/kg	0.771	0.367	1	A
Methoxychlor	ND		ug/kg	3.47	1.08	1	A
Toxaphene	ND		ug/kg	34.7	9.72	1	A
cis-Chlordane	4.54		ug/kg	2.31	0.645	1	A
trans-Chlordane	3.98	P	ug/kg	2.31	0.611	1	A
Chlordane	ND		ug/kg	15.0	6.13	1	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06 Date Collected: 03/12/18 00:00

Client ID: WC_COMP_DUP01 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	51		30-150	B
2,4,5,6-Tetrachloro-m-xylene	130		30-150	A
Decachlorobiphenyl	59		30-150	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06
Client ID: WC_COMP_DUP01
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/19/18 07:42
Analyst: SL
Percent Solids: 86%
TCLP/SPLP Ext. Date: 03/14/18 16:42
Methylation Date: 03/16/18 21:35

Extraction Method: EPA 8151A
Extraction Date: 03/16/18 04:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	79		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06
Client ID: WC_COMP_DUP01
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 03/19/18 18:12
Analyst: KB
Percent Solids: 86%
Methylation Date: 03/18/18 06:40

Extraction Method: EPA 8151A
Extraction Date: 03/16/18 00:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	192	12.1	1	A
2,4,5-T	ND		ug/kg	192	5.94	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	5.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	121		30-150	B

Project Name: 300 WEST 122ND ST.
Lab Number: L1808531
Project Number: 170500202
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-08
Client ID: WC_FB01_031218
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 17:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/18/18 18:57
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 03/17/18 12:42

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
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	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
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-08 Date Collected: 03/12/18 17:15

Client ID: WC_FB01_031218 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-08
Client ID: WC_FB01_031218
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 17:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 03/19/18 03:38
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 03/17/18 16:23

Methylation Date: 03/18/18 05:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	124		30-150	A
DCAA	106		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/16/18 16:09
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/15/18 07:31
Cleanup Method: EPA 3620B
Cleanup Date: 03/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03,06 Batch: WG1097255-1						
Delta-BHC	ND		ug/kg	1.59	0.311	A
Lindane	ND		ug/kg	0.662	0.296	A
Alpha-BHC	ND		ug/kg	0.662	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.602	A
Aldrin	ND		ug/kg	1.59	0.559	A
Heptachlor epoxide	ND		ug/kg	2.98	0.893	A
Endrin	ND		ug/kg	0.662	0.271	A
Endrin aldehyde	ND		ug/kg	1.98	0.695	A
Endrin ketone	ND		ug/kg	1.59	0.409	A
Dieldrin	ND		ug/kg	0.993	0.496	A
4,4'-DDE	ND		ug/kg	1.59	0.367	A
4,4'-DDD	ND		ug/kg	1.59	0.566	A
4,4'-DDT	ND		ug/kg	2.98	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.375	A
Endosulfan II	ND		ug/kg	1.59	0.531	A
Endosulfan sulfate	ND		ug/kg	0.662	0.315	A
Methoxychlor	ND		ug/kg	2.98	0.926	A
Toxaphene	ND		ug/kg	29.8	8.34	A
cis-Chlordane	ND		ug/kg	1.98	0.553	A
trans-Chlordane	ND		ug/kg	1.98	0.524	A
Chlordane	ND		ug/kg	12.9	5.26	A
Heptachlor	ND		ug/kg	0.794	0.356	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/16/18 16:09
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/15/18 07:31
Cleanup Method: EPA 3620B
Cleanup Date: 03/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03,06 Batch: WG1097255-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	55		30-150	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/16/18 14:41
Analyst: KEG
TCLP/SPLP Extraction Date: 03/14/18 16:42

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 23:31

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 04,06 Batch: WG1097570-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/16/18 12:09
Analyst: JW
TCLP/SPLP Extraction Date: 03/14/18 16:42

Extraction Method: EPA 3510C
Extraction Date: 03/15/18 23:34

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 03 Batch: WG1097572-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/16/18 14:02
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 03/16/18 00:28

Methylation Date: 03/16/18 08:48

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-04,06 Batch: WG1097581-1						
2,4-D	ND		ug/kg	163	10.3	A
2,4,5-T	ND		ug/kg	163	5.05	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.33	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	81		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/19/18 06:27
Analyst: SL
TCLP/SPLP Extraction Date: 03/14/18 16:42
Methylation Date: 03/16/18 21:35

Extraction Method: EPA 8151A
Extraction Date: 03/16/18 04:56

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 04,06 Batch: WG1097617-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	125		30-150	A
DCAA	105		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/19/18 15:42
Analyst: KB
TCLP/SPLP Extraction Date: 03/14/18 16:42
Methylation Date: 03/16/18 22:03

Extraction Method: EPA 8151A
Extraction Date: 03/16/18 04:58

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 03 Batch: WG1097618-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	96		30-150	A
DCAA	84		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/17/18 22:58
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 03/17/18 07:51

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG1098017-1						
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 aldehyde	ND		ug/l	0.040	0.008	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

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/17/18 22:58
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 03/17/18 07:51

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG1098017-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/19/18 02:41
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 03/17/18 10:20

Methylation Date: 03/18/18 05:03

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 08 Batch: WG1098065-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	86		30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/20/18 06:40
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/19/18 16:55
Cleanup Method: EPA 3620B
Cleanup Date: 03/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04 Batch: WG1098521-1						
Delta-BHC	ND		ug/kg	1.52	0.297	A
Lindane	ND		ug/kg	0.631	0.282	A
Alpha-BHC	ND		ug/kg	0.631	0.179	A
Beta-BHC	ND		ug/kg	1.52	0.574	A
Heptachlor	ND		ug/kg	0.758	0.340	A
Aldrin	ND		ug/kg	1.52	0.533	A
Heptachlor epoxide	ND		ug/kg	2.84	0.852	A
Endrin	ND		ug/kg	0.631	0.259	A
Endrin aldehyde	ND		ug/kg	1.89	0.663	A
Endrin ketone	ND		ug/kg	1.52	0.390	A
Dieldrin	ND		ug/kg	0.947	0.473	A
4,4'-DDE	ND		ug/kg	1.52	0.350	A
4,4'-DDD	ND		ug/kg	1.52	0.540	A
4,4'-DDT	ND		ug/kg	2.84	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.358	A
Endosulfan II	ND		ug/kg	1.52	0.506	A
Endosulfan sulfate	ND		ug/kg	0.631	0.300	A
Methoxychlor	ND		ug/kg	2.84	0.884	A
Toxaphene	ND		ug/kg	28.4	7.95	A
cis-Chlordane	ND		ug/kg	1.89	0.528	A
trans-Chlordane	ND		ug/kg	1.89	0.500	A
Chlordane	ND		ug/kg	12.3	5.02	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/20/18 06:40
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/19/18 16:55
Cleanup Method: EPA 3620B
Cleanup Date: 03/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04 Batch: WG1098521-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	100		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	96		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03,06 Batch: WG1097255-2 WG1097255-3									
Delta-BHC	41		104		30-150	**87**	Q	30	A
Lindane	39		98		30-150	**86**	Q	30	A
Alpha-BHC	40		103		30-150	**88**	Q	30	A
Beta-BHC	39		90		30-150	**79**	Q	30	A
Aldrin	38		93		30-150	**84**	Q	30	A
Heptachlor epoxide	40		95		30-150	**81**	Q	30	A
Endrin	41		99		30-150	**83**	Q	30	A
Endrin aldehyde	32		78		30-150	**84**	Q	30	A
Endrin ketone	37		89		30-150	**83**	Q	30	A
Dieldrin	42		102		30-150	**83**	Q	30	A
4,4'-DDE	39		99		30-150	**87**	Q	30	A
4,4'-DDD	40		97		30-150	**83**	Q	30	A
4,4'-DDT	43		103		30-150	**82**	Q	30	A
Endosulfan I	39		93		30-150	**82**	Q	30	A
Endosulfan II	39		95		30-150	**84**	Q	30	A
Endosulfan sulfate	30		69		30-150	**79**	Q	30	A
Methoxychlor	45		102		30-150	**78**	Q	30	A
cis-Chlordane	37		89		30-150	**83**	Q	30	A
trans-Chlordane	41		93		30-150	**78**	Q	30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03,06 Batch: WG1097255-2 WG1097255-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	32		73		30-150	B
Decachlorobiphenyl	**23**	Q	81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	33		77		30-150	A
Decachlorobiphenyl	34		78		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03,06 Batch: WG1097255-2 WG1097255-3									
Heptachlor	39		92		30-150	**81**	Q	30	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	32		73		30-150	B
Decachlorobiphenyl	**23**	Q	81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	33		77		30-150	A
Decachlorobiphenyl	34		78		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 04,06 Batch: WG1097570-2 WG1097570-3									
Lindane	98		94		30-150	4		20	A
Heptachlor	84		74		30-150	13		20	A
Heptachlor epoxide	85		80		30-150	6		20	A
Endrin	90		87		30-150	3		20	A
Methoxychlor	97		95		30-150	2		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		84		30-150	A
Decachlorobiphenyl	89		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		81		30-150	B
Decachlorobiphenyl	107		97		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 03 Batch: WG1097572-2 WG1097572-3									
Lindane	101		98		30-150	3		20	A
Heptachlor	94		88		30-150	7		20	A
Heptachlor epoxide	90		84		30-150	7		20	A
Endrin	94		88		30-150	7		20	A
Methoxychlor	105		99		30-150	6		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		97		30-150	A
Decachlorobiphenyl	88		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		97		30-150	B
Decachlorobiphenyl	104		103		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-04,06 Batch: WG1097581-2 WG1097581-3									
2,4-D	81		75		30-150	8		30	A
2,4,5-T	82		69		30-150	17		30	A
2,4,5-TP (Silvex)	69		60		30-150	14		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	85		69		30-150	A
DCAA	85		70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 04,06 Batch: WG1097617-2 WG1097617-3									
2,4-D	96		119		30-150	21		25	A
2,4,5-TP (Silvex)	47		80		30-150	**52**	Q	25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	73		115		30-150	A
DCAA	68		96		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 03 Batch: WG1097618-2 WG1097618-3									
2,4-D	110		107		30-150	3		25	A
2,4,5-TP (Silvex)	61		62		30-150	2		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	101		91		30-150	A
DCAA	81		80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG1098017-2 WG1098017-3									
Delta-BHC	125		128		30-150	2		20	A
Lindane	112		115		30-150	3		20	A
Alpha-BHC	123		126		30-150	2		20	A
Beta-BHC	104		106		30-150	2		20	A
Heptachlor	100		98		30-150	2		20	A
Aldrin	95		92		30-150	3		20	A
Heptachlor epoxide	108		111		30-150	3		20	A
Endrin	112		116		30-150	4		20	A
Endrin aldehyde	102		110		30-150	8		20	A
Endrin ketone	118		125		30-150	6		20	A
Dieldrin	117		121		30-150	3		20	A
4,4'-DDE	110		116		30-150	5		20	A
4,4'-DDD	117		122		30-150	4		20	A
4,4'-DDT	118		126		30-150	7		20	A
Endosulfan I	108		112		30-150	4		20	A
Endosulfan II	109		113		30-150	4		20	A
Endosulfan sulfate	114		119		30-150	4		20	A
Methoxychlor	114		122		30-150	7		20	A
cis-Chlordane	92		96		30-150	4		20	A
trans-Chlordane	105		108		30-150	3		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG1098017-2 WG1098017-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		68		30-150	A
Decachlorobiphenyl	57		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		70		30-150	B
Decachlorobiphenyl	54		84		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808531
Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 08 Batch: WG1098065-2 WG1098065-3									
2,4-D	93		88		30-150	6		25	A
2,4,5-T	104		102		30-150	2		25	A
2,4,5-TP (Silvex)	98		93		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	121		113		30-150	A
DCAA	110		106		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

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: WG1098521-2 WG1098521-3									
Delta-BHC	75		83		30-150	10		30	A
Lindane	77		82		30-150	6		30	A
Alpha-BHC	82		87		30-150	6		30	A
Beta-BHC	73		83		30-150	13		30	A
Heptachlor	78		82		30-150	5		30	A
Aldrin	86		90		30-150	5		30	A
Heptachlor epoxide	81		85		30-150	5		30	A
Endrin	86		91		30-150	6		30	A
Endrin aldehyde	54		60		30-150	11		30	A
Endrin ketone	75		83		30-150	10		30	A
Dieldrin	92		99		30-150	7		30	A
4,4'-DDE	84		85		30-150	1		30	A
4,4'-DDD	78		85		30-150	9		30	A
4,4'-DDT	79		84		30-150	6		30	A
Endosulfan I	83		84		30-150	1		30	A
Endosulfan II	79		83		30-150	5		30	A
Endosulfan sulfate	41		44		30-150	7		30	A
Methoxychlor	81		90		30-150	11		30	A
cis-Chlordane	68		73		30-150	7		30	A
trans-Chlordane	57		67		30-150	16		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04 Batch: WG1098521-2 WG1098521-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		86		30-150	B
Decachlorobiphenyl	102		103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		88		30-150	A
Decachlorobiphenyl	102		96		30-150	A

METALS

Project Name: 300 WEST 122ND ST.
Lab Number: L1808531
Project Number: 170500202
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03
Client ID: WC03_COMP_13-16
Sample Location: NEW YORK, NY
Date Collected: 03/12/18 12:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%
TCLP/SPLP Ext. Date: 03/14/18 16:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.042	J	mg/l	1.00	0.019	1	03/18/18 13:38	03/19/18 22:09	EPA 3015	1,6010C	AB
Barium, TCLP	0.316	J	mg/l	0.500	0.021	1	03/18/18 13:38	03/19/18 22:09	EPA 3015	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/18/18 13:38	03/19/18 22:09	EPA 3015	1,6010C	AB
Chromium, TCLP	0.069	J	mg/l	0.200	0.021	1	03/18/18 13:38	03/19/18 22:09	EPA 3015	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	03/18/18 13:38	03/19/18 22:09	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/19/18 15:07	03/19/18 18:01	EPA 7470A	1,7470A	EA
Selenium, TCLP	0.080	J	mg/l	0.500	0.035	1	03/18/18 13:38	03/19/18 22:09	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/18/18 13:38	03/19/18 22:09	EPA 3015	1,6010C	AB

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03 Date Collected: 03/12/18 12:15

Client ID: WC03_COMP_13-16 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6000		mg/kg	9.05	2.44	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.52	0.344	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Arsenic, Total	4.30		mg/kg	0.905	0.188	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Barium, Total	79.8		mg/kg	0.905	0.157	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Beryllium, Total	0.235	J	mg/kg	0.452	0.030	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Cadmium, Total	0.371	J	mg/kg	0.905	0.089	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Calcium, Total	49600		mg/kg	9.05	3.17	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Chromium, Total	18.4		mg/kg	0.905	0.087	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Cobalt, Total	3.76		mg/kg	1.81	0.150	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Copper, Total	19.4		mg/kg	0.905	0.233	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Iron, Total	10100		mg/kg	4.52	0.817	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Lead, Total	884		mg/kg	4.52	0.242	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Magnesium, Total	3200		mg/kg	9.05	1.39	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Manganese, Total	211		mg/kg	0.905	0.144	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Mercury, Total	0.09		mg/kg	0.07	0.02	1	03/15/18 09:00	03/16/18 19:09	EPA 7471B	1,7471B	EA
Nickel, Total	10.4		mg/kg	2.26	0.219	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Potassium, Total	1160		mg/kg	226	13.0	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Selenium, Total	0.651	J	mg/kg	1.81	0.233	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.905	0.256	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Sodium, Total	540		mg/kg	181	2.85	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.81	0.285	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Vanadium, Total	16.4		mg/kg	0.905	0.184	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
Zinc, Total	73.2		mg/kg	4.52	0.265	2	03/15/18 18:30	03/16/18 15:41	EPA 3050B	1,6010C	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	18		mg/kg	0.91	0.91	1		03/16/18 15:41	NA	107,-	

Project Name: 300 WEST 122ND ST.
Lab Number: L1808531
Project Number: 170500202
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04
Client ID: WC04_COMP_13-16
Sample Location: NEW YORK, NY
Date Collected: 03/12/18 10:30
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%
TCLP/SPLP Ext. Date: 03/14/18 16:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.025	J	mg/l	1.00	0.019	1	03/17/18 17:50	03/19/18 17:01	EPA 3015	1,6010C	AB
Barium, TCLP	0.470	J	mg/l	0.500	0.021	1	03/17/18 17:50	03/19/18 17:01	EPA 3015	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/17/18 17:50	03/19/18 17:01	EPA 3015	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	03/17/18 17:50	03/19/18 17:01	EPA 3015	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	03/17/18 17:50	03/19/18 17:01	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/19/18 15:07	03/19/18 17:50	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/17/18 17:50	03/19/18 17:01	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/17/18 17:50	03/19/18 17:01	EPA 3015	1,6010C	AB

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04 Date Collected: 03/12/18 10:30

Client ID: WC04_COMP_13-16 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6700		mg/kg	8.88	2.40	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.44	0.338	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Arsenic, Total	5.53		mg/kg	0.888	0.185	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Barium, Total	72.3		mg/kg	0.888	0.154	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Beryllium, Total	0.195	J	mg/kg	0.444	0.029	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Cadmium, Total	0.400	J	mg/kg	0.888	0.087	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Calcium, Total	64800		mg/kg	8.88	3.11	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Chromium, Total	20.2		mg/kg	0.888	0.085	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Cobalt, Total	4.13		mg/kg	1.78	0.147	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Copper, Total	20.6		mg/kg	0.888	0.229	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Iron, Total	9400		mg/kg	4.44	0.802	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Lead, Total	130		mg/kg	4.44	0.238	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Magnesium, Total	3720		mg/kg	8.88	1.37	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Manganese, Total	152		mg/kg	0.888	0.141	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Mercury, Total	0.15		mg/kg	0.07	0.02	1	03/15/18 09:00	03/16/18 19:10	EPA 7471B	1,7471B	EA
Nickel, Total	11.1		mg/kg	2.22	0.215	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Potassium, Total	1020		mg/kg	222	12.8	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Selenium, Total	0.551	J	mg/kg	1.78	0.229	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.888	0.251	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Sodium, Total	454		mg/kg	178	2.80	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.78	0.280	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Vanadium, Total	17.6		mg/kg	0.888	0.180	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
Zinc, Total	79.7		mg/kg	4.44	0.260	2	03/15/18 18:30	03/16/18 15:46	EPA 3050B	1,6010C	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	19		mg/kg	0.92	0.92	1		03/16/18 15:46	NA	107,-	

Project Name: 300 WEST 122ND ST.
Lab Number: L1808531
Project Number: 170500202
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06
Client ID: WC_COMP_DUP01
Sample Location: NEW YORK, NY
Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%
TCLP/SPLP Ext. Date: 03/14/18 16:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	03/17/18 17:50	03/19/18 18:05	EPA 3015	1,6010C	AB
Barium, TCLP	0.579		mg/l	0.500	0.021	1	03/17/18 17:50	03/19/18 18:05	EPA 3015	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/17/18 17:50	03/19/18 18:05	EPA 3015	1,6010C	AB
Chromium, TCLP	0.022	J	mg/l	0.200	0.021	1	03/17/18 17:50	03/19/18 18:05	EPA 3015	1,6010C	AB
Lead, TCLP	0.065	J	mg/l	0.500	0.027	1	03/17/18 17:50	03/19/18 18:05	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/19/18 15:07	03/19/18 17:55	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/17/18 17:50	03/19/18 18:05	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/17/18 17:50	03/19/18 18:05	EPA 3015	1,6010C	AB

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06 Date Collected: 03/12/18 00:00

Client ID: WC_COMP_DUP01 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9330		mg/kg	9.17	2.48	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.58	0.348	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Arsenic, Total	6.87		mg/kg	0.917	0.191	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Barium, Total	78.2		mg/kg	0.917	0.160	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Beryllium, Total	0.339	J	mg/kg	0.458	0.030	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Cadmium, Total	0.486	J	mg/kg	0.917	0.090	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Calcium, Total	77200		mg/kg	9.17	3.21	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Chromium, Total	26.7		mg/kg	0.917	0.088	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Cobalt, Total	5.47		mg/kg	1.83	0.152	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Copper, Total	24.6		mg/kg	0.917	0.237	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Iron, Total	13200		mg/kg	4.58	0.828	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Lead, Total	138		mg/kg	4.58	0.246	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Magnesium, Total	5390		mg/kg	9.17	1.41	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Manganese, Total	180		mg/kg	0.917	0.146	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Mercury, Total	0.069	J	mg/kg	0.072	0.015	1	03/15/18 09:00	03/16/18 19:12	EPA 7471B	1,7471B	EA
Nickel, Total	14.8		mg/kg	2.29	0.222	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Potassium, Total	1050		mg/kg	229	13.2	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Selenium, Total	0.899	J	mg/kg	1.83	0.237	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.917	0.260	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Sodium, Total	501		mg/kg	183	2.89	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.83	0.289	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Vanadium, Total	31.8		mg/kg	0.917	0.186	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
Zinc, Total	75.0		mg/kg	4.58	0.269	2	03/15/18 18:30	03/16/18 15:50	EPA 3050B	1,6010C	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	25		mg/kg	0.92	0.92	1		03/16/18 15:50	NA	107,-	

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-08 Date Collected: 03/12/18 17:15

Client ID: WC_FB01_031218 Date Received: 03/13/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Arsenic, Total	ND		mg/l	0.005	0.002	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Barium, Total	ND		mg/l	0.010	0.002	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Calcium, Total	0.049	J	mg/l	0.100	0.035	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Copper, Total	ND		mg/l	0.010	0.002	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Iron, Total	ND		mg/l	0.050	0.009	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Lead, Total	ND		mg/l	0.010	0.003	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Magnesium, Total	ND		mg/l	0.100	0.015	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Manganese, Total	ND		mg/l	0.010	0.002	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/19/18 11:40	03/19/18 16:28	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.025	0.002	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Potassium, Total	ND		mg/l	2.50	0.237	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Silver, Total	ND		mg/l	0.007	0.003	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Sodium, Total	0.182	J	mg/l	2.00	0.120	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Thallium, Total	0.002	J	mg/l	0.020	0.003	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
Zinc, Total	ND		mg/l	0.050	0.002	1	03/16/18 13:40	03/19/18 15:38	EPA 3005A	1,6010C	AB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		03/19/18 15:38	NA	107,-	

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03-04,06 Batch: WG1097205-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/15/18 09:00	03/16/18 18:44	1,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03-04,06 Batch: WG1097497-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Barium, Total	ND		mg/kg	0.400	0.070	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Copper, Total	ND		mg/kg	0.400	0.103	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Iron, Total	0.888	J	mg/kg	2.00	0.361	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Lead, Total	ND		mg/kg	2.00	0.107	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Potassium, Total	ND		mg/kg	100	5.76	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Silver, Total	ND		mg/kg	0.400	0.113	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Sodium, Total	ND		mg/kg	80.0	1.26	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/15/18 18:30	03/16/18 12:11	1,6010C	PS

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08 Batch: WG1097803-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Arsenic, Total	0.002	J	mg/l	0.005	0.002	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Barium, Total	ND		mg/l	0.010	0.002	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Calcium, Total	0.051	J	mg/l	0.100	0.035	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Copper, Total	ND		mg/l	0.010	0.002	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Iron, Total	ND		mg/l	0.050	0.009	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Lead, Total	ND		mg/l	0.010	0.003	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Magnesium, Total	ND		mg/l	0.100	0.015	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Manganese, Total	ND		mg/l	0.010	0.002	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Nickel, Total	ND		mg/l	0.025	0.002	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Potassium, Total	ND		mg/l	2.50	0.237	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Silver, Total	ND		mg/l	0.007	0.003	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Sodium, Total	0.192	J	mg/l	2.00	0.120	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Thallium, Total	0.004	J	mg/l	0.020	0.003	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB
Zinc, Total	ND		mg/l	0.050	0.002	1	03/16/18 13:40	03/19/18 14:43	1,6010C	AB

Prep Information

Digestion Method: EPA 3005A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 04,06 Batch: WG1098127-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	03/17/18 17:50	03/19/18 16:39	1,6010C	AB
Barium, TCLP	ND		mg/l	0.500	0.021	1	03/17/18 17:50	03/19/18 16:39	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/17/18 17:50	03/19/18 16:39	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	03/17/18 17:50	03/19/18 16:39	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	03/17/18 17:50	03/19/18 16:39	1,6010C	AB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/17/18 17:50	03/19/18 16:39	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/17/18 17:50	03/19/18 16:39	1,6010C	AB

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 03/14/18 16:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 03 Batch: WG1098193-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	03/18/18 13:38	03/19/18 21:51	1,6010C	AB
Barium, TCLP	ND		mg/l	0.500	0.021	1	03/18/18 13:38	03/19/18 21:51	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/18/18 13:38	03/19/18 21:51	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	03/18/18 13:38	03/19/18 21:51	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	03/18/18 13:38	03/19/18 21:51	1,6010C	AB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/18/18 13:38	03/19/18 21:51	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/18/18 13:38	03/19/18 21:51	1,6010C	AB

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 03/14/18 16:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08 Batch: WG1098388-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/19/18 11:40	03/19/18 16:16	1,7470A	EA

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 04,06 Batch: WG1098481-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/19/18 15:07	03/19/18 17:46	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 03/14/18 16:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 03 Batch: WG1098484-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/19/18 15:07	03/19/18 17:57	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 03/14/18 16:42

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-04,06 Batch: WG1097205-2 SRM Lot Number: D098-540								
Mercury, Total	117		-		50-149	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-04,06 Batch: WG1097497-2 SRM Lot Number: D098-540					
Aluminum, Total	70	-	47-153	-	
Antimony, Total	144	-	6-194	-	
Arsenic, Total	95	-	83-117	-	
Barium, Total	90	-	82-118	-	
Beryllium, Total	90	-	83-117	-	
Cadmium, Total	93	-	82-117	-	
Calcium, Total	84	-	81-118	-	
Chromium, Total	90	-	83-119	-	
Cobalt, Total	93	-	84-116	-	
Copper, Total	89	-	84-116	-	
Iron, Total	84	-	60-140	-	
Lead, Total	90	-	82-117	-	
Magnesium, Total	82	-	76-124	-	
Manganese, Total	86	-	82-118	-	
Nickel, Total	91	-	82-117	-	
Potassium, Total	85	-	69-131	-	
Selenium, Total	96	-	78-121	-	
Silver, Total	97	-	80-120	-	
Sodium, Total	89	-	74-126	-	
Thallium, Total	94	-	80-119	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-04,06 Batch: WG1097497-2 SRM Lot Number: D098-540					
Zinc, Total	92	-	81-119	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG1097803-2					
Aluminum, Total	110	-	80-120	-	
Antimony, Total	102	-	80-120	-	
Arsenic, Total	118	-	80-120	-	
Barium, Total	104	-	80-120	-	
Beryllium, Total	105	-	80-120	-	
Cadmium, Total	112	-	80-120	-	
Calcium, Total	104	-	80-120	-	
Chromium, Total	106	-	80-120	-	
Cobalt, Total	103	-	80-120	-	
Copper, Total	105	-	80-120	-	
Iron, Total	103	-	80-120	-	
Lead, Total	110	-	80-120	-	
Magnesium, Total	107	-	80-120	-	
Manganese, Total	104	-	80-120	-	
Nickel, Total	105	-	80-120	-	
Potassium, Total	107	-	80-120	-	
Selenium, Total	114	-	80-120	-	
Silver, Total	106	-	80-120	-	
Sodium, Total	108	-	80-120	-	
Thallium, Total	103	-	80-120	-	
Vanadium, Total	108	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG1097803-2					
Zinc, Total	109	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,06 Batch: WG1098127-2					
Arsenic, TCLP	103	-	75-125	-	20
Barium, TCLP	93	-	75-125	-	20
Cadmium, TCLP	99	-	75-125	-	20
Chromium, TCLP	94	-	75-125	-	20
Lead, TCLP	95	-	75-125	-	20
Selenium, TCLP	106	-	75-125	-	20
Silver, TCLP	93	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03 Batch: WG1098193-2					
Arsenic, TCLP	107	-	75-125	-	20
Barium, TCLP	91	-	75-125	-	20
Cadmium, TCLP	101	-	75-125	-	20
Chromium, TCLP	94	-	75-125	-	20
Lead, TCLP	91	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	96	-	75-125	-	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG1098388-2					
Mercury, Total	91	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,06 Batch: WG1098481-2					
Mercury, TCLP	100	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03 Batch: WG1098484-2					
Mercury, TCLP	99	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-04,06 QC Batch ID: WG1097205-3 QC Sample: L1808467-03 Client ID: MS Sample												
Mercury, Total	0.10	0.165	0.29	118		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-04,06 QC Batch ID: WG1097497-3 WG1097497-4 QC Sample: L1808612-05 Client ID: MS Sample											
Aluminum, Total	1870	185	2280	**222**	Q	2380	**284**	Q	75-125	4	20
Antimony, Total	ND	46.2	43.3	94		41.6	93		75-125	4	20
Arsenic, Total	0.918	11.1	11.9	99		11.7	100		75-125	2	20
Barium, Total	147.	185	282	**73**	Q	278	**73**	Q	75-125	1	20
Beryllium, Total	0.135J	4.62	4.56	99		4.38	98		75-125	4	20
Cadmium, Total	0.270J	4.71	4.81	102		4.71	103		75-125	2	20
Calcium, Total	682.	923	1440	82		1460	87		75-125	1	20
Chromium, Total	6.39	18.5	24.8	100		25.5	107		75-125	3	20
Cobalt, Total	2.77	46.2	44.1	90		43.4	91		75-125	2	20
Copper, Total	26.0	23.1	42.9	**73**	Q	43.5	78		75-125	1	20
Iron, Total	4750	92.3	5290	**585**	Q	6120	**1530**	Q	75-125	15	20
Lead, Total	2.07J	47.1	46.9	100		46.2	101		75-125	2	20
Magnesium, Total	939.	923	1820	95		1840	100		75-125	1	20
Manganese, Total	1210	46.2	809	**0**	Q	862	**0**	Q	75-125	6	20
Nickel, Total	12.2	46.2	51.1	84		51.2	87		75-125	0	20
Potassium, Total	403.	923	1330	100		1310	101		75-125	2	20
Selenium, Total	0.567J	11.1	11.2	101		11.4	106		75-125	2	20
Silver, Total	ND	27.7	30.7	111		29.6	110		75-125	4	20
Sodium, Total	50.4J	923	1020	110		990	110		75-125	3	20
Thallium, Total	1.95	11.1	10.4	76		10.5	80		75-125	1	20
Vanadium, Total	7.57	46.2	56.2	105		56.3	109		75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-04,06 QC Batch ID: WG1097497-3 WG1097497-4 QC Sample: L1808612-05 Client ID: MS Sample									
Zinc, Total	31.3	46.2	68.6	81	69.0	84	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1097803-3 WG1097803-4 QC Sample: L1808561-17 Client ID: MS Sample											
Aluminum, Total	0.822	2	3.01	109		3.01	109		75-125	0	20
Antimony, Total	0.030J	0.5	0.560	112		0.567	113		75-125	1	20
Arsenic, Total	ND	0.12	0.145	121		0.149	124		75-125	3	20
Barium, Total	0.011	2	2.07	103		2.08	103		75-125	0	20
Beryllium, Total	ND	0.05	0.052	103		0.052	104		75-125	1	20
Cadmium, Total	ND	0.051	0.055	108		0.056	109		75-125	1	20
Calcium, Total	163.	10	171	80		173	100		75-125	1	20
Chromium, Total	ND	0.2	0.208	104		0.210	105		75-125	1	20
Cobalt, Total	ND	0.5	0.492	98		0.499	100		75-125	1	20
Copper, Total	0.005J	0.25	0.265	106		0.269	108		75-125	1	20
Iron, Total	0.913	1	1.89	98		1.91	100		75-125	1	20
Lead, Total	0.004J	0.51	0.534	105		0.541	106		75-125	1	20
Magnesium, Total	46.6	10	55.7	91		56.0	94		75-125	1	20
Manganese, Total	0.042	0.5	0.543	100		0.546	101		75-125	1	20
Nickel, Total	0.004J	0.5	0.496	99		0.503	101		75-125	1	20
Potassium, Total	14.0	10	24.5	105		24.8	108		75-125	1	20
Selenium, Total	ND	0.12	0.132	110		0.132	110		75-125	0	20
Silver, Total	ND	0.05	0.053	106		0.053	107		75-125	0	20
Sodium, Total	356.	10	356	**0**	Q	353	**0**	Q	75-125	1	20
Thallium, Total	ND	0.12	0.114	95		0.109	91		75-125	4	20
Vanadium, Total	ND	0.5	0.539	108		0.541	108		75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1097803-3 WG1097803-4 QC Sample: L1808561-17 Client ID: MS Sample									
Zinc, Total	0.019J	0.5	0.548	110	0.551	110	75-125	1	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,06 QC Batch ID: WG1098127-3 QC Sample: L1808531-04 Client ID: WC04_COMP_13-16									
Arsenic, TCLP	0.025J	1.2	1.27	106	-	-	75-125	-	20
Barium, TCLP	0.470J	20	18.3	92	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.488	96	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.78	89	-	-	75-125	-	20
Lead, TCLP	ND	5.1	4.75	93	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.35	112	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.472	94	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1098193-3 QC Sample: L1808531-03 Client ID: WC03_COMP_13-16									
Arsenic, TCLP	0.042J	1.2	1.38	115	-	-	75-125	-	20
Barium, TCLP	0.316J	20	19.4	97	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.535	105	-	-	75-125	-	20
Chromium, TCLP	0.069J	2	2.01	100	-	-	75-125	-	20
Lead, TCLP	ND	5.1	4.84	95	-	-	75-125	-	20
Selenium, TCLP	0.080J	1.2	1.33	111	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.499	100	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1098388-3 WG1098388-4 QC Sample: L1808955-05 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00513	103	0.00451	90	75-125	13	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,06 QC Batch ID: WG1098481-3 QC Sample: L1808531-04 Client ID: WC04_COMP_13-16									
Mercury, TCLP	ND	0.025	0.0249	100	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1098484-3 QC Sample: L1808531-03 Client ID: WC03_COMP_13-16									
Mercury, TCLP	ND	0.025	0.0232	93	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-04,06 QC Batch ID: WG1097205-4 QC Sample: L1808467-03 Client ID: DUP Sample						
Mercury, Total	0.10	0.07J	mg/kg	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,06 QC Batch ID: WG1098127-4 QC Sample: L1808531-04 Client ID: WC04_COMP_13-16						
Arsenic, TCLP	0.025J	0.021J	mg/l	NC		20
Barium, TCLP	0.470J	0.473J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	0.047J	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1098193-4 QC Sample: L1808531-03 Client ID: WC03_COMP_13-16						
Arsenic, TCLP	0.042J	0.036J	mg/l	NC		20
Barium, TCLP	0.316J	0.316J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	0.069J	0.060J	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	0.080J	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,06 QC Batch ID: WG1098481-4 QC Sample: L1808531-04 Client ID: WC04_COMP_13-16					
Mercury, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1098484-4 QC Sample: L1808531-03 Client ID: WC03_COMP_13-16					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03
Client ID: WC03_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 12:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/14/18 22:00	1,1030	TL

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04
Client ID: WC04_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 10:30
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/14/18 22:00	1,1030	TL

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06
Client ID: WC_COMP_DUP01
Sample Location: NEW YORK, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/14/18 22:00	1,1030	TL

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-01
Client ID: WC03_GRAB_LB12_13-15
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 11:05
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	03/14/18 19:56	121,2540G	FN

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-02
Client ID: WC04_GRAB_LB08_14-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 09:50
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.5		%	0.100	NA	1	-	03/14/18 19:56	121,2540G	FN

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-03
Client ID: WC03_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 12:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	03/14/18 19:56	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.22	1	03/15/18 20:57	03/16/18 13:05	1,9010C/9012B	LH
pH (H)	11		SU	-	NA	1	-	03/14/18 17:45	1,9045D	MA
Chromium, Hexavalent	ND		mg/kg	0.91	0.18	1	03/15/18 21:40	03/16/18 13:00	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/16/18 19:10	03/16/18 21:52	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/16/18 19:10	03/16/18 20:32	125,7.3	RM
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	03/14/18 16:51	1,9095B	AS

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-04
Client ID: WC04_COMP_13-16
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 10:30
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	03/14/18 19:56	121,2540G	FN
Cyanide, Total	0.50	J	mg/kg	1.1	0.24	1	03/15/18 20:57	03/16/18 13:09	1,9010C/9012B	LH
pH (H)	11.3		SU	-	NA	1	-	03/14/18 17:45	1,9045D	MA
Chromium, Hexavalent	1.6		mg/kg	0.92	0.18	1	03/15/18 21:40	03/16/18 13:00	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/16/18 19:10	03/16/18 21:53	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/16/18 19:10	03/16/18 20:33	125,7.3	RM

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-05
Client ID: WC_GRAB_DUP01
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	03/14/18 19:56	121,2540G	FN

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-06
Client ID: WC_COMP_DUP01
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 00:00
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	03/14/18 19:56	121,2540G	FN
Cyanide, Total	ND		mg/kg	1.1	0.24	1	03/15/18 20:57	03/16/18 13:10	1,9010C/9012B	LH
pH (H)	11.6		SU	-	NA	1	-	03/14/18 17:45	1,9045D	MA
Chromium, Hexavalent	1.6		mg/kg	0.92	0.18	1	03/15/18 21:40	03/16/18 13:00	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/16/18 19:10	03/16/18 21:53	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/16/18 19:10	03/16/18 20:33	125,7.3	RM

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

SAMPLE RESULTS

Lab ID: L1808531-08
Client ID: WC_FB01_031218
Sample Location: NEW YORK, NY

Date Collected: 03/12/18 17:15
Date Received: 03/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/14/18 15:40	03/15/18 09:40	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/14/18 05:30	03/14/18 06:21	1,7196A	JT

Project Name: 300 WEST 122ND ST. **Lab Number:** L1808531

Project Number: 170500202 **Report Date:** 03/20/18

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): 08 Batch: WG1096797-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/14/18 05:30	03/14/18 06:19	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG1096997-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/14/18 15:40	03/15/18 09:35	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 03-04,06 Batch: WG1097385-1										
Cyanide, Total	ND		mg/kg	0.83	0.18	1	03/15/18 20:57	03/16/18 12:11	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 03-04,06 Batch: WG1097559-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	03/15/18 21:40	03/16/18 13:00	1,7196A	NH
General Chemistry - Westborough Lab for sample(s): 03-04,06 Batch: WG1097908-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/16/18 19:10	03/16/18 20:30	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 03-04,06 Batch: WG1097909-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/16/18 19:10	03/16/18 21:51	125,7.3	RM

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1808531

Report Date: 03/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG1096797-2								
Chromium, Hexavalent	92		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG1096997-2 WG1096997-3								
Cyanide, Total	95		92		85-115	3		20
General Chemistry - Westborough Lab Associated sample(s): 03-04,06 Batch: WG1097086-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03-04,06 Batch: WG1097385-2 WG1097385-3								
Cyanide, Total	**67**	Q	**67**	Q	80-120	11		35
General Chemistry - Westborough Lab Associated sample(s): 03-04,06 Batch: WG1097559-2								
Chromium, Hexavalent	91		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-04,06 Batch: WG1097908-2								
Sulfide, Reactive	75		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-04,06 Batch: WG1097909-2								
Cyanide, Reactive	34		-		30-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

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): 08 QC Batch ID: WG1096797-4 QC Sample: L1808531-08 Client ID: WC_FB01_031218												
Chromium, Hexavalent	ND	0.1	0.101	101		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1096997-4 WG1096997-5 QC Sample: L1808561-02 Client ID: MS Sample												
Cyanide, Total	0.003J	0.2	0.182	91		0.190	95		80-120	4		20
General Chemistry - Westborough Lab Associated sample(s): 03-04,06 QC Batch ID: WG1097385-4 WG1097385-5 QC Sample: L1808531-03 Client ID: WC03_COMP_13-16												
Cyanide, Total	ND	11	10	90		10	90		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 03-04,06 QC Batch ID: WG1097559-4 QC Sample: L1808531-04 Client ID: WC04_COMP_13-16												
Chromium, Hexavalent	1.6	1230	1200	97		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1096797-3 QC Sample: L1808531-08 Client ID: WC_FB01_031218						
Chromium, Hexavalent	ND	0.003J	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 03-04,06 QC Batch ID: WG1097086-2 QC Sample: L1808379-01 Client ID: DUP Sample						
pH	8.5	8.5	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1097137-1 QC Sample: L1808566-01 Client ID: DUP Sample						
Solids, Total	91.8	91.7	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 03-04,06 QC Batch ID: WG1097559-6 QC Sample: L1808531-04 Client ID: WC04_COMP_13-16						
Chromium, Hexavalent	1.6	1.2	mg/kg	**29**	Q	20
General Chemistry - Westborough Lab Associated sample(s): 03-04,06 QC Batch ID: WG1097908-3 QC Sample: L1808570-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-04,06 QC Batch ID: WG1097909-3 QC Sample: L1808570-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
B	Absent
D	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1808531-01A	Vial MeOH preserved	D	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1808531-01B	Vial water preserved	D	NA		2.4	Y	Absent	14-MAR-18 06:23	NYTCL-8260HLW(14)
L1808531-01C	Vial water preserved	D	NA		2.4	Y	Absent	14-MAR-18 06:23	NYTCL-8260HLW(14)
L1808531-01D	Plastic 2oz unpreserved for TS	D	NA		2.4	Y	Absent		TS(7)
L1808531-01E	Vial Large Septa unpreserved (4oz)	D	NA		2.4	Y	Absent		TCLP-EXT-ZHE(14)
L1808531-01F	Glass 120ml/4oz unpreserved	D	NA		2.4	Y	Absent		NJEPH-TPH-CAT1(14)
L1808531-01S	Vial unpreserved Extracts	D	NA		2.4	Y	Absent		TCLP-VOA(14)
L1808531-01T	Vial unpreserved Extracts	D	NA		2.4	Y	Absent		TCLP-VOA(14)
L1808531-02A	Vial MeOH preserved	D	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1808531-02B	Vial water preserved	D	NA		2.4	Y	Absent	14-MAR-18 06:23	NYTCL-8260HLW(14)
L1808531-02C	Vial water preserved	D	NA		2.4	Y	Absent	14-MAR-18 06:23	NYTCL-8260HLW(14)
L1808531-02D	Plastic 2oz unpreserved for TS	D	NA		2.4	Y	Absent		TS(7)
L1808531-02E	Vial Large Septa unpreserved (4oz)	D	NA		2.4	Y	Absent		TCLP-EXT-ZHE(14)
L1808531-02F	Glass 120ml/4oz unpreserved	D	NA		2.4	Y	Absent		NJEPH-TPH-CAT1(14)
L1808531-02S	Vial unpreserved Extracts	D	NA		2.4	Y	Absent		TCLP-VOA(14)
L1808531-02T	Vial unpreserved Extracts	D	NA		2.4	Y	Absent		TCLP-VOA(14)
L1808531-03A	Metals Only-Glass 60mL/2oz unpreserved	D	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1808531-03B	Glass 120ml/4oz unpreserved	D	NA		2.4	Y	Absent		HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1808531-03C	Glass 120ml/4oz unpreserved	D	NA		2.4	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14)
L1808531-03D	Glass 250ml/8oz unpreserved	D	NA		2.4	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14)
L1808531-03E	Glass 500ml/16oz unpreserved	D	NA		2.4	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14)
L1808531-03W	Amber 1000ml unpreserved Extracts	D	NA		2.4	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1808531-03X	Plastic 120ml HNO3 preserved Extracts	D	NA		2.4	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1808531-03X9	Tumble Vessel	D	NA		2.4	Y	Absent		-
L1808531-04A	Metals Only-Glass 60mL/2oz unpreserved	D	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1808531-04B	Glass 120ml/4oz unpreserved	D	NA		2.4	Y	Absent		HEXCR-7196(30)
L1808531-04C	Glass 250ml/8oz unpreserved	D	NA		2.4	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808531-04D	Glass 500ml/16oz unpreserved	D	NA		2.4	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808531-04W	Amber 1000ml unpreserved Extracts	D	NA		2.4	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1808531-04X	Plastic 120ml HNO3 preserved Extracts	D	NA		2.4	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1808531-04X9	Tumble Vessel	D	NA		2.4	Y	Absent		-
L1808531-05A	Vial MeOH preserved	D	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1808531-05B	Vial water preserved	D	NA		2.4	Y	Absent	**14-MAR-18 06:23**	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1808531-05C	Vial water preserved	D	NA		2.4	Y	Absent	**14-MAR-18 06:23**	NYTCL-8260HLW(14)
L1808531-05D	Plastic 2oz unpreserved for TS	D	NA		2.4	Y	Absent		TS(7)
L1808531-05E	Vial Large Septa unpreserved (4oz)	D	NA		2.4	Y	Absent		TCLP-EXT-ZHE(14)
L1808531-05F	Glass 120ml/4oz unpreserved	D	NA		2.4	Y	Absent		NJEPH-TPH-CAT1(14)
L1808531-05S	Vial unpreserved Extracts	D	NA		2.4	Y	Absent		TCLP-VOA(14)
L1808531-05T	Vial unpreserved Extracts	D	NA		2.4	Y	Absent		TCLP-VOA(14)
L1808531-06A	Metals Only-Glass 60mL/2oz unpreserved	D	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1808531-06B	Glass 120ml/4oz unpreserved	D	NA		2.4	Y	Absent		HEXCR-7196(30)
L1808531-06C	Glass 250ml/8oz unpreserved	D	NA		2.4	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808531-06D	Glass 500ml/16oz unpreserved	D	NA		2.4	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1808531-06W	Amber 1000ml unpreserved Extracts	D	NA		2.4	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1808531-06X	Plastic 120ml HNO3 preserved Extracts	D	NA		2.4	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1808531-06X9	Tumble Vessel	D	NA		2.4	Y	Absent		-
L1808531-07A	Vial HCl preserved	D	NA		2.4	Y	Absent		NYTCL-8260(14)
L1808531-07B	Vial HCl preserved	D	NA		2.4	Y	Absent		NYTCL-8260(14)
L1808531-08A	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260(14)
L1808531-08B	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260(14)
L1808531-08C	Vial HCl preserved	B	NA		2.7	Y	Absent		NYTCL-8260(14)
L1808531-08D	Plastic 250ml HNO3 preserved	B	<2	<2	2.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1808531
Report Date: 03/20/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1808531-08E	Plastic 250ml NaOH preserved	B	>12	>12	2.7	Y	Absent		TCN-9010(14)
L1808531-08F	Plastic 250ml unpreserved	B	7	7	2.7	Y	Absent		HEXCR-7196(1)
L1808531-08G	Amber 500ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8081(7)
L1808531-08H	Amber 500ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8081(7)
L1808531-08I	Amber 1000ml unpreserved	B	NA		2.7	Y	Absent		HOLD-CONTINGENCY(7)
L1808531-08J	Amber 1000ml unpreserved	B	7	7	2.7	Y	Absent		HERB-APA(7)
L1808531-08K	Amber 1000ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8270(7)
L1808531-08L	Amber 1000ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8270(7)
L1808531-08M	Amber 1000ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8082-1200ML(7)
L1808531-08N	Amber 1000ml unpreserved	B	7	7	2.7	Y	Absent		NYTCL-8082-1200ML(7)
L1808531-08O	Amber 1000ml HCl preserved	B	<2	<2	2.7	Y	Absent		NJEPH-TPH-CAT1(14)
L1808531-08P	Amber 1000ml HCl preserved	B	<2	<2	2.7	Y	Absent		NJEPH-TPH-CAT1(14)
L1808531-08S	Vial unpreserved Extracts	B	NA		2.7	Y	Absent		HOLD-CONTINGENCY(7)
L1808531-08T	Vial unpreserved Extracts	B	NA		2.7	Y	Absent		HOLD-CONTINGENCY(7)
L1808531-08W	Amber 1000ml unpreserved Extracts	B	NA		2.7	Y	Absent		HOLD-CONTINGENCY(7)
L1808531-08X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.7	Y	Absent		HOLD-METAL(180)
L1808531-08X9	Tumble Vessel	B	NA		2.7	Y	Absent		HOLD-CONTINGENCY(7)

*Values in parentheses indicate holding time in days

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1808531
Project Number:	170500202	**Report Date:**	03/20/18

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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
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

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

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.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1808531
Project Number:	170500202	**Report Date:**	03/20/18

Data Qualifiers

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.

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:	300 WEST 122ND ST.	**Lab Number:**	L1808531
Project Number:	170500202	**Report Date:**	03/20/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

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

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
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.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, 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, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

WASTE CHARACTERIZATION - SOIL

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/13/18

ALPHA Job #: L1808531

Client Information
Client: [illegible], DDC
Address:
Phone:
Fax:
Email: GWKA@ANDAN.COM

Project Information
Project Name: 300 WEST 122ND ST.
Project Location: NEW YORK, NY
Project #: 170500202
(Use Project name as Project #) ☐
Project Manager: GREGWKA
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	EPH	TAL Metals	TCL Pest + Herbs	PCBs	1,4-Dioxane (SIM)	TAL Metals + Mercury (Manual)	Sample Specific Comments	Total Bottle
L1808531-01	WC03_GRAB_USE2_13-15	3/12/18	1105	Soil		X	X	X						(2) 4oz. (3) TERRA CORE (1) 5035	
-02	WC04_GRAB_USE2_14-16		930	Soil		X	X	X							
-03	WC03_COMP_13-16		1215	Soil					X	X	X	X	X	PAINT FILTER (1) 4oz. (2) 2oz. (1) 40z.	
-04	WC04_COMP_13-16		1030	Soil					X	X	X	X	X	(1) 250mL (1) 4oz. (1) 2oz.	
-05	WC_GRAB_DUP01	-	-	Soil		X	X	X						(2) 4oz. (3) TERRA CORE (1) 5035 PLASTIC	
-06	WC_COMP_DUP01	-	-	Soil					X	X	X	X	X	(1) 250mL (1) 4oz. (1) 2oz.	
-07	WC_TB02_031218	-	-	Aq.			X							(2) 40mL	
-08	WC_FB01_031218	-	-	Aq.	⊥	X	X	X	X	X	X	X	X	VARIOUS	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type			
Preservative			

Relinquished By:	Date/Time	Received By:	Date/Time
	3/13/18 9:20		3/13/18 9:20
	3/13/18 12:07		3/13/18 1911
	3/13/18 1910		3/13/18 2300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1809600
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	300 WEST 122ND ST.
Project Number:	170500202
Report Date:	03/27/18

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), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1809600-01	LMW16_032018	WATER	NEW YORK, NY	03/20/18 14:45	03/20/18

Project Name: 300 WEST 122ND ST. **Lab Number:** L1809600
Project Number: 170500202 **Report Date:** 03/27/18

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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:	300 WEST 122ND ST.	**Lab Number:**	L1809600
Project Number:	170500202	**Report Date:**	03/27/18

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.

Volatile Organics by Method 624

L1809600-01: The sample has elevated detection limits due to the dilution required by the sample matrix. Sample is cloudy.

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: Amita Naik

Title: Technical Director/Representative Date: 03/27/18

ORGANICS

VOLATILES

Project Name: 300 WEST 122ND ST. **Lab Number:** L1809600

Project Number: 170500202 **Report Date:** 03/27/18

SAMPLE RESULTS

Lab ID: L1809600-01 D
Client ID: LMW16_032018
Sample Location: NEW YORK, NY

Date Collected: 03/20/18 14:45
Date Received: 03/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 5,624
Analytical Date: 03/23/18 11:32
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	1.6	J	ug/l	3.8	0.55	2.5
Carbon tetrachloride	ND		ug/l	2.5	0.81	2.5
Tetrachloroethene	3.0	J	ug/l	3.8	0.83	2.5
1,1,1-Trichloroethane	ND		ug/l	5.0	0.74	2.5
Benzene	ND		ug/l	2.5	0.57	2.5
Toluene	ND		ug/l	2.5	0.81	2.5
Ethylbenzene	ND		ug/l	2.5	0.78	2.5
1,4-Dichlorobenzene	ND		ug/l	12	0.65	2.5
p/m-Xylene[1]	ND		ug/l	5.0	1.5	2.5
o-Xylene[1]	ND		ug/l	2.5	0.56	2.5
Xylenes, Total[1]	ND		ug/l	2.5	0.56	2.5
Methyl tert butyl Ether[1]	ND		ug/l	25	0.67	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	103		80-120
Fluorobenzene	103		80-120
4-Bromofluorobenzene	101		80-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1809600

Project Number: 170500202 **Report Date:** 03/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 03/23/18 08:48
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1100548-4					
Chloroform	ND		ug/l	1.5	0.22
Carbon tetrachloride	ND		ug/l	1.0	0.32
Tetrachloroethene	ND		ug/l	1.5	0.33
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30
Benzene	ND		ug/l	1.0	0.23
Toluene	ND		ug/l	1.0	0.32
Ethylbenzene	ND		ug/l	1.0	0.31
1,4-Dichlorobenzene	ND		ug/l	5.0	0.26
p/m-Xylene[1]	ND		ug/l	2.0	0.58
o-Xylene[1]	ND		ug/l	1.0	0.22
Xylenes, Total[1]	ND		ug/l	1.0	0.22
Methyl tert butyl Ether[1]	ND		ug/l	10	0.27

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	100		80-120
Fluorobenzene	94		80-120
4-Bromofluorobenzene	101		80-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1100548-3								
Chloroform	110		-		86-111	-		30
Carbon tetrachloride	105		-		60-112	-		30
Tetrachloroethene	95		-		80-126	-		30
1,1,1-Trichloroethane	105		-		72-109	-		30
Benzene	110		-		84-116	-		30
Toluene	100		-		83-121	-		30
Ethylbenzene	105		-		84-123	-		30
1,4-Dichlorobenzene	100		-		77-125	-		30
p/m-Xylene[1]	108		-		81-121	-		30
o-Xylene[1]	105		-		81-124	-		30
Methyl tert butyl Ether[1]	100		-		57-126	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	104				80-120
Fluorobenzene	105				80-120
4-Bromofluorobenzene	102				80-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1809600

Report Date: 03/27/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1100548-6 QC Sample: L1809551-01 Client ID: MS Sample												
Chloroform	4.1	20	28	**120**	Q	-	-		86-111	-		30
Carbon tetrachloride	ND	20	23	**115**	Q	-	-		60-112	-		30
Tetrachloroethene	7.9	20	29	106		-	-		80-126	-		30
1,1,1-Trichloroethane	ND	20	23	**115**	Q	-	-		72-109	-		30
Benzene	ND	20	23	115		-	-		84-116	-		30
Toluene	ND	20	22	110		-	-		83-121	-		30
Ethylbenzene	ND	20	23	115		-	-		84-123	-		30
1,4-Dichlorobenzene	ND	20	20	100		-	-		77-125	-		30
p/m-Xylene[1]	ND	40	44	110		-	-		81-121	-		30
o-Xylene[1]	ND	20	22	110		-	-		81-124	-		30
Methyl tert butyl ether[1]	ND	20	20	100		-	-		57-126	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	103				80-120
Fluorobenzene	102				80-120
Pentafluorobenzene	102				80-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1100548-5 QC Sample: L1809600-01 Client ID: LMW16_032018						
Chloroform	1.6J	1.5J	ug/l	NC		30
Carbon tetrachloride	ND	ND	ug/l	NC		30
Tetrachloroethene	3.0J	2.8J	ug/l	NC		30
1,1,1-Trichloroethane	ND	ND	ug/l	NC		30
Benzene	ND	ND	ug/l	NC		30
Toluene	ND	ND	ug/l	NC		30
Ethylbenzene	ND	ND	ug/l	NC		30
1,4-Dichlorobenzene	ND	ND	ug/l	NC		30
p/m-Xylene[1]	ND	ND	ug/l	NC		30
o-Xylene[1]	ND	ND	ug/l	NC		30
Xylenes, Total[1]	ND	ND	ug/l	NC		30
Methyl tert butyl Ether[1]	ND	ND	ug/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	103		103		80-120
Fluorobenzene	103		103		80-120
4-Bromofluorobenzene	101		103		80-120

SEMIVOLATILES

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1809600
Report Date: 03/27/18

SAMPLE RESULTS

Lab ID: L1809600-01
Client ID: LMW16_032018
Sample Location: NEW YORK, NY

Date Collected: 03/20/18 14:45
Date Received: 03/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 5,625
Analytical Date: 03/26/18 12:04
Analyst: EK

Extraction Method: EPA 625
Extraction Date: 03/22/18 20:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.91	1
Naphthalene	1.7	J	ug/l	2.0	0.81	1
Phenol	ND		ug/l	5.0	0.74	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	**125**	Q	10-120
4-Terphenyl-d14	109		33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1809600

Project Number: 170500202 **Report Date:** 03/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,625
Analytical Date: 03/26/18 08:23
Analyst: EK

Extraction Method: EPA 625
Extraction Date: 03/22/18 20:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1099743-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.91
Naphthalene	ND		ug/l	2.0	0.81
Phenol	ND		ug/l	5.0	0.74
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	107		10-120
4-Terphenyl-d14	103		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1809600

Report Date: 03/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1099743-2								
Acenaphthene	101		-		47-145	-		30
1,2,4-Trichlorobenzene	76		-		44-142	-		30
Hexachlorobenzene	111		-		1-152	-		30
Bis(2-chloroethyl)ether	84		-		12-158	-		30
2-Chloronaphthalene	88		-		60-118	-		30
3,3'-Dichlorobenzidine	47		-		1-262	-		30
2,4-Dinitrotoluene	118		-		39-139	-		30
2,6-Dinitrotoluene	102		-		50-158	-		30
Fluoranthene	103		-		26-137	-		30
4-Chlorophenyl phenyl ether	102		-		25-158	-		30
4-Bromophenyl phenyl ether[1]	113		-		53-127	-		30
Bis(2-chloroisopropyl)ether	99		-		36-166	-		30
Bis(2-chloroethoxy)methane	90		-		33-184	-		30
Hexachlorobutadiene	80		-		24-116	-		30
Hexachloroethane	75		-		40-113	-		30
Isophorone	95		-		21-196	-		30
Naphthalene	84		-		21-133	-		30
Nitrobenzene	87		-		35-180	-		30
n-Nitrosodi-n-propylamine	97		-		1-230	-		30
Bis(2-Ethylhexyl)phthalate	110		-		8-158	-		30
Butyl benzyl phthalate	109		-		1-152	-		30
Di-n-butylphthalate	108		-		1-118	-		30
Di-n-octylphthalate	111		-		4-146	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1099743-2								
Diethyl phthalate	106		-		1-114	-		30
Dimethyl phthalate	91		-		1-112	-		30
Benzo(a)anthracene	101		-		33-143	-		30
Benzo(a)pyrene	103		-		17-163	-		30
Benzo(b)fluoranthene	101		-		24-159	-		30
Benzo(k)fluoranthene	99		-		11-162	-		30
Chrysene	93		-		17-168	-		30
Acenaphthylene	93		-		33-145	-		30
Anthracene	99		-		27-133	-		30
Benzo(ghi)perylene	95		-		1-219	-		30
Fluorene	104		-		59-121	-		30
Phenanthrene	97		-		54-120	-		30
Dibenzo(a,h)anthracene	96		-		1-227	-		30
Indeno(1,2,3-cd)Pyrene	103		-		1-171	-		30
Pyrene	98		-		52-115	-		30
2,4,6-Trichlorophenol	102		-		37-144	-		30
P-Chloro-M-Cresol[1]	106		-		22-147	-		30
2-Chlorophenol	84		-		23-134	-		30
2,4-Dichlorophenol	95		-		39-135	-		30
2,4-Dimethylphenol	82		-		32-119	-		30
2-Nitrophenol	99		-		29-182	-		30
4-Nitrophenol	81		-		1-132	-		30
2,4-Dinitrophenol	84		-		1-191	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1099743-2								
4,6-Dinitro-o-cresol[1]	114		-		1-181	-		30
Pentachlorophenol	91		-		14-176	-		30
Phenol	43		-		5-112	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60				21-120
Phenol-d6	43				10-120
Nitrobenzene-d5	96				23-120
2-Fluorobiphenyl	94				15-120
2,4,6-Tribromophenol	**133**	Q			10-120
4-Terphenyl-d14	109				33-120

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1809600
Report Date: 03/27/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099743-3 QC Sample: L1800003-124 Client ID: MS Sample												
Acenaphthene	ND	40	36	90		-	-		47-145	-		30
1,2,4-Trichlorobenzene	ND	40	27	68		-	-		44-142	-		30
Hexachlorobenzene	ND	40	40	100		-	-		1-152	-		30
Bis(2-chloroethyl)ether	ND	40	30	75		-	-		12-158	-		30
2-Chloronaphthalene	ND	40	31	78		-	-		60-118	-		30
3,3'-Dichlorobenzidine	ND	80	35	44		-	-		1-262	-		30
2,4-Dinitrotoluene	ND	40	42	110		-	-		39-139	-		30
2,6-Dinitrotoluene	ND	40	37	93		-	-		50-158	-		30
Fluoranthene	ND	40	37	93		-	-		26-137	-		30
4-Chlorophenyl phenyl ether	ND	40	36	90		-	-		25-158	-		30
4-Bromophenyl phenyl ether[1]	ND	40	40	100		-	-		53-127	-		30
Bis(2-chloroisopropyl)ether	ND	40	35	88		-	-		36-166	-		30
Bis(2-chloroethoxy)methane	ND	40	32	80		-	-		33-184	-		30
Hexachlorobutadiene	ND	40	27	68		-	-		24-116	-		30
Hexachloroethane	ND	40	25	63		-	-		40-113	-		30
Isophorone	ND	40	34	85		-	-		21-196	-		30
Naphthalene	ND	40	30	75		-	-		21-133	-		30
Nitrobenzene	ND	40	31	78		-	-		35-180	-		30
n-Nitrosodi-n-propylamine	ND	40	35	88		-	-		1-230	-		30
Bis(2-Ethylhexyl)phthalate	ND	40	39	98		-	-		8-158	-		30
Butyl benzyl phthalate	ND	40	39	98		-	-		1-152	-		30
Di-n-butylphthalate	ND	40	38	95		-	-		1-118	-		30
Di-n-octylphthalate	ND	40	40	100		-	-		4-146	-		30
Diethyl phthalate	ND	40	38	95		-	-		1-114	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1809600
Report Date: 03/27/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099743-3 QC Sample: L1800003-124 Client ID: MS Sample												
Dimethyl phthalate	ND	40	33	83		-	-		1-112	-		30
Benzo(a)anthracene	ND	40	37	93		-	-		33-143	-		30
Benzo(a)pyrene	ND	40	37	93		-	-		17-163	-		30
Benzo(b)fluoranthene	ND	40	37	93		-	-		24-159	-		30
Benzo(k)fluoranthene	ND	40	35	88		-	-		11-162	-		30
Chrysene	ND	40	34	85		-	-		17-168	-		30
Acenaphthylene	ND	40	33	83		-	-		33-145	-		30
Anthracene	ND	40	35	88		-	-		27-133	-		30
Benzo(ghi)perylene	ND	40	35	88		-	-		1-219	-		30
Fluorene	ND	40	37	93		-	-		59-121	-		30
Phenanthrene	ND	40	35	88		-	-		54-120	-		30
Dibenzo(a,h)anthracene	ND	40	35	88		-	-		1-227	-		30
Indeno(1,2,3-cd)Pyrene	ND	40	38	95		-	-		1-171	-		30
Pyrene	ND	40	36	90		-	-		52-115	-		30
2,4,6-Trichlorophenol	ND	40	37	93		-	-		37-144	-		30
P-Chloro-M-Cresol[1]	ND	40	37	93		-	-		22-147	-		30
2-Chlorophenol	ND	40	30	75		-	-		23-134	-		30
2,4-Dichlorophenol	ND	40	34	85		-	-		39-135	-		30
2,4-Dimethylphenol	ND	40	22	55		-	-		32-119	-		30
2-Nitrophenol	ND	40	35	88		-	-		29-182	-		30
4-Nitrophenol	ND	40	28	70		-	-		1-132	-		30
2,4-Dinitrophenol	ND	40	29	73		-	-		1-191	-		30
4,6-Dinitro-o-cresol[1]	ND	40	40	100		-	-		1-181	-		30
Pentachlorophenol	ND	40	32	80		-	-		14-176	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1809600

Report Date: 03/27/18

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099743-3 QC Sample: L1800003-124 Client ID: MS Sample												
Phenol	ND	40	15	38		-	-		5-112	-		30

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
2,4,6-Tribromophenol	116				10-120
2-Fluorobiphenyl	82				15-120
2-Fluorophenol	51				21-120
4-Terphenyl-d14	98				33-120
Nitrobenzene-d5	82				23-120
Phenol-d6	37				10-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099743-4 QC Sample: L1800003-124 Client ID: DUP Sample						
Acenaphthene	ND	ND	ug/l	NC		30
Benzidine[1]	ND	ND	ug/l	NC		30
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC		30
Hexachlorobenzene	ND	ND	ug/l	NC		30
Bis(2-chloroethyl)ether	ND	ND	ug/l	NC		30
2-Chloronaphthalene	ND	ND	ug/l	NC		30
3,3'-Dichlorobenzidine	ND	ND	ug/l	NC		30
2,4-Dinitrotoluene	ND	ND	ug/l	NC		30
2,6-Dinitrotoluene	ND	ND	ug/l	NC		30
Azobenzene[1]	ND	ND	ug/l	NC		30
Fluoranthene	ND	ND	ug/l	NC		30
4-Chlorophenyl phenyl ether	ND	ND	ug/l	NC		30
4-Bromophenyl phenyl ether[1]	ND	ND	ug/l	NC		30
Bis(2-chloroisopropyl)ether	ND	ND	ug/l	NC		30
Bis(2-chloroethoxy)methane	ND	ND	ug/l	NC		30
Hexachlorobutadiene	ND	ND	ug/l	NC		30
Hexachlorocyclopentadiene[1]	ND	ND	ug/l	NC		30
Hexachloroethane	ND	ND	ug/l	NC		30
Isophorone	ND	ND	ug/l	NC		30
Naphthalene	ND	ND	ug/l	NC		30
Nitrobenzene	ND	ND	ug/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099743-4 QC Sample: L1800003-124 Client ID: DUP Sample						
NitrosoDiPhenylAmine(NDPA)/DPA[1]	ND	ND	ug/l	NC		30
n-Nitrosodi-n-propylamine	ND	ND	ug/l	NC		30
Bis(2-Ethylhexyl)phthalate	ND	ND	ug/l	NC		30
Butyl benzyl phthalate	ND	ND	ug/l	NC		30
Di-n-butylphthalate	ND	ND	ug/l	NC		30
Di-n-octylphthalate	ND	ND	ug/l	NC		30
Diethyl phthalate	ND	ND	ug/l	NC		30
Dimethyl phthalate	ND	ND	ug/l	NC		30
Benzo(a)anthracene	ND	ND	ug/l	NC		30
Benzo(a)pyrene	ND	ND	ug/l	NC		30
Benzo(b)fluoranthene	ND	ND	ug/l	NC		30
Benzo(k)fluoranthene	ND	ND	ug/l	NC		30
Chrysene	ND	ND	ug/l	NC		30
Acenaphthylene	ND	ND	ug/l	NC		30
Anthracene	ND	ND	ug/l	NC		30
Benzo(ghi)perylene	ND	ND	ug/l	NC		30
Fluorene	ND	ND	ug/l	NC		30
Phenanthrene	ND	ND	ug/l	NC		30
Dibenzo(a,h)anthracene	ND	ND	ug/l	NC		30
Indeno(1,2,3-cd)Pyrene	ND	ND	ug/l	NC		30
Pyrene	ND	ND	ug/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099743-4 QC Sample: L1800003-124 Client ID: DUP Sample						
Biphenyl[1]	ND	ND	ug/l	NC		30
Aniline[1]	ND	ND	ug/l	NC		30
4-Chloroaniline[1]	ND	ND	ug/l	NC		30
1-Methylnaphthalene[1]	ND	ND	ug/l	NC		30
2-Nitroaniline[1]	ND	ND	ug/l	NC		30
3-Nitroaniline[1]	ND	ND	ug/l	NC		30
4-Nitroaniline[1]	ND	ND	ug/l	NC		30
Dibenzofuran[1]	ND	ND	ug/l	NC		30
2-Methylnaphthalene[1]	ND	ND	ug/l	NC		30
Acetophenone[1]	ND	ND	ug/l	NC		30
n-Nitrosodimethylamine[1]	ND	ND	ug/l	NC		30
2,4,6-Trichlorophenol	ND	ND	ug/l	NC		30
P-Chloro-M-Cresol[1]	ND	ND	ug/l	NC		30
2-Chlorophenol	ND	ND	ug/l	NC		30
2,4-Dichlorophenol	ND	ND	ug/l	NC		30
2,4-Dimethylphenol	ND	ND	ug/l	NC		30
2-Nitrophenol	ND	ND	ug/l	NC		30
4-Nitrophenol	ND	ND	ug/l	NC		30
2,4-Dinitrophenol	ND	ND	ug/l	NC		30
4,6-Dinitro-o-cresol[1]	ND	ND	ug/l	NC		30
Pentachlorophenol	ND	ND	ug/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099743-4 QC Sample: L1800003-124 Client ID: DUP Sample						
Phenol	ND	ND	ug/l	NC		30
2-Methylphenol[1]	ND	ND	ug/l	NC		30
3-Methylphenol/4-Methylphenol[1]	ND	ND	ug/l	NC		30
2,4,5-Trichlorophenol[1]	ND	ND	ug/l	NC		30
Benzoic Acid[1]	ND	ND	ug/l	NC		30
Benzyl Alcohol[1]	ND	ND	ug/l	NC		30
Carbazole[1]	ND	ND	ug/l	NC		30
Pyridine[1]	ND	ND	ug/l	NC		30
n-Decane[1]	ND	ND	ug/l	NC		30
2,3,4,6-Tetrachlorophenol	ND	ND	ug/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		40		21-120
Phenol-d6	32		29		10-120
Nitrobenzene-d5	78		68		23-120
2-Fluorobiphenyl	80		74		15-120
2,4,6-Tribromophenol	109		110		10-120
4-Terphenyl-d14	105		103		33-120

PCBS

Project Name: 300 WEST 122ND ST. **Lab Number:** L1809600

Project Number: 170500202 **Report Date:** 03/27/18

SAMPLE RESULTS

Lab ID: L1809600-01
Client ID: LMW16_032018
Sample Location: NEW YORK, NY

Date Collected: 03/20/18 14:45
Date Received: 03/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 5,608
Analytical Date: 03/26/18 11:33
Analyst: HT

Extraction Method: EPA 608
Extraction Date: 03/24/18 09:14
Cleanup Method: EPA 3665A
Cleanup Date: 03/25/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/25/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	0.021	1	A
Aroclor 1221	ND		ug/l	0.050	0.028	1	A
Aroclor 1232	ND		ug/l	0.050	0.012	1	A
Aroclor 1242	ND		ug/l	0.050	0.014	1	A
Aroclor 1248	ND		ug/l	0.050	0.014	1	A
Aroclor 1254	ND		ug/l	0.050	0.022	1	A
Aroclor 1260	ND		ug/l	0.050	0.023	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	121		30-150	A
Decachlorobiphenyl	**152**	Q	30-150	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1809600

Project Number: 170500202 **Report Date:** 03/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,608
Analytical Date: 03/26/18 12:10
Analyst: HT

Extraction Method: EPA 608
Extraction Date: 03/24/18 09:14
Cleanup Method: EPA 3665A
Cleanup Date: 03/25/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/25/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1100172-1						
Aroclor 1016	ND		ug/l	0.050	0.021	A
Aroclor 1221	ND		ug/l	0.050	0.028	A
Aroclor 1232	ND		ug/l	0.050	0.012	A
Aroclor 1242	ND		ug/l	0.050	0.014	A
Aroclor 1248	ND		ug/l	0.050	0.014	A
Aroclor 1254	ND		ug/l	0.050	0.022	A
Aroclor 1260	ND		ug/l	0.050	0.023	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	65		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1809600

Report Date: 03/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1100172-2									
Aroclor 1016	88		-		30-150	-		30	A
Aroclor 1260	89		-		30-150	-		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71				30-150	A
Decachlorobiphenyl	87				30-150	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1809600

Report Date: 03/27/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1100172-3 QC Sample: L1800003-131 Client ID: MS Sample													
Aroclor 1016	ND	1.56	1.25	80		-	-		40-126	-		30	A
Aroclor 1260	ND	1.56	0.993	64		-	-		40-127	-		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74				30-150	A
Decachlorobiphenyl	48				30-150	A

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits	
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1100172-4 QC Sample: L1800003-131 Client ID: DUP Sample							
Aroclor 1016	ND	ND	ug/l	NC		30	A
Aroclor 1221	ND	ND	ug/l	NC		30	A
Aroclor 1232	ND	ND	ug/l	NC		30	A
Aroclor 1242	ND	ND	ug/l	NC		30	A
Aroclor 1248	ND	ND	ug/l	NC		30	A
Aroclor 1254	ND	ND	ug/l	NC		30	A
Aroclor 1260	ND	ND	ug/l	NC		30	A
PCBs, Total	ND	ND	ug/l	NC		30	A

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		68		30-150	A
Decachlorobiphenyl	78		44		30-150	A

METALS

Project Name: 300 WEST 122ND ST.
Lab Number: L1809600
Project Number: 170500202
Report Date: 03/27/18

SAMPLE RESULTS

Lab ID: L1809600-01
Client ID: LMW16_032018
Sample Location: NEW YORK, NY
Date Collected: 03/20/18 14:45
Date Received: 03/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Cadmium, Total	ND		mg/l	0.005	0.001	1	03/22/18 08:45	03/23/18 15:16	EPA 3005A	19,200.7	AB
Copper, Total	ND		mg/l	0.010	0.002	1	03/22/18 08:45	03/23/18 15:16	EPA 3005A	19,200.7	AB
Lead, Total	0.003	J	mg/l	0.010	0.003	1	03/22/18 08:45	03/23/18 15:16	EPA 3005A	19,200.7	AB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/22/18 14:21	03/22/18 21:36	EPA 245.1	3,245.1	MG
Nickel, Total	ND		mg/l	0.025	0.002	1	03/22/18 08:45	03/23/18 15:16	EPA 3005A	19,200.7	AB
Zinc, Total	0.002	J	mg/l	0.050	0.002	1	03/22/18 08:45	03/23/18 15:16	EPA 3005A	19,200.7	AB

Project Name: 300 WEST 122ND ST. **Lab Number:** L1809600

Project Number: 170500202 **Report Date:** 03/27/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1099447-1										
Cadmium, Total	ND		mg/l	0.005	0.001	1	03/22/18 08:45	03/23/18 07:56	19,200.7	AB
Copper, Total	ND		mg/l	0.010	0.002	1	03/22/18 08:45	03/23/18 07:56	19,200.7	AB
Lead, Total	ND		mg/l	0.010	0.003	1	03/22/18 08:45	03/23/18 07:56	19,200.7	AB
Nickel, Total	ND		mg/l	0.025	0.002	1	03/22/18 08:45	03/23/18 07:56	19,200.7	AB
Zinc, Total	0.002	J	mg/l	0.050	0.002	1	03/22/18 08:45	03/23/18 07:56	19,200.7	AB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1099622-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/22/18 14:21	03/22/18 20:48	3,245.1	MG

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1809600

Report Date: 03/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1099447-2								
Cadmium, Total	103		-		85-115	-		
Copper, Total	96		-		85-115	-		
Lead, Total	102		-		85-115	-		
Nickel, Total	95		-		85-115	-		
Zinc, Total	101		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1099622-2								
Mercury, Total	96		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1099447-3 QC Sample: L1809460-01 Client ID: MS Sample												
Cadmium, Total	ND	0.051	0.052	101		-	-		75-125	-		20
Copper, Total	0.009J	0.25	0.259	104		-	-		75-125	-		20
Lead, Total	0.029	0.51	0.532	99		-	-		75-125	-		20
Nickel, Total	0.003J	0.5	0.469	94		-	-		75-125	-		20
Zinc, Total	0.078	0.5	0.575	99		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1099447-7 QC Sample: L1809665-01 Client ID: MS Sample												
Cadmium, Total	ND	0.051	0.051	99		-	-		75-125	-		20
Copper, Total	ND	0.25	0.258	103		-	-		75-125	-		20
Lead, Total	ND	0.51	0.491	96		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.451	90		-	-		75-125	-		20
Zinc, Total	0.013J	0.5	0.498	100		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1099622-3 WG1099622-4 QC Sample: L1809174-01 Client ID: MS Sample												
Mercury, Total	0.00009J	0.005	0.00427	85		0.00449	90		70-130	5		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1099622-5 WG1099622-6 QC Sample: L1809174-02 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00428	86		0.00441	88		70-130	3		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1099447-4 QC Sample: L1809460-01 Client ID: DUP Sample						
Cadmium, Total	ND	ND	mg/l	NC		20
Copper, Total	0.009J	0.009J	mg/l	NC		20
Lead, Total	0.029	0.028	mg/l	5		20
Nickel, Total	0.003J	0.003J	mg/l	NC		20
Zinc, Total	0.078	0.076	mg/l	3		20

INORGANICS
&
MISCELLANEOUS

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

SAMPLE RESULTS

Lab ID: L1809600-01
Client ID: LMW16_032018
Sample Location: NEW YORK, NY

Date Collected: 03/20/18 14:45
Date Received: 03/20/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	1100		mg/l	10	NA	1	-	03/21/18 10:30	121,2540B	SD
Solids, Total Suspended	28.		mg/l	5.0	NA	1	-	03/23/18 10:00	121,2540D	JT
Chloride	250		mg/l	10	2.0	10	-	03/26/18 20:51	121,4500CL-E	ML
pH (H)	7.2		SU	-	NA	1	-	03/21/18 04:55	121,4500H+-B	UN
Nitrogen, Nitrate/Nitrite	2.5		mg/l	0.10	0.033	1	-	03/21/18 18:55	44,353.2	MR
Total Nitrogen	3.4		mg/l	0.30	0.30	1	-	03/26/18 10:56	107,-	JO
Nitrogen, Total Kjeldahl	0.938		mg/l	0.300	0.066	1	03/21/18 14:00	03/21/18 20:17	121,4500NH3-H	AT
CBOD, 5 day	4.3		mg/l	2.0	NA	1	03/21/18 07:20	03/26/18 11:55	121,5210B	TE
Non-Polar Material by EPA 1664	ND		mg/l	4.00	1.24	1	03/24/18 08:30	03/24/18 10:00	74,1664A	KZ
Flash Point	>150		deg F	70	NA	1	-	03/23/18 09:25	1,1010A	BR
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/21/18 06:00	03/21/18 06:29	121,3500CR-B	UN

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1809600
Report Date: 03/27/18

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 Batch: WG1099074-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/21/18 06:00	03/21/18 06:23	121,3500CR-B	UN
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1099091-1										
CBOD, 5 day	ND		mg/l	2.0	NA	1	03/21/18 07:20	03/26/18 11:55	121,5210B	TE
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1099129-1										
Solids, Total	ND		mg/l	10	NA	1	-	03/21/18 10:30	121,2540B	SD
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1099137-1										
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.022	1	03/21/18 14:00	03/21/18 20:03	121,4500NH3-H	AT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1099290-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.033	1	-	03/21/18 17:58	44,353.2	MR
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1099843-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/23/18 10:00	121,2540D	JT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1100174-1										
Non-Polar Material by EPA 1664	ND		mg/l	4.00	1.24	1	03/24/18 08:30	03/24/18 10:00	74,1664A	KZ
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1100595-1										
Chloride	0.41	J	mg/l	1.0	0.20	1	-	03/26/18 19:49	121,4500CL-E	ML

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1809600

Report Date: 03/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1099074-2								
Chromium, Hexavalent	94		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1099079-1								
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1099091-2								
CBOD, 5 day	84		-		47-104	-		49
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1099129-2								
Solids, Total	92		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1099137-2								
Nitrogen, Total Kjeldahl	99		-		78-122	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1099290-2								
Nitrogen, Nitrate/Nitrite	102		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1099990-1								
Flash Point	102		-		96-104	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1809600

Report Date: 03/27/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1100174-2					
Non-Polar Material by EPA 1664	88	-	64-132	-	34
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1100595-2					
Chloride	100	-	90-110	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

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 QC Batch ID: WG1099074-4 QC Sample: L1809600-01 Client ID: LMW16_032018												
Chromium, Hexavalent	ND	0.1	0.092	92		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099091-4 QC Sample: L1809600-01 Client ID: LMW16_032018												
CBOD, 5 day	4.3	100	95	91		-	-		36-125	-		49
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099137-4 QC Sample: L1809484-01 Client ID: MS Sample												
Nitrogen, Total Kjeldahl	36.4	8	42.0	**70**	Q	-	-		77-111	-		24
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099290-4 QC Sample: L1809366-02 Client ID: MS Sample												
Nitrogen, Nitrate/Nitrite	1.9	4	5.6	92		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1100174-4 QC Sample: L1809766-01 Client ID: MS Sample												
Non-Polar Material by EPA 1664	ND	20	16.4	82		-	-		64-132	-		34
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1100595-4 QC Sample: L1809620-03 Client ID: MS Sample												
Chloride	21.	20	42	105		-	-		58-140	-		7

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099074-3 QC Sample: L1809600-01 Client ID: LMW16_032018						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099079-2 QC Sample: L1809551-01 Client ID: DUP Sample						
pH	7.2	7.2	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099091-3 QC Sample: L1809600-01 Client ID: LMW16_032018						
CBOD, 5 day	4.3	5.9	mg/l	31		49
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099129-3 QC Sample: L1809551-01 Client ID: DUP Sample						
Solids, Total	1000	1100	mg/l	10		16
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099137-3 QC Sample: L1809484-01 Client ID: DUP Sample						
Nitrogen, Total Kjeldahl	36.4	36.0	mg/l	1		24
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099290-3 QC Sample: L1809366-02 Client ID: DUP Sample						
Nitrogen, Nitrate/Nitrite	1.9	1.9	mg/l	0		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099843-2 QC Sample: L1809427-01 Client ID: DUP Sample						
Solids, Total Suspended	45.	47	mg/l	4		29
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1100174-3 QC Sample: L1809551-01 Client ID: DUP Sample						
Non-Polar Material by EPA 1664	ND	ND	mg/l	NC		34
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1100595-3 QC Sample: L1809620-03 Client ID: DUP Sample						
Chloride	21.	21	mg/l	0		7

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1809600
Report Date: 03/27/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1809600-01A	Vial Na2S2O3 preserved	A	NA		5.1	Y	Absent		624-NYDEP(7)
L1809600-01B	Vial Na2S2O3 preserved	A	NA		5.1	Y	Absent		624-NYDEP(7)
L1809600-01C	Vial Na2S2O3 preserved	A	NA		5.1	Y	Absent		624-NYDEP(7)
L1809600-01D	Plastic 250ml HNO3 preserved	A	<2	<2	5.1	Y	Absent		NI-UI(180),ZN-UI(180),HG-U(28),CD-UI(180),CU-UI(180),PB-UI(180)
L1809600-01E	Plastic 250ml H2SO4 preserved	A	<2	<2	5.1	Y	Absent		TKN-4500(28),NO3/NO2-353(28),TNITROGEN(28)
L1809600-01F	Amber 250ml unpreserved	A	7	7	5.1	Y	Absent		FLASH()
L1809600-01G	Plastic 950ml unpreserved	A	7	7	5.1	Y	Absent		TSC-2540(7),CL-4500(28),HEXCR-3500(1),CBOD5(2),PH-4500(.01)
L1809600-01H	Plastic 950ml unpreserved	A	7	7	5.1	Y	Absent		TSC-2540(7),CL-4500(28),HEXCR-3500(1),CBOD5(2),PH-4500(.01)
L1809600-01I	Plastic 950ml unpreserved	A	7	7	5.1	Y	Absent		TSS-2540(7)
L1809600-01J	Amber 1000ml HCl preserved	A	NA		5.1	Y	Absent		NYTPH-1664(28)
L1809600-01K	Amber 1000ml HCl preserved	A	NA		5.1	Y	Absent		NYTPH-1664(28)
L1809600-01L	Amber 1000ml Na2S2O3	A	7	7	5.1	Y	Absent		625-NYDEP(7)
L1809600-01M	Amber 1000ml Na2S2O3	A	7	7	5.1	Y	Absent		625-NYDEP(7)
L1809600-01N	Amber 1000ml Na2S2O3	A	7	7	5.1	Y	Absent		NYPCB-608-2L(7)
L1809600-01O	Amber 1000ml Na2S2O3	A	7	7	5.1	Y	Absent		NYPCB-608-2L(7)

*Values in parentheses indicate holding time in days

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1809600
Project Number:	170500202	**Report Date:**	03/27/18

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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
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

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

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.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1809600
Project Number:	170500202	**Report Date:**	03/27/18

Data Qualifiers

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.

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:	300 WEST 122ND ST.	**Lab Number:**	L1809600
Project Number:	170500202	**Report Date:**	03/27/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

74 Method 1664,Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 1999.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
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.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, 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; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, 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, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

GROUNDWATER SAMPLES – NYC DEP PARAMETERS

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/21/18

ALPHA Job #: L1809600

Client Information
Client: LANGAN, DPC
Address:
Phone:
Fax:
Email: GWYKA@LANGAN.COM

Project Information
Project Name: 300 WEST 122ND ST.
Project Location: NEW YORK, NY
Project #: 170502202
(Use Project name as Project #) ☐
Project Manager: GREG WYKA
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☒ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYC DEP SEWER DISCHARGE PARAMETERS	Total Bottle	Sample Specific Comments
09600-01	LMW116_032018	3/20/18	1445	GW	[illegible]	X		MULTIPLE INTERVALS/GROUP

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type										
Preservative	✓									

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	3/20/18 1850	Romelk Jackson AAT	3/20 1850
[illegible]		[illegible]	[illegible]
[illegible]	3/20 2159		
[illegible]	3/21 1020	[illegible]	3/21/18 02:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1816379
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	300 WEST 122ND STREET
Project Number:	170500202
Report Date:	05/16/18

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), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1816379-01	WC04_GRAB_TP02_9-11	SOIL	NEW YORK, NY	05/07/18 14:00	05/07/18
L1816379-02	WC04_GRAB_TP02_11-13	SOIL	NEW YORK, NY	05/07/18 14:00	05/07/18
L1816379-03	WC04_GRAB_TP01_9-11	SOIL	NEW YORK, NY	05/07/18 13:20	05/07/18
L1816379-04	WC04_GRAB_TP01_7-9	SOIL	NEW YORK, NY	05/07/18 13:20	05/07/18
L1816379-05	WC04_GRAB_TP01_11-13	SOIL	NEW YORK, NY	05/07/18 13:20	05/07/18
L1816379-06	WC03_GRAB_TP04_9-11	SOIL	NEW YORK, NY	05/07/18 16:00	05/07/18
L1816379-07	WC03_GRAB_TP04_11-13	SOIL	NEW YORK, NY	05/07/18 16:00	05/07/18
L1816379-08	WC03_GRAB_TP03_9-10	SOIL	NEW YORK, NY	05/07/18 15:45	05/07/18
L1816379-09	WC03_GRAB_TP03_11-13	SOIL	NEW YORK, NY	05/07/18 15:45	05/07/18
L1816379-10	WC03_GRAB_TP03_10-11	SOIL	NEW YORK, NY	05/07/18 15:45	05/07/18
L1816379-11	WC04_COMP_7-13	SOIL	NEW YORK, NY	05/07/18 13:50	05/07/18
L1816379-12	WC04_GRAB_TP01_7-9	SOIL	NEW YORK, NY	05/07/18 12:20	05/07/18
L1816379-13	WC03_COMP_9-13	SOIL	NEW YORK, NY	05/07/18 15:30	05/07/18
L1816379-14	WC03_GRAB_TP03_9-11	SOIL	NEW YORK, NY	05/07/18 15:30	05/07/18

Project Name:	300 WEST 122ND STREET	**Lab Number:**	L1816379
Project Number:	170500202	**Report Date:**	05/16/18

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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:	300 WEST 122ND STREET	**Lab Number:**	L1816379
Project Number:	170500202	**Report Date:**	05/16/18

Case Narrative (continued)

Report Submission

May 16, 2018: This final report includes the results of all requested analyses.

May 14, 2018: This is a preliminary report.

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

Sample Receipt

The project name, sample location and analyses performed were specified by the client.

L1816379-13: The collection time was specified by the client.

Total Metals

L1816379-11 and -13: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Cyanide, Total

The WG1114207-2/-3 LCS/LCSD recoveries (79%/64%), associated with L1816379-11, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1114208-2/-3 LCS/LCSD recoveries (78%/65%), associated with L1816379-13, are outside 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: Amita Naik

Title: Technical Director/Representative Date: 05/16/18

ORGANICS

VOLATILES

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-12 Date Collected: 05/07/18 12:20
Client ID: WC04_GRAB_TP01_7-9 Date Received: 05/07/18
Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/10/18 11:01
Analyst: MKS
Percent Solids: 86%
TCLP/SPLP Ext. Date: 05/09/18 14:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
dibromofluoromethane	111		70-130

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-12 Date Collected: 05/07/18 12:20
Client ID: WC04_GRAB_TP01_7-9 Date Received: 05/07/18
Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/10/18 14:05
Analyst: JC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.6	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.21	1
Chloroform	ND		ug/kg	1.1	0.28	1
Carbon tetrachloride	ND		ug/kg	0.76	0.26	1
1,2-Dichloropropane	ND		ug/kg	2.7	0.17	1
Dibromochloromethane	ND		ug/kg	0.76	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.24	1
Tetrachloroethene	ND		ug/kg	0.76	0.23	1
Chlorobenzene	ND		ug/kg	0.76	0.27	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.32	1
1,2-Dichloroethane	ND		ug/kg	0.76	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	0.76	0.27	1
Bromodichloromethane	ND		ug/kg	0.76	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	0.76	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	0.76	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.76	0.16	1
1,1-Dichloropropene	ND		ug/kg	3.8	0.25	1
Bromoform	ND		ug/kg	3.0	0.18	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.76	0.23	1
Benzene	ND		ug/kg	0.76	0.15	1
Toluene	ND		ug/kg	1.1	0.15	1
Ethylbenzene	ND		ug/kg	0.76	0.13	1
Chloromethane	ND		ug/kg	3.8	0.33	1
Bromomethane	ND		ug/kg	1.5	0.26	1
Vinyl chloride	ND		ug/kg	1.5	0.24	1
Chloroethane	ND		ug/kg	1.5	0.24	1
1,1-Dichloroethene	ND		ug/kg	0.76	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	0.18	1

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-12 Date Collected: 05/07/18 12:20

Client ID: WC04_GRAB_TP01_7-9 Date Received: 05/07/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.76	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	3.8	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	3.8	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	3.8	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.5	0.12	1
p/m-Xylene	ND		ug/kg	1.5	0.27	1
o-Xylene	ND		ug/kg	1.5	0.26	1
Xylenes, Total	ND		ug/kg	1.5	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.76	0.26	1
Dibromomethane	ND		ug/kg	7.6	0.18	1
Styrene	ND		ug/kg	1.5	0.31	1
Dichlorodifluoromethane	ND		ug/kg	7.6	0.38	1
Acetone	9.3		ug/kg	7.6	1.8	1
Carbon disulfide	ND		ug/kg	7.6	0.84	1
2-Butanone	ND		ug/kg	7.6	0.53	1
Vinyl acetate	ND		ug/kg	7.6	0.12	1
4-Methyl-2-pentanone	ND		ug/kg	7.6	0.19	1
1,2,3-Trichloropropane	ND		ug/kg	7.6	0.14	1
2-Hexanone	ND		ug/kg	7.6	0.51	1
Bromochloromethane	ND		ug/kg	3.8	0.27	1
2,2-Dichloropropane	ND		ug/kg	3.8	0.34	1
1,2-Dibromoethane	ND		ug/kg	3.0	0.15	1
1,3-Dichloropropane	ND		ug/kg	3.8	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.76	0.24	1
Bromobenzene	ND		ug/kg	3.8	0.17	1
n-Butylbenzene	ND		ug/kg	0.76	0.17	1
sec-Butylbenzene	ND		ug/kg	0.76	0.17	1
tert-Butylbenzene	ND		ug/kg	3.8	0.19	1
o-Chlorotoluene	ND		ug/kg	3.8	0.17	1
p-Chlorotoluene	ND		ug/kg	3.8	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	0.30	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.27	1
Isopropylbenzene	ND		ug/kg	0.76	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.76	0.15	1
Naphthalene	ND		ug/kg	3.8	0.10	1
Acrylonitrile	ND		ug/kg	7.6	0.39	1
Tert-Butyl Alcohol	2.6	J	ug/kg	46	2.2	1

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-12 Date Collected: 05/07/18 12:20

Client ID: WC04_GRAB_TP01_7-9 Date Received: 05/07/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.76	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.8	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.8	0.16	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.8	0.12	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.8	0.14	1
Methyl Acetate	ND		ug/kg	15	0.35	1
Acrolein	ND		ug/kg	19	6.2	1
Cyclohexane	ND		ug/kg	15	0.33	1
1,4-Dioxane	ND		ug/kg	30	11.	1
Freon-113	ND		ug/kg	15	0.39	1
p-Diethylbenzene	ND		ug/kg	3.0	3.0	1
p-Ethyltoluene	ND		ug/kg	3.0	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.0	0.12	1
Ethyl ether	ND		ug/kg	3.8	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.8	0.30	1
Methyl cyclohexane	ND		ug/kg	3.0	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-14 Date Collected: 05/07/18 15:30
Client ID: WC03_GRAB_TP03_9-11 Date Received: 05/07/18
Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/10/18 11:31
Analyst: MKS
Percent Solids: 87%
TCLP/SPLP Ext. Date: 05/09/18 14:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	108		70-130
dibromofluoromethane	112		70-130

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-14 Date Collected: 05/07/18 15:30
Client ID: WC03_GRAB_TP03_9-11 Date Received: 05/07/18
Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/10/18 14:30
Analyst: BD
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.3	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.37	1
Chloroform	ND		ug/kg	2.0	0.51	1
Carbon tetrachloride	ND		ug/kg	1.4	0.47	1
1,2-Dichloropropane	ND		ug/kg	4.8	0.31	1
Dibromochloromethane	ND		ug/kg	1.4	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.43	1
Tetrachloroethene	ND		ug/kg	1.4	0.41	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
Trichlorofluoromethane	ND		ug/kg	6.8	0.57	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.48	1
Bromodichloromethane	ND		ug/kg	1.4	0.42	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.32	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.28	1
1,1-Dichloropropene	ND		ug/kg	6.8	0.45	1
Bromoform	ND		ug/kg	5.5	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.41	1
Benzene	ND		ug/kg	1.4	0.26	1
Toluene	ND		ug/kg	2.0	0.27	1
Ethylbenzene	ND		ug/kg	1.4	0.23	1
Chloromethane	ND		ug/kg	6.8	0.60	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.43	1
Chloroethane	ND		ug/kg	2.7	0.43	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.51	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.33	1

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-14 Date Collected: 05/07/18 15:30

Client ID: WC03_GRAB_TP03_9-11 Date Received: 05/07/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.4	0.41	1
1,2-Dichlorobenzene	ND		ug/kg	6.8	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.8	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	6.8	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.21	1
p/m-Xylene	ND		ug/kg	2.7	0.48	1
o-Xylene	ND		ug/kg	2.7	0.46	1
Xylenes, Total	ND		ug/kg	2.7	0.46	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.47	1
Dibromomethane	ND		ug/kg	14	0.33	1
Styrene	ND		ug/kg	2.7	0.55	1
Dichlorodifluoromethane	ND		ug/kg	14	0.68	1
Acetone	21		ug/kg	14	3.1	1
Carbon disulfide	ND		ug/kg	14	1.5	1
2-Butanone	ND		ug/kg	14	0.94	1
Vinyl acetate	ND		ug/kg	14	0.21	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.24	1
2-Hexanone	ND		ug/kg	14	0.91	1
Bromochloromethane	ND		ug/kg	6.8	0.49	1
2,2-Dichloropropane	ND		ug/kg	6.8	0.62	1
1,2-Dibromoethane	ND		ug/kg	5.5	0.27	1
1,3-Dichloropropane	ND		ug/kg	6.8	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.44	1
Bromobenzene	ND		ug/kg	6.8	0.30	1
n-Butylbenzene	ND		ug/kg	1.4	0.31	1
sec-Butylbenzene	ND		ug/kg	1.4	0.30	1
tert-Butylbenzene	ND		ug/kg	6.8	0.34	1
o-Chlorotoluene	ND		ug/kg	6.8	0.30	1
p-Chlorotoluene	ND		ug/kg	6.8	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.8	0.54	1
Hexachlorobutadiene	ND		ug/kg	6.8	0.48	1
Isopropylbenzene	ND		ug/kg	1.4	0.26	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.28	1
Naphthalene	ND		ug/kg	6.8	0.19	1
Acrylonitrile	ND		ug/kg	14	0.70	1
Tert-Butyl Alcohol	ND		ug/kg	82	4.0	1

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-14 Date Collected: 05/07/18 15:30

Client ID: WC03_GRAB_TP03_9-11 Date Received: 05/07/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.29	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.8	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.8	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.8	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.8	0.25	1
Methyl Acetate	ND		ug/kg	27	0.63	1
Acrolein	ND		ug/kg	34	11.	1
Cyclohexane	ND		ug/kg	27	0.59	1
1,4-Dioxane	ND		ug/kg	55	20.	1
Freon-113	ND		ug/kg	27	0.70	1
p-Diethylbenzene	ND		ug/kg	5.5	5.5	1
p-Ethyltoluene	ND		ug/kg	5.5	0.32	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.5	0.21	1
Ethyl ether	ND		ug/kg	6.8	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	0.54	1
Methyl cyclohexane	ND		ug/kg	5.5	0.33	1

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

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/18 09:00
Analyst: MM
TCLP/SPLP Extraction Date: 05/09/18 14:21

Extraction Date: 05/09/18 14:21

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 12,14 Batch: WG1114529-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	108		70-130
dibromofluoromethane	108		70-130

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/18 08:29
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12,14 Batch: WG1114584-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	0.38	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/18 08:29
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12,14 Batch: WG1114584-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22
p-Chlorotoluene	ND		ug/kg	5.0	0.18

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/18 08:29
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12,14 Batch: WG1114584-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	0.36	J	ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	0.26	J	ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
Methyl Acetate	ND		ug/kg	20	0.46
Acrolein	ND		ug/kg	25	8.0
Cyclohexane	ND		ug/kg	20	0.43
1,4-Dioxane	ND		ug/kg	40	14.
Freon-113	ND		ug/kg	20	0.51
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
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	0.24

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/10/18 08:29
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12,14 Batch: WG1114584-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 12,14 Batch: WG1114529-3 WG1114529-4								
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
Tetrachloroethene	96		96		70-130	0		20
Chlorobenzene	94		96		75-130	2		25
1,2-Dichloroethane	94		96		70-130	2		20
Benzene	95		97		70-130	2		25
Vinyl chloride	84		86		55-140	2		20
1,1-Dichloroethene	100		100		61-145	0		25
Trichloroethene	100		100		70-130	0		25
1,4-Dichlorobenzene	91		92		70-130	1		20
2-Butanone	72		70		63-138	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		106		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	106		105		70-130
dibromofluoromethane	105		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12,14 Batch: WG1114584-3 WG1114584-4								
Methylene chloride	101		100		70-130	1		30
1,1-Dichloroethane	112		110		70-130	2		30
Chloroform	113		110		70-130	3		30
Carbon tetrachloride	117		113		70-130	3		30
1,2-Dichloropropane	108		106		70-130	2		30
Dibromochloromethane	107		108		70-130	1		30
1,1,2-Trichloroethane	97		96		70-130	1		30
Tetrachloroethene	115		112		70-130	3		30
Chlorobenzene	112		109		70-130	3		30
Trichlorofluoromethane	117		112		70-139	4		30
1,2-Dichloroethane	108		108		70-130	0		30
1,1,1-Trichloroethane	116		113		70-130	3		30
Bromodichloromethane	110		109		70-130	1		30
trans-1,3-Dichloropropene	103		104		70-130	1		30
cis-1,3-Dichloropropene	112		109		70-130	3		30
1,1-Dichloropropene	116		110		70-130	5		30
Bromoform	100		98		70-130	2		30
1,1,2,2-Tetrachloroethane	103		102		70-130	1		30
Benzene	111		108		70-130	3		30
Toluene	107		104		70-130	3		30
Ethylbenzene	107		104		70-130	3		30
Chloromethane	112		107		52-130	5		30
Bromomethane	118		113		57-147	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12,14 Batch: WG1114584-3 WG1114584-4								
Vinyl chloride	116		108		67-130	7		30
Chloroethane	118		111		50-151	6		30
1,1-Dichloroethene	112		107		65-135	5		30
trans-1,2-Dichloroethene	115		111		70-130	4		30
Trichloroethene	113		111		70-130	2		30
1,2-Dichlorobenzene	107		103		70-130	4		30
1,3-Dichlorobenzene	109		106		70-130	3		30
1,4-Dichlorobenzene	106		104		70-130	2		30
Methyl tert butyl ether	102		102		66-130	0		30
p/m-Xylene	110		108		70-130	2		30
o-Xylene	111		110		70-130	1		30
cis-1,2-Dichloroethene	116		112		70-130	4		30
Dibromomethane	110		108		70-130	2		30
Styrene	108		106		70-130	2		30
Dichlorodifluoromethane	119		113		30-146	5		30
Acetone	89		88		54-140	1		30
Carbon disulfide	106		102		59-130	4		30
2-Butanone	80		82		70-130	2		30
Vinyl acetate	108		104		70-130	4		30
4-Methyl-2-pentanone	94		95		70-130	1		30
1,2,3-Trichloropropane	99		100		68-130	1		30
2-Hexanone	94		93		70-130	1		30
Bromochloromethane	118		117		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12,14 Batch: WG1114584-3 WG1114584-4								
2,2-Dichloropropane	110		106		70-130	4		30
1,2-Dibromoethane	107		108		70-130	1		30
1,3-Dichloropropane	108		106		69-130	2		30
1,1,1,2-Tetrachloroethane	110		110		70-130	0		30
Bromobenzene	108		105		70-130	3		30
n-Butylbenzene	107		103		70-130	4		30
sec-Butylbenzene	107		102		70-130	5		30
tert-Butylbenzene	107		103		70-130	4		30
o-Chlorotoluene	108		104		70-130	4		30
p-Chlorotoluene	104		101		70-130	3		30
1,2-Dibromo-3-chloropropane	96		92		68-130	4		30
Hexachlorobutadiene	108		103		67-130	5		30
Isopropylbenzene	107		104		70-130	3		30
p-Isopropyltoluene	106		103		70-130	3		30
Naphthalene	106		100		70-130	6		30
Acrylonitrile	99		102		70-130	3		30
Tert-Butyl Alcohol	92		94		70-130	2		30
n-Propylbenzene	105		101		70-130	4		30
1,2,3-Trichlorobenzene	109		105		70-130	4		30
1,2,4-Trichlorobenzene	110		107		70-130	3		30
1,3,5-Trimethylbenzene	105		100		70-130	5		30
1,2,4-Trimethylbenzene	104		101		70-130	3		30
Methyl Acetate	94		91		51-146	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12,14 Batch: WG1114584-3 WG1114584-4								
Acrolein	102		98		70-130	4		30
Cyclohexane	107		101		59-142	6		30
1,4-Dioxane	95		94		65-136	1		30
Freon-113	120		115		50-139	4		30
p-Diethylbenzene	106		102		70-130	4		30
p-Ethyltoluene	106		102		70-130	4		30
1,2,4,5-Tetramethylbenzene	104		101		70-130	3		30
Ethyl ether	104		110		67-130	6		30
trans-1,4-Dichloro-2-butene	90		94		70-130	4		30
Methyl cyclohexane	106		102		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	102		102		70-130

SEMIVOLATILES

Project Name: 300 WEST 122ND STREET
Lab Number: L1816379
Project Number: 170500202
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-11
Client ID: WC04_COMP_7-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 13:50
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/11/18 14:55
Analyst: CB
Percent Solids: 84%
TCLP/SPLP Ext. Date: 05/09/18 10:46

Extraction Method: EPA 3510C
Extraction Date: 05/10/18 07:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	71		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	91		33-120

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-11
Client ID: WC04_COMP_7-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 13:50
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/11/18 18:59
Analyst: PS
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 05/09/18 13:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Benzidine	ND		ug/kg	640	210	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Azobenzene	ND		ug/kg	190	19.	1
Fluoranthene	400		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	270		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	430		ug/kg	190	67.	1
Butyl benzyl phthalate	830		ug/kg	190	49.	1

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-11 Date Collected: 05/07/18 13:50
Client ID: WC04_COMP_7-13 Date Received: 05/07/18
Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	200		ug/kg	120	22.	1
Benzo(a)pyrene	180		ug/kg	160	47.	1
Benzo(b)fluoranthene	240		ug/kg	120	33.	1
Benzo(k)fluoranthene	95	J	ug/kg	120	31.	1
Chrysene	250		ug/kg	120	20.	1
Acenaphthylene	34	J	ug/kg	160	30.	1
Anthracene	60	J	ug/kg	120	38.	1
Benzo(ghi)perylene	140	J	ug/kg	160	23.	1
Fluorene	33	J	ug/kg	190	19.	1
Phenanthrene	370		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	34	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	130	J	ug/kg	160	27.	1
Pyrene	360		ug/kg	120	19.	1
Biphenyl	58	J	ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	33	J	ug/kg	190	18.	1
2-Methylnaphthalene	250		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	59	J	ug/kg	190	24.	1
n-Nitrosodimethylamine	ND		ug/kg	390	37.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-11 Date Collected: 05/07/18 13:50

Client ID: WC04_COMP_7-13 Date Received: 05/07/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	36	J	ug/kg	190	19.	1
Atrazine	ND		ug/kg	160	68.	1
Benzaldehyde	ND		ug/kg	260	52.	1
Caprolactam	ND		ug/kg	190	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	85		18-120

Project Name: 300 WEST 122ND STREET
Lab Number: L1816379
Project Number: 170500202
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-13
Client ID: WC03_COMP_9-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 15:30
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/12/18 18:59
Analyst: KR
Percent Solids: 79%
TCLP/SPLP Ext. Date: 05/09/18 10:46

Extraction Method: EPA 3510C
Extraction Date: 05/10/18 07:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		21-120
Phenol-d6	74		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	82		33-120

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-13
Client ID: WC03_COMP_9-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 15:30
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/11/18 16:44
Analyst: CB
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 05/09/18 13:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	100	J	ug/kg	160	21.	1
Benzidine	ND		ug/kg	670	220	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Azobenzene	ND		ug/kg	200	20.	1
Fluoranthene	2100		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	120	J	ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-13 Date Collected: 05/07/18 15:30

Client ID: WC03_COMP_9-13 Date Received: 05/07/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	950		ug/kg	120	23.	1
Benzo(a)pyrene	760		ug/kg	160	50.	1
Benzo(b)fluoranthene	1000		ug/kg	120	34.	1
Benzo(k)fluoranthene	350		ug/kg	120	32.	1
Chrysene	940		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	330		ug/kg	120	40.	1
Benzo(ghi)perylene	530		ug/kg	160	24.	1
Fluorene	100	J	ug/kg	200	20.	1
Phenanthrene	1300		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	130		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	580		ug/kg	160	28.	1
Pyrene	1700		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	56	J	ug/kg	200	19.	1
2-Methylnaphthalene	120	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
n-Nitrosodimethylamine	ND		ug/kg	410	39.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	980	95.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-13 Date Collected: 05/07/18 15:30

Client ID: WC03_COMP_9-13 Date Received: 05/07/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	82	J	ug/kg	200	20.	1
Atrazine	ND		ug/kg	160	71.	1
Benzaldehyde	ND		ug/kg	270	55.	1
Caprolactam	ND		ug/kg	200	62.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	30		10-136
4-Terphenyl-d14	84		18-120

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/10/18 20:26
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 05/09/18 13:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11,13 Batch: WG1114154-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	540	180
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Azobenzene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/10/18 20:26
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 05/09/18 13:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11,13 Batch: WG1114154-1					
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
n-Nitrosodimethylamine	ND		ug/kg	330	32.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/10/18 20:26
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 05/09/18 13:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11,13 Batch: WG1114154-1					
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/10/18 20:26
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 05/09/18 13:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11,13 Batch: WG1114154-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	85		18-120

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/11/18 13:43
Analyst: CB
TCLP/SPLP Extraction Date: 05/09/18 10:46

Extraction Method: EPA 3510C
Extraction Date: 05/10/18 07:41

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 11,13 Batch: WG1114415-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		21-120
Phenol-d6	82		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	104		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11,13 Batch: WG1114154-2 WG1114154-3								
Acenaphthene	76		82		31-137	8		50
Benzidine	40		53		10-66	28		50
1,2,4-Trichlorobenzene	70		77		38-107	10		50
Hexachlorobenzene	71		84		40-140	17		50
Bis(2-chloroethyl)ether	74		79		40-140	7		50
2-Chloronaphthalene	72		80		40-140	11		50
1,2-Dichlorobenzene	71		73		40-140	3		50
1,3-Dichlorobenzene	69		72		40-140	4		50
1,4-Dichlorobenzene	70		71		28-104	1		50
3,3'-Dichlorobenzidine	52		61		40-140	16		50
2,4-Dinitrotoluene	76		90		40-132	17		50
2,6-Dinitrotoluene	73		88		40-140	19		50
Azobenzene	78		88		40-140	12		50
Fluoranthene	75		90		40-140	18		50
4-Chlorophenyl phenyl ether	74		84		40-140	13		50
4-Bromophenyl phenyl ether	76		88		40-140	15		50
Bis(2-chloroisopropyl)ether	75		81		40-140	8		50
Bis(2-chloroethoxy)methane	73		83		40-117	13		50
Hexachlorobutadiene	72		76		40-140	5		50
Hexachlorocyclopentadiene	73		82		40-140	12		50
Hexachloroethane	69		72		40-140	4		50
Isophorone	73		82		40-140	12		50
Naphthalene	74		78		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11,13 Batch: WG1114154-2 WG1114154-3								
Nitrobenzene	71		78		40-140	9		50
NDPA/DPA	74		86		36-157	15		50
n-Nitrosodi-n-propylamine	74		81		32-121	9		50
Bis(2-ethylhexyl)phthalate	80		98		40-140	20		50
Butyl benzyl phthalate	76		102		40-140	29		50
Di-n-butylphthalate	75		94		40-140	22		50
Di-n-octylphthalate	82		103		40-140	23		50
Diethyl phthalate	73		87		40-140	18		50
Dimethyl phthalate	72		87		40-140	19		50
Benzo(a)anthracene	74		85		40-140	14		50
Benzo(a)pyrene	77		87		40-140	12		50
Benzo(b)fluoranthene	78		86		40-140	10		50
Benzo(k)fluoranthene	75		86		40-140	14		50
Chrysene	74		85		40-140	14		50
Acenaphthylene	76		86		40-140	12		50
Anthracene	77		87		40-140	12		50
Benzo(ghi)perylene	77		81		40-140	5		50
Fluorene	76		84		40-140	10		50
Phenanthrene	75		85		40-140	13		50
Dibenzo(a,h)anthracene	77		83		40-140	8		50
Indeno(1,2,3-cd)pyrene	77		80		40-140	4		50
Pyrene	74		89		35-142	18		50
Biphenyl	75		83		54-104	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11,13 Batch: WG1114154-2 WG1114154-3								
4-Chloroaniline	63		75		40-140	17		50
2-Nitroaniline	76		88		47-134	15		50
3-Nitroaniline	56		68		26-129	19		50
4-Nitroaniline	71		85		41-125	18		50
Dibenzofuran	76		82		40-140	8		50
2-Methylnaphthalene	76		82		40-140	8		50
1,2,4,5-Tetrachlorobenzene	75		82		40-117	9		50
Acetophenone	75		81		14-144	8		50
n-Nitrosodimethylamine	69		71		22-100	3		50
2,4,6-Trichlorophenol	76		87		30-130	13		50
p-Chloro-m-cresol	77		87		26-103	12		50
2-Chlorophenol	74		81		25-102	9		50
2,4-Dichlorophenol	76		86		30-130	12		50
2,4-Dimethylphenol	77		86		30-130	11		50
2-Nitrophenol	75		84		30-130	11		50
4-Nitrophenol	80		91		11-114	13		50
2,4-Dinitrophenol	64		80		4-130	22		50
4,6-Dinitro-o-cresol	82		100		10-130	20		50
Pentachlorophenol	63		78		17-109	21		50
Phenol	75		82		26-90	9		50
2-Methylphenol	76		83		30-130.	9		50
3-Methylphenol/4-Methylphenol	74		83		30-130	11		50
2,4,5-Trichlorophenol	75		88		30-130	16		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11,13 Batch: WG1114154-2 WG1114154-3								
Benzoic Acid	69		78		10-110	12		50
Benzyl Alcohol	75		83		40-140	10		50
Carbazole	76		88		54-128	15		50
Atrazine	74		92		40-140	22		50
Benzaldehyde	68		71		40-140	4		50
Caprolactam	88		102		15-130	15		50
2,3,4,6-Tetrachlorophenol	77		89		40-140	14		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		77		25-120
Phenol-d6	73		78		10-120
Nitrobenzene-d5	71		77		23-120
2-Fluorobiphenyl	74		84		30-120
2,4,6-Tribromophenol	72		86		10-136
4-Terphenyl-d14	77		99		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 11,13 Batch: WG1114415-2 WG1114415-3								
Hexachlorobenzene	91		98		40-140	7		30
2,4-Dinitrotoluene	94		102		40-132	8		30
Hexachlorobutadiene	72		78		28-111	8		30
Hexachloroethane	64		71		21-105	10		30
Nitrobenzene	77		86		40-140	11		30
2,4,6-Trichlorophenol	94		102		30-130	8		30
Pentachlorophenol	97		102		9-103	5		30
2-Methylphenol	83		92		30-130	10		30
3-Methylphenol/4-Methylphenol	89		98		30-130	10		30
2,4,5-Trichlorophenol	99		107		30-130	8		30
Pyridine	32		54		10-66	**51**	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		80		21-120
Phenol-d6	81		84		10-120
Nitrobenzene-d5	80		82		23-120
2-Fluorobiphenyl	92		91		15-120
2,4,6-Tribromophenol	105		101		10-120
4-Terphenyl-d14	103		93		33-120

PETROLEUM HYDROCARBONS

Project Name: 300 WEST 122ND STREET
Lab Number: L1816379
Project Number: 170500202
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-12
Client ID: WC04_GRAB_TP01_7-9
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 12:20
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 05/12/18 11:32
Analyst: DG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 06:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	208		mg/kg	27.4	27.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	82		40-140
o-Terphenyl	80		40-140

Project Name: 300 WEST 122ND STREET
Lab Number: L1816379
Project Number: 170500202
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-14
Client ID: WC03_GRAB_TP03_9-11
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 15:30
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 05/12/18 12:03
Analyst: DG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 06:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	357		mg/kg	26.6	26.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	84		40-140
o-Terphenyl	83		40-140

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 05/11/18 09:42
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 05/10/18 16:28

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 12,14 Batch: WG1114645-1					
Total EPH	ND		mg/kg	23.5	23.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	81		40-140
o-Terphenyl	80		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 12,14 Batch: WG1114645-2 WG1114645-3								
Total EPH	101		99		40-140	2		25
Nonane (C9)	68		72		40-140	6		25
Decane (C10)	83		90		40-140	8		25
Dodecane (C12)	76		82		40-140	8		25
Tetradecane (C14)	79		84		40-140	6		25
Hexadecane (C16)	87		87		40-140	0		25
Octadecane (C18)	94		89		40-140	5		25
Eicosane (C20)	95		90		40-140	5		25
Heneicosane (C21)	96		90		40-140	6		25
Docosane (C22)	96		90		40-140	6		25
Tetracosane (C24)	97		90		40-140	7		25
Hexacosane (C26)	96		90		40-140	6		25
Octacosane (C28)	95		89		40-140	7		25
Triacontane (C30)	95		89		40-140	7		25
Dotriacontane (C32)	96		90		40-140	6		25
Tetratriacontane (C34)	94		89		40-140	5		25
Hexatriacontane (C36)	98		93		40-140	5		25
Octatriacontane (C38)	100		96		40-140	4		25
Tetracontane (C40)	100		97		40-140	3		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 12,14 Batch: WG1114645-2 WG1114645-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	88		82		40-140
o-Terphenyl	85		81		40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 12,14 QC Batch ID: WG1114645-4 QC Sample: L1816516-01 Client ID: MS Sample												
Total EPH	1850	256	2780	**363**	Q	-	-		40-140	-		50
Nonane (C9)	ND	7.12	5.22	73		-	-		40-140	-		50
Decane (C10)	ND	7.12	5.84	82		-	-		40-140	-		50
Dodecane (C12)	ND	7.12	9.82	138		-	-		40-140	-		50
Tetradecane (C14)	ND	7.12	20.6	**289**	Q	-	-		40-140	-		50
Hexadecane (C16)	ND	7.12	17.3	**243**	Q	-	-		40-140	-		50
Octadecane (C18)	ND	7.12	12.5	**175**	Q	-	-		40-140	-		50
Eicosane (C20)	ND	7.12	10.3	**145**	Q	-	-		40-140	-		50
Heneicosane (C21)	ND	7.12	8.66	122		-	-		40-140	-		50
Docosane (C22)	ND	7.12	8.62	121		-	-		40-140	-		50
Tetracosane (C24)	ND	7.12	7.34	103		-	-		40-140	-		50
Hexacosane (C26)	ND	7.12	7.11	100		-	-		40-140	-		50
Octacosane (C28)	ND	7.12	6.92	97		-	-		40-140	-		50
Triacontane (C30)	ND	7.12	6.79	95		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.12	6.88	97		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.12	6.72	94		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.12	6.94	97		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.12	7.22	101		-	-		40-140	-		50
Tetracontane (C40)	ND	7.12	7.94	111		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	89				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 12,14 QC Batch ID: WG1114645-4 QC Sample: L1816516-01 Client ID: MS Sample												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
o-Terphenyl	105				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 12,14 QC Batch ID: WG1114645-5 QC Sample: L1816516-01 Client ID: DUP Sample						
Total EPH	1850	3860	mg/kg	**70**	Q	50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	74		138		40-140
o-Terphenyl	80		138		40-140

PCBS

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-11
Client ID: WC04_COMP_7-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 13:50
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/11/18 18:53
Analyst: WR
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 05/10/18 17:54
Cleanup Method: EPA 3665A
Cleanup Date: 05/11/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.0	4.42	1	A
Aroclor 1221	ND		ug/kg	39.0	5.94	1	A
Aroclor 1232	ND		ug/kg	39.0	3.84	1	A
Aroclor 1242	ND		ug/kg	39.0	4.77	1	A
Aroclor 1248	ND		ug/kg	39.0	4.38	1	A
Aroclor 1254	7.35	J	ug/kg	39.0	3.18	1	B
Aroclor 1260	ND		ug/kg	39.0	4.07	1	B
Aroclor 1262	ND		ug/kg	39.0	3.20	1	A
Aroclor 1268	ND		ug/kg	39.0	2.76	1	A
PCBs, Total	7.35	J	ug/kg	39.0	2.76	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-13
Client ID: WC03_COMP_9-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 15:30
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/11/18 23:25
Analyst: WR
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 06:34
Cleanup Method: EPA 3665A
Cleanup Date: 05/11/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.2	4.67	1	A
Aroclor 1221	ND		ug/kg	41.2	6.27	1	A
Aroclor 1232	ND		ug/kg	41.2	4.06	1	A
Aroclor 1242	ND		ug/kg	41.2	5.04	1	A
Aroclor 1248	ND		ug/kg	41.2	4.62	1	A
Aroclor 1254	20.0	J	ug/kg	41.2	3.36	1	A
Aroclor 1260	25.4	J	ug/kg	41.2	4.30	1	B
Aroclor 1262	ND		ug/kg	41.2	3.39	1	A
Aroclor 1268	10.2	J	ug/kg	41.2	2.92	1	B
PCBs, Total	55.6	J	ug/kg	41.2	2.92	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/11/18 18:15
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 05/10/18 17:54
Cleanup Method: EPA 3665A
Cleanup Date: 05/11/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 11 Batch: WG1114676-1						
Aroclor 1016	ND		ug/kg	31.7	3.60	A
Aroclor 1221	ND		ug/kg	31.7	4.83	A
Aroclor 1232	ND		ug/kg	31.7	3.12	A
Aroclor 1242	ND		ug/kg	31.7	3.88	A
Aroclor 1248	ND		ug/kg	31.7	3.56	A
Aroclor 1254	ND		ug/kg	31.7	2.59	A
Aroclor 1260	ND		ug/kg	31.7	3.31	A
Aroclor 1262	ND		ug/kg	31.7	2.61	A
Aroclor 1268	ND		ug/kg	31.7	2.25	A
PCBs, Total	ND		ug/kg	31.7	2.25	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/11/18 21:55
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 05/11/18 04:40
Cleanup Method: EPA 3665A
Cleanup Date: 05/11/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 13 Batch: WG1114774-1						
Aroclor 1016	ND		ug/kg	33.1	3.75	A
Aroclor 1221	ND		ug/kg	33.1	5.04	A
Aroclor 1232	ND		ug/kg	33.1	3.26	A
Aroclor 1242	ND		ug/kg	33.1	4.05	A
Aroclor 1248	ND		ug/kg	33.1	3.72	A
Aroclor 1254	ND		ug/kg	33.1	2.70	A
Aroclor 1260	ND		ug/kg	33.1	3.46	A
Aroclor 1262	ND		ug/kg	33.1	2.72	A
Aroclor 1268	ND		ug/kg	33.1	2.34	A
PCBs, Total	ND		ug/kg	33.1	2.34	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	87		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 11 Batch: WG1114676-2 WG1114676-3									
Aroclor 1016	90		94		40-140	4		50	A
Aroclor 1260	71		76		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		98		30-150	A
Decachlorobiphenyl	58		61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		102		30-150	B
Decachlorobiphenyl	72		74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 13 Batch: WG1114774-2 WG1114774-3									
Aroclor 1016	89		87		40-140	2		50	A
Aroclor 1260	91		93		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		100		30-150	A
Decachlorobiphenyl	91		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		96		30-150	B
Decachlorobiphenyl	95		96		30-150	B

PESTICIDES

Project Name: 300 WEST 122ND STREET
Lab Number: L1816379
Project Number: 170500202
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-11
Client ID: WC04_COMP_7-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 13:50
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/11/18 19:07
Analyst: KEG
Percent Solids: 84%
TCLP/SPLP Ext. Date: 05/09/18 10:46

Extraction Method: EPA 3510C
Extraction Date: 05/10/18 07:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1816379
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-11
Client ID: WC04_COMP_7-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 13:50
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/11/18 18:16
Analyst: KEG
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 05/10/18 19:12
Cleanup Method: EPA 3620B
Cleanup Date: 05/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.367	1	A
Lindane	ND		ug/kg	0.781	0.349	1	A
Alpha-BHC	ND		ug/kg	0.781	0.222	1	A
Beta-BHC	ND		ug/kg	1.87	0.711	1	A
Heptachlor	ND		ug/kg	0.937	0.420	1	A
Aldrin	ND		ug/kg	1.87	0.660	1	A
Heptachlor epoxide	ND		ug/kg	3.51	1.05	1	A
Endrin	ND		ug/kg	0.781	0.320	1	A
Endrin aldehyde	ND		ug/kg	2.34	0.820	1	A
Endrin ketone	ND		ug/kg	1.87	0.483	1	A
Dieldrin	ND		ug/kg	1.17	0.586	1	A
4,4'-DDE	ND		ug/kg	1.87	0.433	1	A
4,4'-DDD	ND		ug/kg	1.87	0.668	1	A
4,4'-DDT	ND		ug/kg	3.51	1.51	1	A
Endosulfan I	ND		ug/kg	1.87	0.443	1	A
Endosulfan II	ND	PI	ug/kg	1.87	0.626	1	A
Endosulfan sulfate	ND		ug/kg	0.781	0.372	1	A
Methoxychlor	ND		ug/kg	3.51	1.09	1	A
Toxaphene	ND		ug/kg	35.1	9.84	1	A
cis-Chlordane	ND		ug/kg	2.34	0.653	1	A
trans-Chlordane	ND	PI	ug/kg	2.34	0.618	1	A
Chlordane	ND		ug/kg	15.2	6.21	1	A

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-11 Date Collected: 05/07/18 13:50

Client ID: WC04_COMP_7-13 Date Received: 05/07/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	89		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-11
Client ID: WC04_COMP_7-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 13:50
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/13/18 18:10
Analyst: SL
Percent Solids: 84%
TCLP/SPLP Ext. Date: 05/09/18 10:46
Methylation Date: 05/11/18 10:52

Extraction Method: EPA 8151A
Extraction Date: 05/11/18 03:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	81		30-150	B

Project Name: 300 WEST 122ND STREET
Lab Number: L1816379
Project Number: 170500202
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-11
Client ID: WC04_COMP_7-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 13:50
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/11/18 22:31
Analyst: SL
Percent Solids: 84%
Methylation Date: 05/10/18 12:59

Extraction Method: EPA 8151A
Extraction Date: 05/09/18 13:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	198	12.5	1	A
2,4,5-T	ND		ug/kg	198	6.14	1	A
2,4,5-TP (Silvex)	ND		ug/kg	198	5.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	140		30-150	B

Project Name: 300 WEST 122ND STREET
Lab Number: L1816379
Project Number: 170500202
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-13
Client ID: WC03_COMP_9-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 15:30
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/11/18 19:20
Analyst: KEG
Percent Solids: 79%
TCLP/SPLP Ext. Date: 05/09/18 10:46

Extraction Method: EPA 3510C
Extraction Date: 05/10/18 07:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1816379
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-13
Client ID: WC03_COMP_9-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 15:30
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/13/18 23:43
Analyst: KEG
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 06:33
Cleanup Method: EPA 3620B
Cleanup Date: 05/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.99	0.389	1	A
Lindane	ND		ug/kg	0.828	0.370	1	A
Alpha-BHC	ND		ug/kg	0.828	0.235	1	A
Beta-BHC	ND		ug/kg	1.99	0.754	1	A
Heptachlor	0.868	J	ug/kg	0.994	0.446	1	A
Aldrin	0.739	J	ug/kg	1.99	0.700	1	B
Heptachlor epoxide	ND		ug/kg	3.73	1.12	1	A
Endrin	ND		ug/kg	0.828	0.340	1	A
Endrin aldehyde	ND		ug/kg	2.48	0.870	1	A
Endrin ketone	ND		ug/kg	1.99	0.512	1	A
Dieldrin	1.19	J	ug/kg	1.24	0.621	1	B
4,4'-DDE	2.11	P	ug/kg	1.99	0.460	1	B
4,4'-DDD	ND		ug/kg	1.99	0.709	1	A
4,4'-DDT	1.78	J	ug/kg	3.73	1.60	1	A
Endosulfan I	ND		ug/kg	1.99	0.470	1	A
Endosulfan II	ND		ug/kg	1.99	0.664	1	A
Endosulfan sulfate	ND		ug/kg	0.828	0.394	1	A
Methoxychlor	ND		ug/kg	3.73	1.16	1	A
Toxaphene	ND		ug/kg	37.3	10.4	1	A
cis-Chlordane	4.11	PI	ug/kg	2.48	0.693	1	B
trans-Chlordane	3.07	PI	ug/kg	2.48	0.656	1	A
Chlordane	41.7	P	ug/kg	16.2	6.59	1	B

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-13 Date Collected: 05/07/18 15:30

Client ID: WC03_COMP_9-13 Date Received: 05/07/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	92		30-150	A

Project Name: 300 WEST 122ND STREET
Lab Number: L1816379
Project Number: 170500202
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-13
Client ID: WC03_COMP_9-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 15:30
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/13/18 18:28
Analyst: SL
Percent Solids: 79%
TCLP/SPLP Ext. Date: 05/09/18 10:46
Methylation Date: 05/11/18 10:52

Extraction Method: EPA 8151A
Extraction Date: 05/11/18 03:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	80		30-150	A
DCAA	85		30-150	B

Project Name: 300 WEST 122ND STREET
Lab Number: L1816379
Project Number: 170500202
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-13
Client ID: WC03_COMP_9-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 15:30
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 05/11/18 22:49
Analyst: SL
Percent Solids: 79%
Methylation Date: 05/10/18 12:59

Extraction Method: EPA 8151A
Extraction Date: 05/09/18 13:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	206	13.0	1	A
2,4,5-T	ND		ug/kg	206	6.39	1	A
2,4,5-TP (Silvex)	ND		ug/kg	206	5.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	67		30-150	A
DCAA	92		30-150	B

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 05/09/18 12:40
Analyst: BM

Extraction Method: EPA 8151A
Extraction Date: 05/08/18 17:16

Methylation Date: 05/09/18 06:10

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 11,13 Batch: WG1113911-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.04	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.32	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	101		30-150	B

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/11/18 18:29
Analyst: KEG
TCLP/SPLP Extraction Date: 05/09/18 10:46

Extraction Method: EPA 3510C
Extraction Date: 05/10/18 07:37

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 11,13 Batch: WG1114414-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/11/18 17:37
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 05/10/18 19:12
Cleanup Method: EPA 3620B
Cleanup Date: 05/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 11 Batch: WG1114698-1						
Delta-BHC	ND		ug/kg	1.58	0.310	A
Lindane	ND		ug/kg	0.660	0.295	A
Alpha-BHC	ND		ug/kg	0.660	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.600	A
Heptachlor	ND		ug/kg	0.792	0.355	A
Aldrin	ND		ug/kg	1.58	0.557	A
Heptachlor epoxide	ND		ug/kg	2.97	0.890	A
Endrin	ND		ug/kg	0.660	0.270	A
Endrin aldehyde	ND		ug/kg	1.98	0.693	A
Endrin ketone	ND		ug/kg	1.58	0.408	A
Dieldrin	ND		ug/kg	0.989	0.495	A
4,4'-DDE	ND		ug/kg	1.58	0.366	A
4,4'-DDD	ND		ug/kg	1.58	0.565	A
4,4'-DDT	ND		ug/kg	2.97	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.374	A
Endosulfan II	ND		ug/kg	1.58	0.529	A
Endosulfan sulfate	ND		ug/kg	0.660	0.314	A
Methoxychlor	ND		ug/kg	2.97	0.923	A
Toxaphene	ND		ug/kg	29.7	8.31	A
cis-Chlordane	ND		ug/kg	1.98	0.551	A
trans-Chlordane	ND		ug/kg	1.98	0.522	A
Chlordane	ND		ug/kg	12.9	5.24	A

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/11/18 17:37
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 05/10/18 19:12
Cleanup Method: EPA 3620B
Cleanup Date: 05/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 11 Batch: WG1114698-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 05/13/18 17:13
Analyst: SL
TCLP/SPLP Extraction Date: 05/09/18 10:46
Methylation Date: 05/11/18 10:52

Extraction Method: EPA 8151A
Extraction Date: 05/11/18 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 11,13 Batch: WG1114740-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	88		30-150	B

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/13/18 21:36
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 05/11/18 05:20
Cleanup Method: EPA 3620B
Cleanup Date: 05/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 13 Batch: WG1114782-1						
Delta-BHC	ND		ug/kg	1.52	0.299	A
Lindane	ND		ug/kg	0.635	0.284	A
Alpha-BHC	ND		ug/kg	0.635	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.578	A
Heptachlor	ND		ug/kg	0.762	0.342	A
Aldrin	ND		ug/kg	1.52	0.537	A
Heptachlor epoxide	ND		ug/kg	2.86	0.858	A
Endrin	ND		ug/kg	0.635	0.260	A
Endrin aldehyde	ND		ug/kg	1.90	0.667	A
Endrin ketone	ND		ug/kg	1.52	0.393	A
Dieldrin	ND		ug/kg	0.953	0.476	A
4,4'-DDE	ND		ug/kg	1.52	0.353	A
4,4'-DDD	ND		ug/kg	1.52	0.544	A
4,4'-DDT	ND		ug/kg	2.86	1.23	A
Endosulfan I	ND		ug/kg	1.52	0.360	A
Endosulfan II	ND		ug/kg	1.52	0.510	A
Endosulfan sulfate	ND		ug/kg	0.635	0.302	A
Methoxychlor	ND		ug/kg	2.86	0.889	A
Toxaphene	ND		ug/kg	28.6	8.00	A
cis-Chlordane	ND		ug/kg	1.90	0.531	A
trans-Chlordane	ND		ug/kg	1.90	0.503	A
Chlordane	ND		ug/kg	12.4	5.05	A

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/13/18 21:36
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 05/11/18 05:20
Cleanup Method: EPA 3620B
Cleanup Date: 05/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 13 Batch: WG1114782-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	99		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	121		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 11,13 Batch: WG1113911-2 WG1113911-3									
2,4-D	105		98		30-150	7		30	A
2,4,5-T	82		96		30-150	16		30	A
2,4,5-TP (Silvex)	80		87		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	94		100		30-150	A
DCAA	105		110		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 11,13 Batch: WG1114414-2 WG1114414-3									
Lindane	109		122		30-150	11		20	A
Heptachlor	105		117		30-150	11		20	A
Heptachlor epoxide	103		115		30-150	11		20	A
Endrin	107		122		30-150	13		20	A
Methoxychlor	108		121		30-150	11		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		106		30-150	A
Decachlorobiphenyl	82		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		88		30-150	B
Decachlorobiphenyl	82		81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 11 Batch: WG1114698-2 WG1114698-3									
Delta-BHC	127		116		30-150	9		30	A
Lindane	118		114		30-150	3		30	A
Alpha-BHC	106		98		30-150	8		30	A
Beta-BHC	115		113		30-150	2		30	A
Heptachlor	119		113		30-150	5		30	A
Aldrin	116		111		30-150	4		30	A
Heptachlor epoxide	110		104		30-150	6		30	A
Endrin	116		109		30-150	6		30	A
Endrin aldehyde	96		90		30-150	6		30	A
Endrin ketone	113		105		30-150	7		30	A
Dieldrin	124		117		30-150	6		30	A
4,4'-DDE	115		109		30-150	5		30	A
4,4'-DDD	117		111		30-150	5		30	A
4,4'-DDT	117		111		30-150	5		30	A
Endosulfan I	110		104		30-150	6		30	A
Endosulfan II	111		104		30-150	7		30	A
Endosulfan sulfate	114		105		30-150	8		30	A
Methoxychlor	115		110		30-150	4		30	A
cis-Chlordane	101		95		30-150	6		30	A
trans-Chlordane	92		94		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 11 Batch: WG1114698-2 WG1114698-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		104		30-150	B
Decachlorobiphenyl	100		101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		96		30-150	A
Decachlorobiphenyl	91		88		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 11,13 Batch: WG1114740-2 WG1114740-3									
2,4-D	101		130		30-150	25		25	A
2,4,5-TP (Silvex)	71		113		30-150	**46**	Q	25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		137		30-150	A
DCAA	83		119		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 13 Batch: WG1114782-2 WG1114782-3									
Delta-BHC	109		98		30-150	11		30	A
Lindane	104		94		30-150	10		30	A
Alpha-BHC	107		100		30-150	7		30	A
Beta-BHC	124		101		30-150	20		30	A
Heptachlor	105		99		30-150	6		30	A
Aldrin	110		101		30-150	9		30	A
Heptachlor epoxide	121		109		30-150	10		30	A
Endrin	113		105		30-150	7		30	A
Endrin aldehyde	91		76		30-150	18		30	A
Endrin ketone	105		86		30-150	20		30	A
Dieldrin	113		105		30-150	7		30	A
4,4'-DDE	107		99		30-150	8		30	A
4,4'-DDD	92		94		30-150	2		30	A
4,4'-DDT	107		97		30-150	10		30	A
Endosulfan I	107		98		30-150	9		30	A
Endosulfan II	104		91		30-150	13		30	A
Endosulfan sulfate	94		74		30-150	24		30	A
Methoxychlor	94		82		30-150	14		30	A
cis-Chlordane	102		94		30-150	8		30	A
trans-Chlordane	86		89		30-150	3		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 13 Batch: WG1114782-2 WG1114782-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		78		30-150	B
Decachlorobiphenyl	97		97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	107		97		30-150	A
Decachlorobiphenyl	142		126		30-150	A

METALS

Project Name: 300 WEST 122ND STREET
Lab Number: L1816379
Project Number: 170500202
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-11
Client ID: WC04_COMP_7-13
Sample Location: NEW YORK, NY
Date Collected: 05/07/18 13:50
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%
TCLP/SPLP Ext. Date: 05/09/18 10:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	05/10/18 16:30	05/10/18 22:34	EPA 3015	1,6010C	AB
Barium, TCLP	0.315	J	mg/l	0.500	0.021	1	05/10/18 16:30	05/10/18 22:34	EPA 3015	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	05/10/18 16:30	05/10/18 22:34	EPA 3015	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	05/10/18 16:30	05/10/18 22:34	EPA 3015	1,6010C	AB
Lead, TCLP	0.086	J	mg/l	0.500	0.027	1	05/10/18 16:30	05/10/18 22:34	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	05/10/18 14:48	05/10/18 20:31	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	05/10/18 16:30	05/10/18 22:34	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	05/10/18 16:30	05/10/18 22:34	EPA 3015	1,6010C	AB

Project Name: 300 WEST 122ND STREET
Lab Number: L1816379
Project Number: 170500202
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-11
Client ID: WC04_COMP_7-13
Sample Location: NEW YORK, NY
Date Collected: 05/07/18 13:50
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4490		mg/kg	9.17	2.48	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Antimony, Total	0.826	J	mg/kg	4.59	0.348	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Arsenic, Total	6.16		mg/kg	0.917	0.191	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Barium, Total	73.0		mg/kg	0.917	0.160	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Beryllium, Total	0.174	J	mg/kg	0.459	0.030	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Cadmium, Total	ND		mg/kg	0.917	0.090	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Calcium, Total	30300		mg/kg	9.17	3.21	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Chromium, Total	12.9		mg/kg	0.917	0.088	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Cobalt, Total	6.76		mg/kg	1.83	0.152	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Copper, Total	48.3		mg/kg	0.917	0.237	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Iron, Total	19000		mg/kg	4.59	0.828	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Lead, Total	496		mg/kg	4.59	0.246	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Magnesium, Total	1690		mg/kg	9.17	1.41	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Manganese, Total	170		mg/kg	0.917	0.146	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Mercury, Total	0.171		mg/kg	0.075	0.016	1	05/10/18 07:30	05/10/18 19:20	EPA 7471B	1,7471B	EA
Nickel, Total	20.1		mg/kg	2.29	0.222	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Potassium, Total	1010		mg/kg	229	13.2	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Selenium, Total	0.679	J	mg/kg	1.83	0.237	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Silver, Total	ND		mg/kg	0.917	0.260	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Sodium, Total	421		mg/kg	183	2.89	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Thallium, Total	ND		mg/kg	1.83	0.289	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Vanadium, Total	14.6		mg/kg	0.917	0.186	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
Zinc, Total	153		mg/kg	4.59	0.269	2	05/10/18 19:27	05/11/18 02:08	EPA 3050B	1,6010C	PE
General Chemistry - Mansfield Lab											
Chromium, Trivalent	13		mg/kg	0.96	0.96	1		05/11/18 02:08	NA	107,-	

Project Name: 300 WEST 122ND STREET
Lab Number: L1816379
Project Number: 170500202
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-13
Client ID: WC03_COMP_9-13
Sample Location: NEW YORK, NY
Date Collected: 05/07/18 15:30
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 79%
TCLP/SPLP Ext. Date: 05/09/18 10:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	05/10/18 16:30	05/10/18 22:39	EPA 3015	1,6010C	AB
Barium, TCLP	0.400	J	mg/l	0.500	0.021	1	05/10/18 16:30	05/10/18 22:39	EPA 3015	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	05/10/18 16:30	05/10/18 22:39	EPA 3015	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	05/10/18 16:30	05/10/18 22:39	EPA 3015	1,6010C	AB
Lead, TCLP	0.170	J	mg/l	0.500	0.027	1	05/10/18 16:30	05/10/18 22:39	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	05/10/18 14:48	05/10/18 20:33	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	05/10/18 16:30	05/10/18 22:39	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	05/10/18 16:30	05/10/18 22:39	EPA 3015	1,6010C	AB

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-13 Date Collected: 05/07/18 15:30

Client ID: WC03_COMP_9-13 Date Received: 05/07/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5980		mg/kg	9.84	2.66	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Antimony, Total	ND		mg/kg	4.92	0.374	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Arsenic, Total	4.18		mg/kg	0.984	0.205	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Barium, Total	82.5		mg/kg	0.984	0.171	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Beryllium, Total	0.197	J	mg/kg	0.492	0.033	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Cadmium, Total	ND		mg/kg	0.984	0.096	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Calcium, Total	35400		mg/kg	9.84	3.44	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Chromium, Total	11.2		mg/kg	0.984	0.094	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Cobalt, Total	7.42		mg/kg	1.97	0.163	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Copper, Total	21.6		mg/kg	0.984	0.254	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Iron, Total	28200		mg/kg	4.92	0.888	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Lead, Total	203		mg/kg	4.92	0.264	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Magnesium, Total	2610		mg/kg	9.84	1.52	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Manganese, Total	273		mg/kg	0.984	0.156	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Mercury, Total	0.147		mg/kg	0.079	0.017	1	05/10/18 07:30	05/10/18 19:31	EPA 7471B	1,7471B	EA
Nickel, Total	10.8		mg/kg	2.46	0.238	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Potassium, Total	1730		mg/kg	246	14.2	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Selenium, Total	1.13	J	mg/kg	1.97	0.254	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Silver, Total	ND		mg/kg	0.984	0.278	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Sodium, Total	384		mg/kg	197	3.10	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Thallium, Total	ND		mg/kg	1.97	0.310	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Vanadium, Total	20.6		mg/kg	0.984	0.200	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
Zinc, Total	58.9		mg/kg	4.92	0.288	2	05/10/18 19:27	05/11/18 02:12	EPA 3050B	1,6010C	PE
General Chemistry - Mansfield Lab											
Chromium, Trivalent	11		mg/kg	1.0	1.0	1		05/11/18 02:12	NA	107,-	

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 11,13 Batch: WG1114367-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	05/10/18 07:30	05/10/18 19:16	1,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 11,13 Batch: WG1114607-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	05/10/18 14:48	05/10/18 20:17	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 05/09/18 10:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 11,13 Batch: WG1114631-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	05/10/18 16:30	05/10/18 21:29	1,6010C	AB
Barium, TCLP	ND		mg/l	0.500	0.021	1	05/10/18 16:30	05/10/18 21:29	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	05/10/18 16:30	05/10/18 21:29	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	05/10/18 16:30	05/10/18 21:29	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	05/10/18 16:30	05/10/18 21:29	1,6010C	AB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	05/10/18 16:30	05/10/18 21:29	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	05/10/18 16:30	05/10/18 21:29	1,6010C	AB

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 05/09/18 10:46

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 11,13 Batch: WG1114674-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Iron, Total	0.868	J	mg/kg	2.00	0.361	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Manganese, Total	ND		mg/kg	0.400	0.064	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Potassium, Total	7.68	J	mg/kg	100	5.76	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Sodium, Total	18.4	J	mg/kg	80.0	1.26	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	05/10/18 19:27	05/11/18 00:23	1,6010C	MC

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11,13 Batch: WG1114367-2 SRM Lot Number: D098-540								
Mercury, Total	98		-		50-149	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 11,13 Batch: WG1114607-2								
Mercury, TCLP	101		-		80-120	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 11,13 Batch: WG1114631-2								
Arsenic, TCLP	99		-		75-125	-		20
Barium, TCLP	93		-		75-125	-		20
Cadmium, TCLP	102		-		75-125	-		20
Chromium, TCLP	93		-		75-125	-		20
Lead, TCLP	98		-		75-125	-		20
Selenium, TCLP	98		-		75-125	-		20
Silver, TCLP	89		-		75-125	-		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11,13 Batch: WG1114674-2 SRM Lot Number: D098-540					
Aluminum, Total	78	-	47-153	-	
Antimony, Total	177	-	6-194	-	
Arsenic, Total	109	-	83-117	-	
Barium, Total	90	-	82-118	-	
Beryllium, Total	102	-	83-117	-	
Cadmium, Total	102	-	82-117	-	
Calcium, Total	88	-	81-118	-	
Chromium, Total	99	-	83-119	-	
Cobalt, Total	103	-	84-116	-	
Copper, Total	100	-	84-116	-	
Iron, Total	99	-	60-140	-	
Lead, Total	99	-	82-117	-	
Magnesium, Total	88	-	76-124	-	
Manganese, Total	91	-	82-118	-	
Nickel, Total	101	-	82-117	-	
Potassium, Total	90	-	69-131	-	
Selenium, Total	106	-	78-121	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	100	-	74-126	-	
Thallium, Total	101	-	80-119	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11,13 Batch: WG1114674-2 SRM Lot Number: D098-540					
Zinc, Total	103	-	81-119	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11,13 QC Batch ID: WG1114367-3 QC Sample: L1816379-11 Client ID: WC04_COMP_7-13												
Mercury, Total	0.171	0.15	0.326	103		-	-		80-120	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 11,13 QC Batch ID: WG1114607-3 QC Sample: L1816358-01 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0257	103		-	-		80-120	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 11,13 QC Batch ID: WG1114631-3 QC Sample: L1816358-01 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.24	103		-	-		75-125	-		20
Barium, TCLP	0.416J	20	19.5	98		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.532	104		-	-		75-125	-		20
Chromium, TCLP	ND	2	1.92	96		-	-		75-125	-		20
Lead, TCLP	ND	5.1	5.09	100		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.27	106		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.452	90		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11,13 QC Batch ID: WG1114674-3 WG1114674-4 QC Sample: L1816621-03 Client ID: MS Sample												
Aluminum, Total	8290	190	8350	**32**	Q	10400	**1120**	Q	75-125	**22**	Q	20
Antimony, Total	ND	47.5	39.8	84		37.6	80		75-125	6		20
Arsenic, Total	5.33	11.4	15.2	87		16.3	97		75-125	7		20
Barium, Total	264.	190	279	**8**	Q	285	**11**	Q	75-125	2		20
Beryllium, Total	0.093J	4.75	4.36	92		4.05	86		75-125	7		20
Cadmium, Total	ND	4.84	3.98	82		3.63	76		75-125	9		20
Calcium, Total	3080	950	2750	**0**	Q	3280	**21**	Q	75-125	18		20
Chromium, Total	21.7	19	33.1	**60**	Q	35.9	75		75-125	8		20
Cobalt, Total	6.88	47.5	46.0	82		44.0	79		75-125	4		20
Copper, Total	57.5	23.7	86.6	122		103	**193**	Q	75-125	17		20
Iron, Total	17000	95	14200	**0**	Q	17000	**0**	Q	75-125	18		20
Lead, Total	226.	48.4	176	**0**	Q	170	**0**	Q	75-125	3		20
Magnesium, Total	3970	950	4620	**68**	Q	5100	120		75-125	10		20
Manganese, Total	165.	47.5	190	**53**	Q	215	106		75-125	12		20
Nickel, Total	13.0	47.5	51.1	80		51.3	81		75-125	0		20
Potassium, Total	1940	950	2900	101		3340	**148**	Q	75-125	14		20
Selenium, Total	1.10J	11.4	10.6	93		10.0	88		75-125	6		20
Silver, Total	ND	28.5	27.2	95		25.4	90		75-125	7		20
Sodium, Total	348.	950	1240	94		1270	98		75-125	2		20
Thallium, Total	ND	11.4	8.30	**73**	Q	7.55	**67**	Q	75-125	9		20
Vanadium, Total	26.6	47.5	70.1	92		71.4	95		75-125	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11,13 QC Batch ID: WG1114674-3 WG1114674-4 QC Sample: L1816621-03 Client ID: MS Sample											
Zinc, Total	329.	47.5	278	**0**	Q	321	**0**	Q	75-125	14	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11,13 QC Batch ID: WG1114367-4 QC Sample: L1816379-11 Client ID: WC04_COMP_7-13						
Mercury, Total	0.171	0.170	mg/kg	1		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 11,13 QC Batch ID: WG1114607-4 QC Sample: L1816358-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 11,13 QC Batch ID: WG1114631-4 QC Sample: L1816358-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.416J	0.402J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1816379
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-11
Client ID: WC04_COMP_7-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 13:50
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	05/08/18 09:37	1,1030	GD

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1816379
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-13
Client ID: WC03_COMP_9-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 15:30
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	05/08/18 09:37	1,1030	GD

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-11
Client ID: WC04_COMP_7-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 13:50
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.8		%	0.100	NA	1	-	05/09/18 12:03	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	05/09/18 19:41	05/10/18 10:32	1,9010C/9012B	LH
pH (H)	9.7		SU	-	NA	1	-	05/08/18 06:45	1,9045D	UN
Chromium, Hexavalent	ND		mg/kg	0.955	0.191	1	05/08/18 10:10	05/09/18 12:03	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	05/08/18 19:35	05/08/18 21:20	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	05/08/18 19:35	05/08/18 21:37	125,7.3	TL

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-12
Client ID: WC04_GRAB_TP01_7-9
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 12:20
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	05/09/18 12:03	121,2540G	RI

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-13
Client ID: WC03_COMP_9-13
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 15:30
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.4		%	0.100	NA	1	-	05/10/18 10:21	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	05/09/18 19:41	05/10/18 10:33	1,9010C/9012B	LH
pH (H)	10.7		SU	-	NA	1	-	05/08/18 06:45	1,9045D	UN
Chromium, Hexavalent	ND		mg/kg	1.01	0.202	1	05/08/18 10:10	05/09/18 12:03	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	05/08/18 19:35	05/08/18 21:21	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	05/08/18 19:35	05/08/18 21:37	125,7.3	TL

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

SAMPLE RESULTS

Lab ID: L1816379-14
Client ID: WC03_GRAB_TP03_9-11
Sample Location: NEW YORK, NY

Date Collected: 05/07/18 15:30
Date Received: 05/07/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	05/09/18 12:03	121,2540G	RI

Project Name: 300 WEST 122ND STREET **Lab Number:** L1816379

Project Number: 170500202 **Report Date:** 05/16/18

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): 11,13 Batch: WG1113608-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	05/08/18 10:10	05/09/18 12:03	1,7196A	NH
General Chemistry - Westborough Lab for sample(s): 11,13 Batch: WG1113798-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	05/08/18 19:35	05/08/18 21:34	125,7.3	TL
General Chemistry - Westborough Lab for sample(s): 11,13 Batch: WG1113805-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	05/08/18 19:35	05/08/18 21:17	125,7.3	TL
General Chemistry - Westborough Lab for sample(s): 11 Batch: WG1114207-1										
Cyanide, Total	ND		mg/kg	0.97	0.20	1	05/09/18 19:41	05/10/18 10:14	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 13 Batch: WG1114208-1										
Cyanide, Total	ND		mg/kg	0.97	0.20	1	05/09/18 19:41	05/10/18 10:15	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1816379

Report Date: 05/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 11,13 Batch: WG1113547-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 11,13 Batch: WG1113608-2								
Chromium, Hexavalent	80		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 11,13 Batch: WG1113798-2								
Sulfide, Reactive	101		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 11,13 Batch: WG1113805-2								
Cyanide, Reactive	42		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 11 Batch: WG1114207-2 WG1114207-3								
Cyanide, Total	**79**	Q	**64**	Q	80-120	20		35
General Chemistry - Westborough Lab Associated sample(s): 13 Batch: WG1114208-2 WG1114208-3								
Cyanide, Total	**78**	Q	**65**	Q	80-120	18		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

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): 11,13 QC Batch ID: WG1113608-4 QC Sample: L1816379-13 Client ID: WC03_COMP_9-13												
Chromium, Hexavalent	ND	1210	1150	95		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 11 QC Batch ID: WG1114207-4 WG1114207-5 QC Sample: L1809518-19 Client ID: MS Sample												
Cyanide, Total	ND	14	13	93		12	88		75-125	8		35
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG1114208-4 WG1114208-5 QC Sample: L1816621-03 Client ID: MS Sample												
Cyanide, Total	ND	11	10	87		10	90		75-125	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 11,13 QC Batch ID: WG1113547-2 QC Sample: L1816346-01 Client ID: DUP Sample						
pH	7.8	7.8	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 11,13 QC Batch ID: WG1113608-6 QC Sample: L1816379-13 Client ID: WC03_COMP_9-13						
Chromium, Hexavalent	ND	0.315J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 11,13 QC Batch ID: WG1113798-3 QC Sample: L1816364-03 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 11,13 QC Batch ID: WG1113805-3 QC Sample: L1816364-03 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 11-12,14 QC Batch ID: WG1114114-1 QC Sample: L1816422-01 Client ID: DUP Sample						
Solids, Total	95.0	95.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG1114492-1 QC Sample: L1816572-01 Client ID: DUP Sample						
Solids, Total	99.2	99.3	%	0		20

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1816379-01A	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		HOLD-WETCHEM(),HOLD-METAL(180)
L1816379-02A	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		HOLD-WETCHEM(),HOLD-METAL(180)
L1816379-03A	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		HOLD-WETCHEM(),HOLD-METAL(180)
L1816379-04A	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		HOLD-WETCHEM(),HOLD-METAL(180)
L1816379-05A	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		HOLD-WETCHEM(),HOLD-METAL(180)
L1816379-06A	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		HOLD-WETCHEM(),HOLD-METAL(180)
L1816379-07A	Glass 60ml unpreserved split	A	NA		3.5	Y	Absent		HOLD-METAL(180)
L1816379-07B	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		HOLD-WETCHEM()
L1816379-07X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.5	Y	Absent		HOLD-METAL(180)
L1816379-07X9	Tumble Vessel	A	NA		3.5	Y	Absent		HOLD-METAL(180)
L1816379-08A	Glass 60ml unpreserved split	A	NA		3.5	Y	Absent		HOLD-METAL(180)
L1816379-08B	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		HOLD-WETCHEM()
L1816379-08X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.5	Y	Absent		HOLD-METAL(180)
L1816379-08X9	Tumble Vessel	A	NA		3.5	Y	Absent		HOLD-METAL(180)
L1816379-09A	Glass 60ml unpreserved split	A	NA		3.5	Y	Absent		HOLD-METAL(180)
L1816379-09B	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		HOLD-WETCHEM()
L1816379-09X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.5	Y	Absent		HOLD-METAL(180)
L1816379-09X9	Tumble Vessel	A	NA		3.5	Y	Absent		HOLD-METAL(180)
L1816379-10A	Glass 60ml unpreserved split	A	NA		3.5	Y	Absent		HOLD-METAL(180)
L1816379-10B	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		HOLD-WETCHEM()
L1816379-10X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.5	Y	Absent		HOLD-METAL(180)
L1816379-10X9	Tumble Vessel	A	NA		3.5	Y	Absent		HOLD-METAL(180)

*Values in parentheses indicate holding time in days

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
Report Date: 05/16/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1816379-11A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1816379-11B	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		HEXCR-7196(30)
L1816379-11C	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1816379-11D	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1816379-11E	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1816379-11W	Amber 1000ml unpreserved Extracts	A	NA		3.5	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1816379-11X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1816379-11X9	Tumble Vessel	A	NA		3.5	Y	Absent		-
L1816379-12A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L1816379-12B	Vial water preserved	A	NA		3.5	Y	Absent	08-MAY-18 06:04	NYTCL-8260HLW(14)
L1816379-12C	Vial water preserved	A	NA		3.5	Y	Absent	08-MAY-18 06:04	NYTCL-8260HLW(14)
L1816379-12D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L1816379-12E	Vial Large Septa unpreserved (4oz)	A	NA		3.5	Y	Absent		TCLP-EXT-ZHE(14)
L1816379-12F	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		NJEPH-TPH-CAT1(14)
L1816379-12S	Vial unpreserved Extracts	A	NA		3.5	Y	Absent		TCLP-VOA(14)
L1816379-12T	Vial unpreserved Extracts	A	NA		3.5	Y	Absent		TCLP-VOA(14)
L1816379-13A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1816379-13B	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1816379
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1816379-13C	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1816379-13D	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1816379-13E	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1816379-13W	Amber 1000ml unpreserved Extracts	A	NA		3.5	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1816379-13X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1816379-13X9	Tumble Vessel	A	NA		3.5	Y	Absent		-
L1816379-14A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L1816379-14B	Vial water preserved	A	NA		3.5	Y	Absent	08-MAY-18 06:04	NYTCL-8260HLW(14)
L1816379-14C	Vial water preserved	A	NA		3.5	Y	Absent	08-MAY-18 06:04	NYTCL-8260HLW(14)
L1816379-14D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L1816379-14E	Vial Large Septa unpreserved (4oz)	A	NA		3.5	Y	Absent		TCLP-EXT-ZHE(14)
L1816379-14F	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		NJEPH-TPH-CAT1(14)
L1816379-14S	Vial unpreserved Extracts	A	NA		3.5	Y	Absent		TCLP-VOA(14)
L1816379-14T	Vial unpreserved Extracts	A	NA		3.5	Y	Absent		TCLP-VOA(14)

*Values in parentheses indicate holding time in days

Project Name:	300 WEST 122ND STREET	**Lab Number:**	L1816379
Project Number:	170500202	**Report Date:**	05/16/18

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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
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

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

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.

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

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

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.

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

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Project Number:	170500202	**Report Date:**	05/16/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

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

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
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.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, 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, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 5/7/18

ALPHA Job #: L1816374

Client Information
Client: LANGAN
Address: 360 W 31st ST NY, NY 10001
Phone: 212-479-5400
Fax:
Email: gWyka@Langan.com

Project Information
Project Name:
Project Location:
Project # 170500207
(Use Project name as Project #)
Project Manager: GREG WYKA
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☑ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TOTAL/TCLP METALS	Total # Bottles	Sample Specific Comments
1637401	WC04-GRAB-TP02-9-11	05/07	14:00	SOIL	DE	2		HOLD
-02	WC04-GRAB-TP02-11-13	05/07	14:00	SOIL	DE	2		HOLD
-03	WC04-GRAB-TP01-9-11	05/07	~~13:30~~	SOIL	DE	X		HOLD
-04	WC04-GRAB-TP01-7-9	05/07	13:20	SOIL	DE	X		HOLD
-05	WC04-GRAB-TP01-11-13	05/07	13:20	SOIL	DE	X		HOLD
-06	WC03-GRAB-TP04-9-11	05/07	16:00	SOIL	DE	X		HOLD
-07	WC03-GRAB-TP04-11-13	"	"	"	"	X		
-08	WC03-GRAB-TP03-9-10	"	15:45	"	"	X		
-09	WC03-GRAB-TP03-11-13	"	15:45	"	"	X		
-10	WC03-GRAB-TP03-10-11	"	15:45	"	"	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type										
Preservative										

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	05/07 16:25	[illegible]	5-7-18 16:25
[illegible]	5-7-18 18:30	David Santos AAL	5/7/18 1830
Daniel Santos AAL	5/7/18 2330		5/7/18 2330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL LABORATORIES

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 5/7/18

ALPHA Job #: L1816379

Client Information
Client: LANCAN
Address: 360 WEST 31ST ST NY, NY 10001
Phone: 212-479-5400
Fax:
Email: GWYKA@langan.com

Project Information
Project Name:
Project Location:
Project #: 170500702
(Use Project name as Project #) ☐
Project Manager: GREG WYKA
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☑ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP/TCL (SVOCs, PEST, HERB)	TCL ABs, TAL METALS (nEXTRICE)	TOTAL CYANIDE, TCLP METALS	RCRA Char.	TCLP/TCL VOCs, EPH				Sample Specific Comments	Total # Bottles
16379-11	WC04-COMP-7-13	05/07	13:50	SOIL	DE	X	X	X	X						
-12	WC04-GRAB-TP01-7-9	05/07	17:20	SOIL	DE					X					
-13	WC03-COMP-9-13	05/07	16:30	SOIL	DE	X	X	X	X						
-14	WC03-GRAB-TP03-9-11	"	15:30	"	"					X					

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type										
Preservative										

Relinquished By:	Date/Time	Received By:	Date/Time
	05/07/18 16:20		5-7-18 16:20
	5-7-18 18:3	Daniel Santos AAL	5/7/18 1830
Daniel Santos AAL	5/7/18 2330		5/7/18 2330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1902712
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	300 W. 122ND ST.
Project Number:	170500202
Report Date:	01/29/19

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), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1902712-01	RAMP_GRAB_01	SOIL	NY, NY	01/22/19 10:00	01/22/19
L1902712-02	RAMP_EPH_01	SOIL	NY, NY	01/22/19 10:35	01/22/19
L1902712-03	RAMP_EPH_02	SOIL	NY, NY	01/22/19 10:37	01/22/19
L1902712-04	RAMP_COMP_01	SOIL	NY, NY	01/22/19 10:40	01/22/19
L1902712-05	SP_GRAB_01	SOIL	NY, NY	01/22/19 10:17	01/22/19
L1902712-06	SP_EPH_01	SOIL	NY, NY	01/22/19 10:50	01/22/19
L1902712-07	SP_EPH_02	SOIL	NY, NY	01/22/19 10:53	01/22/19
L1902712-08	SP_COMP_01	SOIL	NY, NY	01/22/19 10:55	01/22/19

Project Name:	300 W. 122ND ST.	**Lab Number:**	L1902712
Project Number:	170500202	**Report Date:**	01/29/19

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

Project Name:	300 W. 122ND ST.	**Lab Number:**	L1902712
Project Number:	170500202	**Report Date:**	01/29/19

Case Narrative (continued)

Report Submission

January 29, 2019: This final report includes the results of all requested analyses.

January 25, 2019: This is a preliminary report.

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

Sample Receipt

The analyses performed were specified by the client.

Volatile Organics

L1902712-05: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

Total Metals

L1902712-04 and -08: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1200639-3 MS recoveries for aluminum (556%), calcium (0%), iron (3000%) and manganese (172%), performed on L1902712-04, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1200639-4 Laboratory Duplicate RPDs for aluminum (27%), calcium (43%), copper (31%), iron (24%), vanadium (28%) and zinc (22%), performed on L1902712-04, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

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: Kelly Stenstrom

Title: Technical Director/Representative Date: 01/29/19

ORGANICS

VOLATILES

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-01 Date Collected: 01/22/19 10:00
Client ID: RAMP_GRAB_01 Date Received: 01/22/19
Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/24/19 16:11
Analyst: MKS
Percent Solids: 91%
TCLP/SPLP Ext. Date: 01/23/19 12:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	117		70-130
dibromofluoromethane	109		70-130

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-01 Date Collected: 01/22/19 10:00
Client ID: RAMP_GRAB_01 Date Received: 01/22/19
Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/25/19 02:49
Analyst: MKS
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.89	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.89	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.89	0.11	1
Dibromochloromethane	ND		ug/kg	0.89	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	0.24	1
Tetrachloroethene	0.22	J	ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.89	0.48	1
Ethylbenzene	ND		ug/kg	0.89	0.12	1
Chloromethane	ND		ug/kg	3.6	0.83	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.89	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.89	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-01 Date Collected: 01/22/19 10:00

Client ID: RAMP_GRAB_01 Date Received: 01/22/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	0.29	J	ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.89	0.26	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.16	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.89	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.81	1
Acetone	30		ug/kg	8.9	4.3	1
Carbon disulfide	ND		ug/kg	8.9	4.0	1
2-Butanone	ND		ug/kg	8.9	2.0	1
Vinyl acetate	ND		ug/kg	8.9	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.9	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.89	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.89	0.15	1
sec-Butylbenzene	ND		ug/kg	0.89	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.88	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.89	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.10	1
Naphthalene	ND		ug/kg	3.6	0.58	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1
Tert-Butyl Alcohol	ND		ug/kg	18	4.6	1

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-01 Date Collected: 01/22/19 10:00

Client ID: RAMP_GRAB_01 Date Received: 01/22/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.89	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
Methyl Acetate	ND		ug/kg	3.6	0.84	1
Acrolein	ND		ug/kg	22	5.0	1
Cyclohexane	ND		ug/kg	8.9	0.48	1
1,4-Dioxane	ND		ug/kg	89	31.	1
Freon-113	ND		ug/kg	3.6	0.62	1
p-Diethylbenzene	0.32	J	ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	0.50	J	ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.3	1
Methyl cyclohexane	ND		ug/kg	3.6	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	94		70-130

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-05
Client ID: SP_GRAB_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:17
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/25/19 06:21
Analyst: MM
Percent Solids: 96%
TCLP/SPLP Ext. Date: 01/23/19 12:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	9.5		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	116		70-130
dibromofluoromethane	108		70-130

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-05
Client ID: SP_GRAB_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:17
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 01/24/19 03:34
Analyst: NLK
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	300	140	1
1,1-Dichloroethane	ND		ug/kg	59	8.6	1
Chloroform	ND		ug/kg	89	8.3	1
Carbon tetrachloride	ND		ug/kg	59	14.	1
1,2-Dichloropropane	ND		ug/kg	59	7.4	1
Dibromochloromethane	ND		ug/kg	59	8.3	1
1,1,2-Trichloroethane	ND		ug/kg	59	16.	1
Tetrachloroethene	ND		ug/kg	30	12.	1
Chlorobenzene	ND		ug/kg	30	7.5	1
Trichlorofluoromethane	ND		ug/kg	240	41.	1
1,2-Dichloroethane	ND		ug/kg	59	15.	1
1,1,1-Trichloroethane	ND		ug/kg	30	9.9	1
Bromodichloromethane	ND		ug/kg	30	6.4	1
trans-1,3-Dichloropropene	ND		ug/kg	59	16.	1
cis-1,3-Dichloropropene	ND		ug/kg	30	9.3	1
1,3-Dichloropropene, Total	ND		ug/kg	30	9.3	1
1,1-Dichloropropene	ND		ug/kg	30	9.4	1
Bromoform	ND		ug/kg	240	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	30	9.8	1
Benzene	ND		ug/kg	30	9.8	1
Toluene	ND		ug/kg	59	32.	1
Ethylbenzene	ND		ug/kg	59	8.3	1
Chloromethane	ND		ug/kg	240	55.	1
Bromomethane	ND		ug/kg	120	34.	1
Vinyl chloride	ND		ug/kg	59	20.	1
Chloroethane	ND		ug/kg	120	27.	1
1,1-Dichloroethene	ND		ug/kg	59	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	89	8.1	1

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-05 Date Collected: 01/22/19 10:17

Client ID: SP_GRAB_01 Date Received: 01/22/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	30	8.1	1
1,2-Dichlorobenzene	ND		ug/kg	120	8.5	1
1,3-Dichlorobenzene	ND		ug/kg	120	8.8	1
1,4-Dichlorobenzene	ND		ug/kg	120	10.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	ND		ug/kg	120	33.	1
o-Xylene	ND		ug/kg	59	17.	1
Xylenes, Total	ND		ug/kg	59	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	59	10.	1
Dibromomethane	ND		ug/kg	120	14.	1
Styrene	ND		ug/kg	59	12.	1
Dichlorodifluoromethane	ND		ug/kg	590	54.	1
Acetone	ND		ug/kg	590	280	1
Carbon disulfide	ND		ug/kg	590	270	1
2-Butanone	ND		ug/kg	590	130	1
Vinyl acetate	ND		ug/kg	590	130	1
4-Methyl-2-pentanone	ND		ug/kg	590	76.	1
1,2,3-Trichloropropane	ND		ug/kg	120	7.5	1
2-Hexanone	ND		ug/kg	590	70.	1
Bromochloromethane	ND		ug/kg	120	12.	1
2,2-Dichloropropane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	59	16.	1
1,3-Dichloropropane	ND		ug/kg	120	9.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	30	7.8	1
Bromobenzene	ND		ug/kg	120	8.6	1
n-Butylbenzene	ND		ug/kg	59	9.9	1
sec-Butylbenzene	ND		ug/kg	59	8.6	1
tert-Butylbenzene	ND		ug/kg	120	7.0	1
o-Chlorotoluene	ND		ug/kg	120	11.	1
p-Chlorotoluene	ND		ug/kg	120	6.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	180	59.	1
Hexachlorobutadiene	ND		ug/kg	240	10.	1
Isopropylbenzene	ND		ug/kg	59	6.4	1
p-Isopropyltoluene	ND		ug/kg	59	6.4	1
Naphthalene	ND		ug/kg	240	38.	1
Acrylonitrile	ND		ug/kg	240	68.	1
Tert-Butyl Alcohol	ND		ug/kg	1200	300	1

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-05 Date Collected: 01/22/19 10:17

Client ID: SP_GRAB_01 Date Received: 01/22/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	59	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	16.	1
1,3,5-Trimethylbenzene	ND		ug/kg	120	11.	1
1,2,4-Trimethylbenzene	ND		ug/kg	120	20.	1
Methyl Acetate	ND		ug/kg	240	56.	1
Acrolein	ND		ug/kg	1500	330	1
Cyclohexane	ND		ug/kg	590	32.	1
1,4-Dioxane	ND		ug/kg	5900	2100	1
Freon-113	ND		ug/kg	240	41.	1
p-Diethylbenzene	ND		ug/kg	120	10.	1
p-Ethyltoluene	ND		ug/kg	120	23.	1
1,2,4,5-Tetramethylbenzene	26	J	ug/kg	120	11.	1
Ethyl ether	ND		ug/kg	120	20.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	300	84.	1
Methyl cyclohexane	ND		ug/kg	240	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	89		70-130

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/24/19 06:35
Analyst: MM
TCLP/SPLP Extraction Date: 01/23/19 12:12

Extraction Date: 01/23/19 12:12

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1200499-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	116		70-130
dibromofluoromethane	102		70-130

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/19 20:22
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1200649-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/19 20:22
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1200649-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	10	J	ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6
p-Chlorotoluene	ND		ug/kg	100	5.4

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/19 20:22
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1200649-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
Tert-Butyl Alcohol	ND		ug/kg	1000	260
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Acrolein	ND		ug/kg	1200	280
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	5000	1800
Freon-113	ND		ug/kg	200	35.
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/19 20:22
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1200649-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	90		70-130

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/25/19 05:51
Analyst: MM
TCLP/SPLP Extraction Date: 01/23/19 12:12

Extraction Date: 01/23/19 12:12

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 05 Batch: WG1200951-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	117		70-130
dibromofluoromethane	107		70-130

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/24/19 20:01
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1200986-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/24/19 20:01
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1200986-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.20	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/24/19 20:01
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1200986-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/24/19 20:01
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1200986-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	90		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1200499-3 WG1200499-4								
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	110		100		63-132	10		20
Tetrachloroethene	99		93		70-130	6		20
Chlorobenzene	99		94		75-130	5		25
1,2-Dichloroethane	110		110		70-130	0		20
Benzene	100		99		70-130	1		25
Vinyl chloride	92		86		55-140	7		20
1,1-Dichloroethene	96		91		61-145	5		25
Trichloroethene	100		96		70-130	4		25
1,4-Dichlorobenzene	91		86		70-130	6		20
2-Butanone	120		120		63-138	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		110		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	108		106		70-130
dibromofluoromethane	100		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1200649-3 WG1200649-4								
Methylene chloride	99		97		70-130	2		30
1,1-Dichloroethane	102		100		70-130	2		30
Chloroform	99		97		70-130	2		30
Carbon tetrachloride	98		96		70-130	2		30
1,2-Dichloropropane	105		102		70-130	3		30
Dibromochloromethane	94		91		70-130	3		30
1,1,2-Trichloroethane	98		94		70-130	4		30
Tetrachloroethene	96		94		70-130	2		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	78		78		70-139	0		30
1,2-Dichloroethane	93		91		70-130	2		30
1,1,1-Trichloroethane	98		97		70-130	1		30
Bromodichloromethane	99		97		70-130	2		30
trans-1,3-Dichloropropene	98		96		70-130	2		30
cis-1,3-Dichloropropene	104		103		70-130	1		30
1,1-Dichloropropene	106		103		70-130	3		30
Bromoform	93		89		70-130	4		30
1,1,2,2-Tetrachloroethane	97		95		70-130	2		30
Benzene	104		103		70-130	1		30
Toluene	101		98		70-130	3		30
Ethylbenzene	99		97		70-130	2		30
Chloromethane	107		100		52-130	7		30
Bromomethane	70		71		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1200649-3 WG1200649-4								
Vinyl chloride	92		89		67-130	3		30
Chloroethane	77		76		50-151	1		30
1,1-Dichloroethene	106		103		65-135	3		30
trans-1,2-Dichloroethene	104		103		70-130	1		30
Trichloroethene	102		100		70-130	2		30
1,2-Dichlorobenzene	95		94		70-130	1		30
1,3-Dichlorobenzene	98		94		70-130	4		30
1,4-Dichlorobenzene	95		92		70-130	3		30
Methyl tert butyl ether	102		100		66-130	2		30
p/m-Xylene	101		98		70-130	3		30
o-Xylene	100		98		70-130	2		30
cis-1,2-Dichloroethene	104		101		70-130	3		30
Dibromomethane	96		96		70-130	0		30
Styrene	101		98		70-130	3		30
Dichlorodifluoromethane	91		88		30-146	3		30
Acetone	104		100		54-140	4		30
Carbon disulfide	99		97		59-130	2		30
2-Butanone	102		99		70-130	3		30
Vinyl acetate	103		100		70-130	3		30
4-Methyl-2-pentanone	95		93		70-130	2		30
1,2,3-Trichloropropane	96		92		68-130	4		30
2-Hexanone	97		92		70-130	5		30
Bromochloromethane	101		99		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1200649-3 WG1200649-4								
2,2-Dichloropropane	104		100		70-130	4		30
1,2-Dibromoethane	97		94		70-130	3		30
1,3-Dichloropropane	99		96		69-130	3		30
1,1,1,2-Tetrachloroethane	96		94		70-130	2		30
Bromobenzene	97		95		70-130	2		30
n-Butylbenzene	101		99		70-130	2		30
sec-Butylbenzene	103		101		70-130	2		30
tert-Butylbenzene	101		99		70-130	2		30
o-Chlorotoluene	101		102		70-130	1		30
p-Chlorotoluene	101		99		70-130	2		30
1,2-Dibromo-3-chloropropane	92		90		68-130	2		30
Hexachlorobutadiene	97		95		67-130	2		30
Isopropylbenzene	103		100		70-130	3		30
p-Isopropyltoluene	102		100		70-130	2		30
Naphthalene	99		99		70-130	0		30
Acrylonitrile	108		106		70-130	2		30
Tert-Butyl Alcohol	97		97		70-130	0		30
n-Propylbenzene	102		100		70-130	2		30
1,2,3-Trichlorobenzene	97		96		70-130	1		30
1,2,4-Trichlorobenzene	97		97		70-130	0		30
1,3,5-Trimethylbenzene	100		98		70-130	2		30
1,2,4-Trimethylbenzene	101		99		70-130	2		30
Methyl Acetate	102		101		51-146	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1200649-3 WG1200649-4								
Acrolein	107		101		70-130	6		30
Cyclohexane	111		110		59-142	1		30
1,4-Dioxane	111		109		65-136	2		30
Freon-113	106		103		50-139	3		30
p-Diethylbenzene	101		99		70-130	2		30
p-Ethyltoluene	102		100		70-130	2		30
1,2,4,5-Tetramethylbenzene	101		100		70-130	1		30
Ethyl ether	105		103		67-130	2		30
trans-1,4-Dichloro-2-butene	93		90		70-130	3		30
Methyl cyclohexane	109		106		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		83		70-130
Toluene-d8	95		94		70-130
4-Bromofluorobenzene	106		104		70-130
Dibromofluoromethane	92		92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 05 Batch: WG1200951-3 WG1200951-4								
Chloroform	110		120		70-130	9		20
Carbon tetrachloride	120		120		63-132	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		25
1,2-Dichloroethane	130		130		70-130	0		20
Benzene	100		110		70-130	10		25
Vinyl chloride	100		100		55-140	0		20
1,1-Dichloroethene	99		100		61-145	1		25
Trichloroethene	100		110		70-130	10		25
1,4-Dichlorobenzene	91		91		70-130	0		20
2-Butanone	**140**	Q	**150**	Q	63-138	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	119		123		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	119		105		70-130
dibromofluoromethane	106		107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1200986-3 WG1200986-4								
Methylene chloride	102		100		70-130	2		30
1,1-Dichloroethane	106		103		70-130	3		30
Chloroform	103		100		70-130	3		30
Carbon tetrachloride	102		99		70-130	3		30
1,2-Dichloropropane	105		105		70-130	0		30
Dibromochloromethane	92		91		70-130	1		30
1,1,2-Trichloroethane	96		95		70-130	1		30
Tetrachloroethene	99		95		70-130	4		30
Chlorobenzene	98		95		70-130	3		30
Trichlorofluoromethane	82		78		70-139	5		30
1,2-Dichloroethane	93		92		70-130	1		30
1,1,1-Trichloroethane	102		100		70-130	2		30
Bromodichloromethane	100		99		70-130	1		30
trans-1,3-Dichloropropene	98		96		70-130	2		30
cis-1,3-Dichloropropene	106		105		70-130	1		30
1,1-Dichloropropene	110		107		70-130	3		30
Bromoform	88		87		70-130	1		30
1,1,2,2-Tetrachloroethane	95		93		70-130	2		30
Benzene	107		105		70-130	2		30
Toluene	103		100		70-130	3		30
Ethylbenzene	101		99		70-130	2		30
Chloromethane	109		105		52-130	4		30
Bromomethane	74		70		57-147	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1200986-3 WG1200986-4								
Vinyl chloride	96		92		67-130	4		30
Chloroethane	82		78		50-151	5		30
1,1-Dichloroethene	110		105		65-135	5		30
trans-1,2-Dichloroethene	108		104		70-130	4		30
Trichloroethene	104		102		70-130	2		30
1,2-Dichlorobenzene	94		93		70-130	1		30
1,3-Dichlorobenzene	98		94		70-130	4		30
1,4-Dichlorobenzene	95		92		70-130	3		30
Methyl tert butyl ether	98		98		66-130	0		30
p/m-Xylene	103		100		70-130	3		30
o-Xylene	102		99		70-130	3		30
cis-1,2-Dichloroethene	105		103		70-130	2		30
Dibromomethane	97		96		70-130	1		30
Styrene	102		100		70-130	2		30
Dichlorodifluoromethane	92		88		30-146	4		30
Acetone	98		102		54-140	4		30
Carbon disulfide	104		101		59-130	3		30
2-Butanone	97		100		70-130	3		30
Vinyl acetate	100		99		70-130	1		30
4-Methyl-2-pentanone	90		92		70-130	2		30
1,2,3-Trichloropropane	91		93		68-130	2		30
2-Hexanone	90		92		70-130	2		30
Bromochloromethane	103		100		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1200986-3 WG1200986-4								
2,2-Dichloropropane	106		102		70-130	4		30
1,2-Dibromoethane	93		94		70-130	1		30
1,3-Dichloropropane	98		97		69-130	1		30
1,1,1,2-Tetrachloroethane	96		94		70-130	2		30
Bromobenzene	96		94		70-130	2		30
n-Butylbenzene	105		101		70-130	4		30
sec-Butylbenzene	106		102		70-130	4		30
tert-Butylbenzene	103		99		70-130	4		30
o-Chlorotoluene	104		101		70-130	3		30
p-Chlorotoluene	103		100		70-130	3		30
1,2-Dibromo-3-chloropropane	87		86		68-130	1		30
Hexachlorobutadiene	101		95		67-130	6		30
Isopropylbenzene	104		101		70-130	3		30
p-Isopropyltoluene	104		101		70-130	3		30
Naphthalene	95		95		70-130	0		30
Acrylonitrile	102		106		70-130	4		30
Tert-Butyl Alcohol	90		93		70-130	3		30
n-Propylbenzene	104		101		70-130	3		30
1,2,3-Trichlorobenzene	97		94		70-130	3		30
1,2,4-Trichlorobenzene	98		95		70-130	3		30
1,3,5-Trimethylbenzene	102		100		70-130	2		30
1,2,4-Trimethylbenzene	102		100		70-130	2		30
Methyl Acetate	96		99		51-146	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1200986-3 WG1200986-4								
Acrolein	100		101		70-130	1		30
Cyclohexane	113		111		59-142	2		30
1,4-Dioxane	103		107		65-136	4		30
Freon-113	109		103		50-139	6		30
p-Diethylbenzene	104		98		70-130	6		30
p-Ethyltoluene	103		100		70-130	3		30
1,2,4,5-Tetramethylbenzene	102		99		70-130	3		30
Ethyl ether	104		102		67-130	2		30
trans-1,4-Dichloro-2-butene	90		90		70-130	0		30
Methyl cyclohexane	110		108		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		84		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	105		104		70-130
Dibromofluoromethane	91		91		70-130

SEMIVOLATILES

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-04
Client ID: RAMP_COMP_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:40
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/25/19 22:16
Analyst: SZ
Percent Solids: 92%
TCLP/SPLP Ext. Date: 01/24/19 05:00

Extraction Method: EPA 3510C
Extraction Date: 01/25/19 08:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	45		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	67		33-120

Project Name: 300 W. 122ND ST.
Project Number: 170500202
Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-04
Client ID: RAMP_COMP_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:40
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/25/19 09:00
Analyst: ALS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/23/19 17:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	68	J	ug/kg	140	18.	1
Benzidine	ND		ug/kg	580	190	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Azobenzene	ND		ug/kg	180	17.	1
Fluoranthene	1600		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	38	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-04 Date Collected: 01/22/19 10:40

Client ID: RAMP_COMP_01 Date Received: 01/22/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	900		ug/kg	110	20.	1
Benzo(a)pyrene	750		ug/kg	140	43.	1
Benzo(b)fluoranthene	940		ug/kg	110	30.	1
Benzo(k)fluoranthene	300		ug/kg	110	28.	1
Chrysene	770		ug/kg	110	18.	1
Acenaphthylene	150		ug/kg	140	27.	1
Anthracene	360		ug/kg	110	34.	1
Benzo(ghi)perylene	430		ug/kg	140	21.	1
Fluorene	120	J	ug/kg	180	17.	1
Phenanthrene	1100		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	130		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	490		ug/kg	140	25.	1
Pyrene	1400		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	54	J	ug/kg	180	17.	1
2-Methylnaphthalene	28	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
n-Nitrosodimethylamine	ND		ug/kg	350	34.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-04 Date Collected: 01/22/19 10:40

Client ID: RAMP_COMP_01 Date Received: 01/22/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	65	J	ug/kg	180	17.	1
Atrazine	ND		ug/kg	140	62.	1
Benzaldehyde	ND		ug/kg	230	48.	1
Caprolactam	ND		ug/kg	180	54.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	52		10-136
4-Terphenyl-d14	65		18-120

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-08
Client ID: SP_COMP_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:55
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/25/19 14:50
Analyst: SZ
Percent Solids: 93%
TCLP/SPLP Ext. Date: 01/24/19 05:00

Extraction Method: EPA 3510C
Extraction Date: 01/25/19 07:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	61		33-120

Project Name: 300 W. 122ND ST.
Project Number: 170500202
Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-08
Client ID: SP_COMP_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:55
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 01/24/19 06:17
Analyst: SZ
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 01/23/19 01:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	580	190	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Azobenzene	ND		ug/kg	180	17.	1
Fluoranthene	220		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-08 Date Collected: 01/22/19 10:55

Client ID: SP_COMP_01 Date Received: 01/22/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	160		ug/kg	100	20.	1
Benzo(a)pyrene	160		ug/kg	140	43.	1
Benzo(b)fluoranthene	210		ug/kg	100	30.	1
Benzo(k)fluoranthene	60	J	ug/kg	100	28.	1
Chrysene	140		ug/kg	100	18.	1
Acenaphthylene	39	J	ug/kg	140	27.	1
Anthracene	34	J	ug/kg	100	34.	1
Benzo(ghi)perylene	110	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	83	J	ug/kg	100	21.	1
Dibenzo(a,h)anthracene	27	J	ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	140	24.	1
Pyrene	220		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
n-Nitrosodimethylamine	ND		ug/kg	350	34.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	39.	1

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-08 Date Collected: 01/22/19 10:55

Client ID: SP_COMP_01 Date Received: 01/22/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
Atrazine	ND		ug/kg	140	62.	1
Benzaldehyde	ND		ug/kg	230	47.	1
Caprolactam	ND		ug/kg	180	53.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	104		10-136
4-Terphenyl-d14	71		18-120

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/24/19 00:17
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 01/23/19 01:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04,08 Batch: WG1200030-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	550	180
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	29.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	29.
Azobenzene	ND		ug/kg	170	16.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	25.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	32.

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/24/19 00:17
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 01/23/19 01:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04,08 Batch: WG1200030-1					
Di-n-octylphthalate	ND		ug/kg	170	57.
Diethyl phthalate	ND		ug/kg	170	15.
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	27.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	39.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	21.
n-Nitrosodimethylamine	ND		ug/kg	330	32.
2,4,6-Trichlorophenol	ND		ug/kg	100	32.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/24/19 00:17
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 01/23/19 01:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04,08 Batch: WG1200030-1					
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	63.
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	78.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	37.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	170	51.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	34.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	84		18-120

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/25/19 13:33
Analyst: SZ
TCLP/SPLP Extraction Date: 01/24/19 05:00

Extraction Method: EPA 3510C
Extraction Date: 01/25/19 07:46

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 04,08 Batch: WG1200862-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	44		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	47		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,08 Batch: WG1200030-2 WG1200030-3								
Acenaphthene	71		74		31-137	4		50
Benzidine	15		15		10-66	0		50
1,2,4-Trichlorobenzene	67		70		38-107	4		50
Hexachlorobenzene	72		75		40-140	4		50
Bis(2-chloroethyl)ether	64		66		40-140	3		50
2-Chloronaphthalene	73		77		40-140	5		50
1,2-Dichlorobenzene	64		67		40-140	5		50
1,3-Dichlorobenzene	63		67		40-140	6		50
1,4-Dichlorobenzene	63		67		28-104	6		50
3,3'-Dichlorobenzidine	54		54		40-140	0		50
2,4-Dinitrotoluene	80		82		40-132	2		50
2,6-Dinitrotoluene	76		78		40-140	3		50
Azobenzene	75		77		40-140	3		50
Fluoranthene	78		80		40-140	3		50
4-Chlorophenyl phenyl ether	73		74		40-140	1		50
4-Bromophenyl phenyl ether	77		77		40-140	0		50
Bis(2-chloroisopropyl)ether	64		68		40-140	6		50
Bis(2-chloroethoxy)methane	69		74		40-117	7		50
Hexachlorobutadiene	69		73		40-140	6		50
Hexachlorocyclopentadiene	74		74		40-140	0		50
Hexachloroethane	65		67		40-140	3		50
Isophorone	71		74		40-140	4		50
Naphthalene	69		72		40-140	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,08 Batch: WG1200030-2 WG1200030-3								
Nitrobenzene	76		79		40-140	4		50
NDPA/DPA	78		79		36-157	1		50
n-Nitrosodi-n-propylamine	71		74		32-121	4		50
Bis(2-ethylhexyl)phthalate	87		87		40-140	0		50
Butyl benzyl phthalate	87		88		40-140	1		50
Di-n-butylphthalate	84		86		40-140	2		50
Di-n-octylphthalate	89		89		40-140	0		50
Diethyl phthalate	76		78		40-140	3		50
Dimethyl phthalate	75		80		40-140	6		50
Benzo(a)anthracene	76		77		40-140	1		50
Benzo(a)pyrene	82		82		40-140	0		50
Benzo(b)fluoranthene	81		80		40-140	1		50
Benzo(k)fluoranthene	75		75		40-140	0		50
Chrysene	73		75		40-140	3		50
Acenaphthylene	77		80		40-140	4		50
Anthracene	74		76		40-140	3		50
Benzo(ghi)perylene	75		77		40-140	3		50
Fluorene	76		79		40-140	4		50
Phenanthrene	72		74		40-140	3		50
Dibenzo(a,h)anthracene	77		79		40-140	3		50
Indeno(1,2,3-cd)pyrene	78		82		40-140	5		50
Pyrene	78		79		35-142	1		50
Biphenyl	76		79		54-104	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,08 Batch: WG1200030-2 WG1200030-3								
4-Chloroaniline	50		53		40-140	6		50
2-Nitroaniline	86		91		47-134	6		50
3-Nitroaniline	52		53		26-129	2		50
4-Nitroaniline	80		82		41-125	2		50
Dibenzofuran	74		75		40-140	1		50
2-Methylnaphthalene	72		74		40-140	3		50
1,2,4,5-Tetrachlorobenzene	74		79		40-117	7		50
Acetophenone	74		77		14-144	4		50
n-Nitrosodimethylamine	58		62		22-100	7		50
2,4,6-Trichlorophenol	86		88		30-130	2		50
p-Chloro-m-cresol	84		90		26-103	7		50
2-Chlorophenol	72		77		25-102	7		50
2,4-Dichlorophenol	81		86		30-130	6		50
2,4-Dimethylphenol	78		81		30-130	4		50
2-Nitrophenol	86		92		30-130	7		50
4-Nitrophenol	93		94		11-114	1		50
2,4-Dinitrophenol	95		101		4-130	6		50
4,6-Dinitro-o-cresol	92		95		10-130	3		50
Pentachlorophenol	81		82		17-109	1		50
Phenol	66		70		26-90	6		50
2-Methylphenol	74		77		30-130.	4		50
3-Methylphenol/4-Methylphenol	74		78		30-130	5		50
2,4,5-Trichlorophenol	88		92		30-130	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,08 Batch: WG1200030-2 WG1200030-3								
Benzoic Acid	72		76		10-110	5		50
Benzyl Alcohol	76		81		40-140	6		50
Carbazole	76		78		54-128	3		50
Atrazine	82		85		40-140	4		50
Benzaldehyde	61		64		40-140	5		50
Caprolactam	79		83		15-130	5		50
2,3,4,6-Tetrachlorophenol	83		87		40-140	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		76		25-120
Phenol-d6	74		77		10-120
Nitrobenzene-d5	78		82		23-120
2-Fluorobiphenyl	72		76		30-120
2,4,6-Tribromophenol	92		93		10-136
4-Terphenyl-d14	75		78		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 04,08 Batch: WG1200862-2 WG1200862-3								
Hexachlorobenzene	43		43		40-140	0		30
2,4-Dinitrotoluene	52		52		40-132	0		30
Hexachlorobutadiene	41		43		28-111	5		30
Hexachloroethane	39		42		21-105	7		30
Nitrobenzene	48		49		40-140	2		30
2,4,6-Trichlorophenol	53		53		30-130	0		30
Pentachlorophenol	52		52		9-103	0		30
2-Methylphenol	45		46		30-130	2		30
3-Methylphenol/4-Methylphenol	45		47		30-130	4		30
2,4,5-Trichlorophenol	54		54		30-130	0		30
Pyridine	21		26		10-66	21		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	41		41		21-120
Phenol-d6	39		40		10-120
Nitrobenzene-d5	50		50		23-120
2-Fluorobiphenyl	44		45		15-120
2,4,6-Tribromophenol	55		54		10-120
4-Terphenyl-d14	44		45		33-120

PETROLEUM HYDROCARBONS

Project Name: 300 W. 122ND ST.
Lab Number: L1902712
Project Number: 170500202
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-02
Client ID: RAMP_EPH_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:35
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 01/24/19 18:26
Analyst: SC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/23/19 15:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	163		mg/kg	24.8	24.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	93		40-140
o-Terphenyl	94		40-140

Project Name: 300 W. 122ND ST.
Lab Number: L1902712
Project Number: 170500202
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-03
Client ID: RAMP_EPH_02
Sample Location: NY, NY

Date Collected: 01/22/19 10:37
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 01/24/19 19:23
Analyst: SC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/23/19 15:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	119		mg/kg	24.9	24.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	97		40-140
o-Terphenyl	96		40-140

Project Name: 300 W. 122ND ST.
Lab Number: L1902712
Project Number: 170500202
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-06
Client ID: SP_EPH_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:50
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 01/23/19 21:22
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/23/19 01:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	199		mg/kg	25.3	25.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	90		40-140
o-Terphenyl	96		40-140

Project Name: 300 W. 122ND ST.
Lab Number: L1902712
Project Number: 170500202
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-07
Client ID: SP_EPH_02
Sample Location: NY, NY

Date Collected: 01/22/19 10:53
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 01/23/19 20:52
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 01/23/19 01:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	149		mg/kg	28.2	28.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	95		40-140
o-Terphenyl	99		40-140

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 01/23/19 11:21
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 01/23/19 01:07

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 06-07 Batch: WG1200031-1					
Total EPH	ND		mg/kg	23.6	23.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	90		40-140
o-Terphenyl	91		40-140

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 01/24/19 18:55
Analyst: SC

Extraction Method: EPA 3546
Extraction Date: 01/23/19 15:46

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 02-03 Batch: WG1200295-1					
Total EPH	ND		mg/kg	22.8	22.8

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	93		40-140
o-Terphenyl	94		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 06-07 Batch: WG1200031-2 WG1200031-3								
Total EPH	116		104		40-140	11		25
Nonane (C9)	72		70		40-140	3		25
Decane (C10)	82		78		40-140	5		25
Dodecane (C12)	82		79		40-140	4		25
Tetradecane (C14)	84		83		40-140	1		25
Hexadecane (C16)	92		89		40-140	3		25
Octadecane (C18)	98		92		40-140	6		25
Eicosane (C20)	99		94		40-140	5		25
Heneicosane (C21)	101		97		40-140	4		25
Docosane (C22)	100		96		40-140	4		25
Tetracosane (C24)	97		94		40-140	3		25
Hexacosane (C26)	100		97		40-140	3		25
Octacosane (C28)	101		98		40-140	3		25
Triacontane (C30)	104		101		40-140	3		25
Dotriacontane (C32)	104		102		40-140	2		25
Tetratriacontane (C34)	105		101		40-140	4		25
Hexatriacontane (C36)	104		102		40-140	2		25
Octatriacontane (C38)	108		103		40-140	5		25
Tetracontane (C40)	105		102		40-140	3		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 06-07 Batch: WG1200031-2 WG1200031-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	88		84		40-140
o-Terphenyl	91		88		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02-03 Batch: WG1200295-2 WG1200295-3								
Total EPH	101		107		40-140	6		25
Nonane (C9)	79		80		40-140	1		25
Decane (C10)	86		87		40-140	1		25
Dodecane (C12)	86		88		40-140	2		25
Tetradecane (C14)	88		92		40-140	4		25
Hexadecane (C16)	92		98		40-140	6		25
Octadecane (C18)	97		103		40-140	6		25
Eicosane (C20)	97		103		40-140	6		25
Heneicosane (C21)	98		103		40-140	5		25
Docosane (C22)	97		103		40-140	6		25
Tetracosane (C24)	98		104		40-140	6		25
Hexacosane (C26)	98		104		40-140	6		25
Octacosane (C28)	96		102		40-140	6		25
Triacontane (C30)	96		102		40-140	6		25
Dotriacontane (C32)	97		103		40-140	6		25
Tetratriacontane (C34)	94		100		40-140	6		25
Hexatriacontane (C36)	97		102		40-140	5		25
Octatriacontane (C38)	97		103		40-140	6		25
Tetracontane (C40)	102		110		40-140	8		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02-03 Batch: WG1200295-2 WG1200295-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	93		97		40-140
o-Terphenyl	93		97		40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 06-07 QC Batch ID: WG1200031-4 QC Sample: L1902778-01 Client ID: MS Sample												
Total EPH	ND	262	278	106		-	-		40-140	-		50
Nonane (C9)	ND	7.29	5.77	79		-	-		40-140	-		50
Decane (C10)	ND	7.29	6.46	89		-	-		40-140	-		50
Dodecane (C12)	ND	7.29	6.24	86		-	-		40-140	-		50
Tetradecane (C14)	ND	7.29	6.24	86		-	-		40-140	-		50
Hexadecane (C16)	ND	7.29	6.64	91		-	-		40-140	-		50
Octadecane (C18)	ND	7.29	6.94	95		-	-		40-140	-		50
Eicosane (C20)	ND	7.29	6.80	93		-	-		40-140	-		50
Heneicosane (C21)	ND	7.29	6.77	93		-	-		40-140	-		50
Docosane (C22)	ND	7.29	6.76	93		-	-		40-140	-		50
Tetracosane (C24)	ND	7.29	6.79	93		-	-		40-140	-		50
Hexacosane (C26)	ND	7.29	6.86	94		-	-		40-140	-		50
Octacosane (C28)	ND	7.29	6.78	93		-	-		40-140	-		50
Triacontane (C30)	ND	7.29	6.87	94		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.29	6.89	95		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.29	6.75	93		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.29	7.12	98		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.29	7.23	99		-	-		40-140	-		50
Tetracontane (C40)	ND	7.29	7.89	108		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	83				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 06-07 QC Batch ID: WG1200031-4 QC Sample: L1902778-01 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	86				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG1200295-4 QC Sample: L1902712-02 Client ID: RAMP_EPH_01												
Total EPH	163	253	482	126		-	-		40-140	-		50
Nonane (C9)	ND	7.03	6.20	88		-	-		40-140	-		50
Decane (C10)	ND	7.03	6.75	96		-	-		40-140	-		50
Dodecane (C12)	ND	7.03	6.97	99		-	-		40-140	-		50
Tetradecane (C14)	ND	7.03	7.13	101		-	-		40-140	-		50
Hexadecane (C16)	ND	7.03	7.31	104		-	-		40-140	-		50
Octadecane (C18)	ND	7.03	7.58	108		-	-		40-140	-		50
Eicosane (C20)	ND	7.03	7.50	107		-	-		40-140	-		50
Heneicosane (C21)	ND	7.03	7.60	108		-	-		40-140	-		50
Docosane (C22)	ND	7.03	7.57	108		-	-		40-140	-		50
Tetracosane (C24)	ND	7.03	7.77	111		-	-		40-140	-		50
Hexacosane (C26)	ND	7.03	7.59	108		-	-		40-140	-		50
Octacosane (C28)	ND	7.03	7.38	105		-	-		40-140	-		50
Triacontane (C30)	ND	7.03	7.34	104		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.03	7.66	109		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.03	7.21	103		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.03	7.99	114		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.03	7.68	109		-	-		40-140	-		50
Tetracontane (C40)	ND	7.03	8.21	117		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	99				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG1200295-4 QC Sample: L1902712-02 Client ID: RAMP_EPH_01												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	102				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 06-07 QC Batch ID: WG1200031-5 QC Sample: L1902778-01 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	92		94		40-140
o-Terphenyl	93		96		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG1200295-5 QC Sample: L1902712-02 Client ID: RAMP_EPH_01						
Total EPH	163	185	mg/kg	13		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	93		100		40-140
o-Terphenyl	94		102		40-140

PCBS

Project Name: 300 W. 122ND ST.
Project Number: 170500202
Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-04
Client ID: RAMP_COMP_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:40
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/25/19 04:56
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/23/19 20:29
Cleanup Method: EPA 3665A
Cleanup Date: 01/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/24/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	3.15	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.52	1	A
Aroclor 1242	ND		ug/kg	35.5	4.78	1	A
Aroclor 1248	ND		ug/kg	35.5	5.32	1	A
Aroclor 1254	12.4	J	ug/kg	35.5	3.88	1	A
Aroclor 1260	7.80	J	ug/kg	35.5	6.56	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	20.2	J	ug/kg	35.5	3.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: 300 W. 122ND ST.
Project Number: 170500202
Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-08
Client ID: SP_COMP_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:55
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/24/19 07:02
Analyst: AWS
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 01/23/19 03:06
Cleanup Method: EPA 3665A
Cleanup Date: 01/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	3.13	1	A
Aroclor 1221	ND		ug/kg	35.2	3.53	1	A
Aroclor 1232	ND		ug/kg	35.2	7.47	1	A
Aroclor 1242	ND		ug/kg	35.2	4.75	1	A
Aroclor 1248	ND		ug/kg	35.2	5.29	1	A
Aroclor 1254	6.44	J	ug/kg	35.2	3.86	1	A
Aroclor 1260	ND		ug/kg	35.2	6.52	1	A
Aroclor 1262	ND		ug/kg	35.2	4.48	1	A
Aroclor 1268	ND		ug/kg	35.2	3.65	1	A
PCBs, Total	6.44	J	ug/kg	35.2	3.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/24/19 07:39
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 01/23/19 03:06
Cleanup Method: EPA 3665A
Cleanup Date: 01/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 01/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04,08 Batch: WG1200045-1						
Aroclor 1016	ND		ug/kg	33.2	2.95	A
Aroclor 1221	ND		ug/kg	33.2	3.33	A
Aroclor 1232	ND		ug/kg	33.2	7.04	A
Aroclor 1242	ND		ug/kg	33.2	4.48	A
Aroclor 1248	ND		ug/kg	33.2	4.98	A
Aroclor 1254	ND		ug/kg	33.2	3.63	A
Aroclor 1260	ND		ug/kg	33.2	6.14	A
Aroclor 1262	ND		ug/kg	33.2	4.22	A
Aroclor 1268	ND		ug/kg	33.2	3.44	A
PCBs, Total	ND		ug/kg	33.2	2.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04,08 Batch: WG1200045-2 WG1200045-3									
Aroclor 1016	69		66		40-140	4		50	A
Aroclor 1260	63		62		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		71		30-150	A
Decachlorobiphenyl	63		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		67		30-150	B
Decachlorobiphenyl	67		66		30-150	B

PESTICIDES

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-04
Client ID: RAMP_COMP_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:40
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/26/19 01:18
Analyst: KEG
Percent Solids: 92%
TCLP/SPLP Ext. Date: 01/24/19 05:00

Extraction Method: EPA 3510C
Extraction Date: 01/25/19 08:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 300 W. 122ND ST.
Project Number: 170500202
Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-04
Client ID: RAMP_COMP_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:40
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/24/19 13:29
Analyst: KEG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 01/23/19 18:24
Cleanup Method: EPA 3620B
Cleanup Date: 01/24/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.704	0.315	1	A
Alpha-BHC	ND		ug/kg	0.704	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.640	1	A
Heptachlor	ND		ug/kg	0.845	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.595	1	A
Heptachlor epoxide	1.42	J	ug/kg	3.17	0.950	1	A
Endrin	ND		ug/kg	0.704	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.739	1	A
Endrin ketone	ND		ug/kg	1.69	0.435	1	A
Dieldrin	1.71		ug/kg	1.06	0.528	1	B
4,4'-DDE	0.405	JIP	ug/kg	1.69	0.391	1	A
4,4'-DDD	ND		ug/kg	1.69	0.602	1	A
4,4'-DDT	5.46	P	ug/kg	3.17	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.399	1	A
Endosulfan II	ND		ug/kg	1.69	0.564	1	A
Endosulfan sulfate	ND		ug/kg	0.704	0.335	1	A
Methoxychlor	ND		ug/kg	3.17	0.985	1	A
Toxaphene	ND		ug/kg	31.7	8.87	1	A
cis-Chlordane	1.70	JIP	ug/kg	2.11	0.588	1	B
trans-Chlordane	1.95	JIP	ug/kg	2.11	0.557	1	A
Chlordane	ND		ug/kg	13.7	5.60	1	A

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-04 Date Collected: 01/22/19 10:40

Client ID: RAMP_COMP_01 Date Received: 01/22/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	90		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	101		30-150	A

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-08
Client ID: SP_COMP_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:55
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/25/19 11:23
Analyst: KEG
Percent Solids: 93%
TCLP/SPLP Ext. Date: 01/24/19 05:00

Extraction Method: EPA 3510C
Extraction Date: 01/25/19 07:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 300 W. 122ND ST.
Lab Number: L1902712
Project Number: 170500202
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-08
Client ID: SP_COMP_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:55
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/23/19 18:19
Analyst: KEG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 01/23/19 03:08
Cleanup Method: EPA 3620B
Cleanup Date: 01/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.330	1	A
Lindane	ND		ug/kg	0.702	0.314	1	A
Alpha-BHC	ND		ug/kg	0.702	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.639	1	A
Heptachlor	ND		ug/kg	0.842	0.378	1	A
Aldrin	ND		ug/kg	1.68	0.593	1	A
Heptachlor epoxide	ND		ug/kg	3.16	0.948	1	A
Endrin	ND		ug/kg	0.702	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.737	1	A
Endrin ketone	ND		ug/kg	1.68	0.434	1	A
Dieldrin	ND		ug/kg	1.05	0.526	1	A
4,4'-DDE	1.35	J	ug/kg	1.68	0.390	1	B
4,4'-DDD	ND		ug/kg	1.68	0.601	1	A
4,4'-DDT	1.77	J	ug/kg	3.16	1.35	1	B
Endosulfan I	ND		ug/kg	1.68	0.398	1	A
Endosulfan II	ND		ug/kg	1.68	0.563	1	A
Endosulfan sulfate	ND		ug/kg	0.702	0.334	1	A
Methoxychlor	ND		ug/kg	3.16	0.983	1	A
Toxaphene	ND		ug/kg	31.6	8.84	1	A
cis-Chlordane	0.765	JIP	ug/kg	2.10	0.587	1	B
trans-Chlordane	ND		ug/kg	2.10	0.556	1	A
Chlordane	ND		ug/kg	13.7	5.58	1	A

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-08 Date Collected: 01/22/19 10:55

Client ID: SP_COMP_01 Date Received: 01/22/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	120		30-150	B
Decachlorobiphenyl	116		30-150	B
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	92		30-150	A

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/23/19 13:34
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 01/23/19 03:08
Cleanup Method: EPA 3620B
Cleanup Date: 01/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04,08 Batch: WG1200046-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.658	0.294	A
Alpha-BHC	ND		ug/kg	0.658	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.599	A
Heptachlor	ND		ug/kg	0.789	0.354	A
Aldrin	ND		ug/kg	1.58	0.556	A
Heptachlor epoxide	ND		ug/kg	2.96	0.888	A
Endrin	ND		ug/kg	0.658	0.270	A
Endrin aldehyde	ND		ug/kg	1.97	0.691	A
Endrin ketone	ND		ug/kg	1.58	0.406	A
Dieldrin	ND		ug/kg	0.987	0.493	A
4,4'-DDE	ND		ug/kg	1.58	0.365	A
4,4'-DDD	ND		ug/kg	1.58	0.563	A
4,4'-DDT	ND		ug/kg	2.96	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.373	A
Endosulfan II	ND		ug/kg	1.58	0.528	A
Endosulfan sulfate	ND		ug/kg	0.658	0.313	A
Methoxychlor	ND		ug/kg	2.96	0.921	A
Toxaphene	ND		ug/kg	29.6	8.29	A
cis-Chlordane	ND		ug/kg	1.97	0.550	A
trans-Chlordane	ND		ug/kg	1.97	0.521	A
Chlordane	ND		ug/kg	12.8	5.23	A

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/23/19 13:34
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 01/23/19 03:08
Cleanup Method: EPA 3620B
Cleanup Date: 01/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04,08 Batch: WG1200046-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	118		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	102		30-150	A

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/25/19 10:45
Analyst: KEG
TCLP/SPLP Extraction Date: 01/24/19 05:00

Extraction Method: EPA 3510C
Extraction Date: 01/25/19 07:45

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 04,08 Batch: WG1200861-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	82		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04,08 Batch: WG1200046-2 WG1200046-3									
Delta-BHC	92		98		30-150	6		30	A
Lindane	87		95		30-150	9		30	A
Alpha-BHC	94		102		30-150	8		30	A
Beta-BHC	80		84		30-150	5		30	A
Heptachlor	97		105		30-150	8		30	A
Aldrin	93		100		30-150	7		30	A
Heptachlor epoxide	88		98		30-150	11		30	A
Endrin	98		106		30-150	8		30	A
Endrin aldehyde	78		86		30-150	10		30	A
Endrin ketone	94		104		30-150	10		30	A
Dieldrin	102		111		30-150	8		30	A
4,4'-DDE	90		97		30-150	7		30	A
4,4'-DDD	94		102		30-150	8		30	A
4,4'-DDT	90		98		30-150	9		30	A
Endosulfan I	85		91		30-150	7		30	A
Endosulfan II	89		97		30-150	9		30	A
Endosulfan sulfate	81		90		30-150	11		30	A
Methoxychlor	77		85		30-150	10		30	A
cis-Chlordane	69		74		30-150	7		30	A
trans-Chlordane	71		75		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04,08 Batch: WG1200046-2 WG1200046-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		82		30-150	B
Decachlorobiphenyl	110		105		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		82		30-150	A
Decachlorobiphenyl	96		102		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 04,08 Batch: WG1200861-2 WG1200861-3									
Lindane	69		73		30-150	5		20	A
Heptachlor	70		72		30-150	4		20	A
Heptachlor epoxide	73		76		30-150	4		20	A
Endrin	76		79		30-150	4		20	A
Methoxychlor	86		87		30-150	2		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		68		30-150	A
Decachlorobiphenyl	76		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		76		30-150	B
Decachlorobiphenyl	91		90		30-150	B

METALS

Project Name: 300 W. 122ND ST.
Lab Number: L1902712
Project Number: 170500202
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-04
Client ID: RAMP_COMP_01
Sample Location: NY, NY
Date Collected: 01/22/19 10:40
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%
TCLP/SPLP Ext. Date: 01/24/19 05:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	01/25/19 07:29	01/25/19 10:34	EPA 3015	1,6010D	LC
Barium, TCLP	0.621		mg/l	0.500	0.021	1	01/25/19 07:29	01/25/19 10:34	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	01/25/19 07:29	01/25/19 10:34	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/25/19 07:29	01/25/19 10:34	EPA 3015	1,6010D	LC
Lead, TCLP	0.103	J	mg/l	0.500	0.027	1	01/25/19 07:29	01/25/19 10:34	EPA 3015	1,6010D	LC
Mercury, TCLP	0.0008	J	mg/l	0.0010	0.0005	1	01/25/19 07:04	01/25/19 12:47	EPA 7470A	1,7470A	GD
Selenium, TCLP	0.055	J	mg/l	0.500	0.035	1	01/25/19 07:29	01/25/19 10:34	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/25/19 07:29	01/25/19 10:34	EPA 3015	1,6010D	LC

Project Name: 300 W. 122ND ST.
Lab Number: L1902712
Project Number: 170500202
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-04
Client ID: RAMP_COMP_01
Sample Location: NY, NY
Date Collected: 01/22/19 10:40
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4860		mg/kg	8.45	2.28	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Antimony, Total	0.482	J	mg/kg	4.22	0.321	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Arsenic, Total	2.31		mg/kg	0.845	0.176	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Barium, Total	55.3		mg/kg	0.845	0.147	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Beryllium, Total	0.186	J	mg/kg	0.422	0.028	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.845	0.083	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Calcium, Total	13400		mg/kg	8.45	2.96	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Chromium, Total	10.4		mg/kg	0.845	0.081	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Cobalt, Total	4.23		mg/kg	1.69	0.140	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Copper, Total	19.2		mg/kg	0.845	0.218	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Iron, Total	8790		mg/kg	4.22	0.763	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Lead, Total	69.6		mg/kg	4.22	0.226	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Magnesium, Total	2420		mg/kg	8.45	1.30	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Manganese, Total	206		mg/kg	0.845	0.134	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Mercury, Total	0.184		mg/kg	0.068	0.014	1	01/23/19 05:50	01/23/19 14:06	EPA 7471B	1,7471B	MG
Nickel, Total	8.68		mg/kg	2.11	0.204	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Potassium, Total	813		mg/kg	211	12.2	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Selenium, Total	0.422	J	mg/kg	1.69	0.218	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.845	0.239	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Sodium, Total	188		mg/kg	169	2.66	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.69	0.266	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Vanadium, Total	17.2		mg/kg	0.845	0.172	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC
Zinc, Total	61.8		mg/kg	4.22	0.248	2	01/24/19 16:14	01/24/19 20:18	EPA 3050B	1,6010D	MC

Project Name: 300 W. 122ND ST.
Lab Number: L1902712
Project Number: 170500202
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-08
Client ID: SP_COMP_01
Sample Location: NY, NY
Date Collected: 01/22/19 10:55
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%
TCLP/SPLP Ext. Date: 01/24/19 05:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	01/25/19 07:29	01/25/19 10:17	EPA 3015	1,6010D	LC
Barium, TCLP	0.605		mg/l	0.500	0.021	1	01/25/19 07:29	01/25/19 10:17	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	01/25/19 07:29	01/25/19 10:17	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/25/19 07:29	01/25/19 10:17	EPA 3015	1,6010D	LC
Lead, TCLP	0.112	J	mg/l	0.500	0.027	1	01/25/19 07:29	01/25/19 10:17	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	01/25/19 07:04	01/25/19 12:42	EPA 7470A	1,7470A	GD
Selenium, TCLP	0.044	J	mg/l	0.500	0.035	1	01/25/19 07:29	01/25/19 10:17	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/25/19 07:29	01/25/19 10:17	EPA 3015	1,6010D	LC

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-08 Date Collected: 01/22/19 10:55

Client ID: SP_COMP_01 Date Received: 01/22/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2560		mg/kg	8.44	2.28	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.22	0.321	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Arsenic, Total	0.574	J	mg/kg	0.844	0.176	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Barium, Total	23.4		mg/kg	0.844	0.147	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Beryllium, Total	0.143	J	mg/kg	0.422	0.028	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.844	0.083	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Calcium, Total	2790		mg/kg	8.44	2.95	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Chromium, Total	5.94		mg/kg	0.844	0.081	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Cobalt, Total	2.51		mg/kg	1.69	0.140	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Copper, Total	9.46		mg/kg	0.844	0.218	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Iron, Total	5020		mg/kg	4.22	0.762	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Lead, Total	20.8		mg/kg	4.22	0.226	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Magnesium, Total	1210		mg/kg	8.44	1.30	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Manganese, Total	152		mg/kg	0.844	0.134	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Mercury, Total	0.070		mg/kg	0.068	0.014	1	01/23/19 05:50	01/23/19 14:08	EPA 7471B	1,7471B	MG
Nickel, Total	5.96		mg/kg	2.11	0.204	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Potassium, Total	427		mg/kg	211	12.2	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.69	0.218	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.844	0.239	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Sodium, Total	75.8	J	mg/kg	169	2.66	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.69	0.266	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Vanadium, Total	7.71		mg/kg	0.844	0.171	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB
Zinc, Total	32.3		mg/kg	4.22	0.247	2	01/23/19 18:11	01/23/19 22:28	EPA 3050B	1,6010D	AB

Project Name: 300 W. 122ND ST.
Project Number: 170500202
Lab Number: L1902712
Report Date: 01/29/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 04,08 Batch: WG1200055-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	01/23/19 05:50	01/23/19 13:36	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08 Batch: WG1200256-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Antimony, Total	0.204	J	mg/kg	2.00	0.152	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Calcium, Total	2.80	J	mg/kg	4.00	1.40	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Iron, Total	0.764	J	mg/kg	2.00	0.361	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Manganese, Total	0.088	J	mg/kg	0.400	0.064	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Sodium, Total	3.91	J	mg/kg	80.0	1.26	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB
Zinc, Total	ND		mg/kg	2.00	0.117	1	01/23/19 18:11	01/23/19 21:58	1,6010D	AB

Project Name: 300 W. 122ND ST. **Lab Number:** L1902712

Project Number: 170500202 **Report Date:** 01/29/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 04 Batch: WG1200639-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Iron, Total	ND		mg/kg	2.00	0.361	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Manganese, Total	ND		mg/kg	0.400	0.064	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Sodium, Total	ND		mg/kg	80.0	1.26	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	01/24/19 16:14	01/24/19 20:09	1,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Project Name: 300 W. 122ND ST.
Project Number: 170500202
Lab Number: L1902712
Report Date: 01/29/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 04,08 Batch: WG1200835-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	01/25/19 07:04	01/25/19 12:40	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 01/24/19 05:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 04,08 Batch: WG1200838-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	01/25/19 07:29	01/25/19 10:09	1,6010D	LC
Barium, TCLP	0.036	J	mg/l	0.500	0.021	1	01/25/19 07:29	01/25/19 10:09	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	01/25/19 07:29	01/25/19 10:09	1,6010D	LC
Chromium, TCLP	0.061	J	mg/l	0.200	0.021	1	01/25/19 07:29	01/25/19 10:09	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/25/19 07:29	01/25/19 10:09	1,6010D	LC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	01/25/19 07:29	01/25/19 10:09	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/25/19 07:29	01/25/19 10:09	1,6010D	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 01/24/19 05:00

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04,08 Batch: WG1200055-2 SRM Lot Number: D101-540								
Mercury, Total	102		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG1200256-2 SRM Lot Number: D101-540					
Aluminum, Total	66	-	50-151	-	
Antimony, Total	171	-	3-196	-	
Arsenic, Total	101	-	83-117	-	
Barium, Total	88	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	101	-	83-117	-	
Calcium, Total	92	-	81-119	-	
Chromium, Total	93	-	81-118	-	
Cobalt, Total	102	-	84-116	-	
Copper, Total	94	-	83-116	-	
Iron, Total	90	-	62-138	-	
Lead, Total	91	-	83-117	-	
Magnesium, Total	80	-	76-124	-	
Manganese, Total	88	-	82-118	-	
Nickel, Total	100	-	82-117	-	
Potassium, Total	82	-	71-130	-	
Selenium, Total	93	-	79-121	-	
Silver, Total	92	-	80-120	-	
Sodium, Total	99	-	72-127	-	
Thallium, Total	93	-	81-119	-	
Vanadium, Total	90	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG1200256-2 SRM Lot Number: D101-540					
Zinc, Total	98	-	81-119	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04 Batch: WG1200639-2 SRM Lot Number: D101-540					
Aluminum, Total	66	-	50-151	-	
Antimony, Total	155	-	3-196	-	
Arsenic, Total	94	-	83-117	-	
Barium, Total	83	-	83-118	-	
Beryllium, Total	89	-	83-117	-	
Cadmium, Total	91	-	83-117	-	
Calcium, Total	84	-	81-119	-	
Chromium, Total	86	-	81-118	-	
Cobalt, Total	92	-	84-116	-	
Copper, Total	88	-	83-116	-	
Iron, Total	86	-	62-138	-	
Lead, Total	87	-	83-117	-	
Magnesium, Total	77	-	76-124	-	
Manganese, Total	82	-	82-118	-	
Nickel, Total	92	-	82-117	-	
Potassium, Total	79	-	71-130	-	
Selenium, Total	93	-	79-121	-	
Silver, Total	84	-	80-120	-	
Sodium, Total	95	-	72-127	-	
Thallium, Total	90	-	81-119	-	
Vanadium, Total	90	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04 Batch: WG1200639-2 SRM Lot Number: D101-540					
Zinc, Total	92	-	81-119	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,08 Batch: WG1200835-2					
Mercury, TCLP	100	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,08 Batch: WG1200838-2					
Arsenic, TCLP	114	-	75-125	-	20
Barium, TCLP	104	-	75-125	-	20
Cadmium, TCLP	108	-	75-125	-	20
Chromium, TCLP	102	-	75-125	-	20
Lead, TCLP	102	-	75-125	-	20
Selenium, TCLP	111	-	75-125	-	20
Silver, TCLP	100	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04,08 QC Batch ID: WG1200055-3 WG1200055-4 QC Sample: L1902659-05 Client ID: MS Sample												
Mercury, Total	0.076	0.142	0.241	116		0.327	**177**	Q	80-120	**30**	Q	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1200256-3 QC Sample: L1902745-10 Client ID: MS Sample										
Aluminum, Total	4780	196	5660	**448**	Q	-	-	75-125	-	20
Antimony, Total	2.11J	49.1	51.6	105		-	-	75-125	-	20
Arsenic, Total	6.95	11.8	18.9	101		-	-	75-125	-	20
Barium, Total	644	196	1310	**339**	Q	-	-	75-125	-	20
Beryllium, Total	0.201J	4.91	4.62	94		-	-	75-125	-	20
Cadmium, Total	0.460J	5.01	4.99	100		-	-	75-125	-	20
Calcium, Total	51000	982	53200	**224**	Q	-	-	75-125	-	20
Chromium, Total	15.4	19.6	32.7	88		-	-	75-125	-	20
Cobalt, Total	4.97	49.1	48.5	89		-	-	75-125	-	20
Copper, Total	32.8	24.5	55.3	92		-	-	75-125	-	20
Iron, Total	12300	98.2	14400	**2140**	Q	-	-	75-125	-	20
Lead, Total	486	50.1	515	**58**	Q	-	-	75-125	-	20
Magnesium, Total	3920	982	4240	**32**	Q	-	-	75-125	-	20
Manganese, Total	286	49.1	314	**57**	Q	-	-	75-125	-	20
Nickel, Total	13.0	49.1	53.4	82		-	-	75-125	-	20
Potassium, Total	681	982	1800	114		-	-	75-125	-	20
Selenium, Total	0.786J	11.8	12.1	103		-	-	75-125	-	20
Silver, Total	ND	29.4	31.8	108		-	-	75-125	-	20
Sodium, Total	363	982	1440	110		-	-	75-125	-	20
Thallium, Total	ND	11.8	8.99	76		-	-	75-125	-	20
Vanadium, Total	20.8	49.1	66.2	92		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1200256-3 QC Sample: L1902745-10 Client ID: MS Sample										
Zinc, Total	795	49.1	809	**28**	Q	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1200639-3 QC Sample: L1902712-04 Client ID: RAMP_COMP_01										
Aluminum, Total	4860	167	5790	**556**	Q	-	-	75-125	-	20
Antimony, Total	0.482J	41.8	40.6	97		-	-	75-125	-	20
Arsenic, Total	2.31	10	14.3	119		-	-	75-125	-	20
Barium, Total	55.3	167	230	104		-	-	75-125	-	20
Beryllium, Total	0.186J	4.18	4.32	103		-	-	75-125	-	20
Cadmium, Total	ND	4.26	3.93	92		-	-	75-125	-	20
Calcium, Total	13400	836	13400	**0**	Q	-	-	75-125	-	20
Chromium, Total	10.4	16.7	28.9	110		-	-	75-125	-	20
Cobalt, Total	4.23	41.8	43.8	95		-	-	75-125	-	20
Copper, Total	19.2	20.9	40.9	104		-	-	75-125	-	20
Iron, Total	8790	83.6	11300	**3000**	Q	-	-	75-125	-	20
Lead, Total	69.6	42.6	116	109		-	-	75-125	-	20
Magnesium, Total	2420	836	3380	115		-	-	75-125	-	20
Manganese, Total	206	41.8	278	**172**	Q	-	-	75-125	-	20
Nickel, Total	8.68	41.8	48.5	95		-	-	75-125	-	20
Potassium, Total	813	836	1860	125		-	-	75-125	-	20
Selenium, Total	0.422J	10	10.5	105		-	-	75-125	-	20
Silver, Total	ND	25.1	28.6	114		-	-	75-125	-	20
Sodium, Total	188	836	1120	111		-	-	75-125	-	20
Thallium, Total	ND	10	8.82	88		-	-	75-125	-	20
Vanadium, Total	17.2	41.8	61.8	107		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1200639-3 QC Sample: L1902712-04 Client ID: RAMP_COMP_01									
Zinc, Total	61.8	41.8	94.6	78	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,08 QC Batch ID: WG1200835-3 QC Sample: L1902712-08 Client ID: SP_COMP_01									
Mercury, TCLP	ND	0.025	0.0237	95	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,08 QC Batch ID: WG1200838-3 QC Sample: L1902712-08 Client ID: SP_COMP_01									
Arsenic, TCLP	ND	1.2	1.30	108	-	-	75-125	-	20
Barium, TCLP	0.605	20	20.6	100	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.531	104	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.96	98	-	-	75-125	-	20
Lead, TCLP	0.112J	5.1	5.16	101	-	-	75-125	-	20
Selenium, TCLP	0.044J	1.2	1.28	107	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.477	95	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1200256-4 QC Sample: L1902745-10 Client ID: DUP Sample						
Aluminum, Total	4780	5110	mg/kg	7		20
Antimony, Total	2.11J	1.91J	mg/kg	NC		20
Arsenic, Total	6.95	6.58	mg/kg	5		20
Barium, Total	644	1000	mg/kg	**43**	Q	20
Beryllium, Total	0.201J	0.211J	mg/kg	NC		20
Cadmium, Total	0.460J	0.492J	mg/kg	NC		20
Calcium, Total	51000	53000	mg/kg	4		20
Chromium, Total	15.4	14.7	mg/kg	5		20
Cobalt, Total	4.97	4.63	mg/kg	7		20
Copper, Total	32.8	30.9	mg/kg	6		20
Iron, Total	12300	11800	mg/kg	4		20
Lead, Total	486	508	mg/kg	4		20
Magnesium, Total	3920	3360	mg/kg	15		20
Manganese, Total	286	270	mg/kg	6		20
Nickel, Total	13.0	10.1	mg/kg	**25**	Q	20
Potassium, Total	681	772	mg/kg	13		20
Selenium, Total	0.786J	0.753J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	363	427	mg/kg	16		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1200256-4 QC Sample: L1902745-10 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	20.8	18.2	mg/kg	13	20
Zinc, Total	795	764	mg/kg	4	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1200639-4 QC Sample: L1902712-04 Client ID: RAMP_COMP_01						
Aluminum, Total	4860	3710	mg/kg	**27**	Q	20
Antimony, Total	0.482J	0.378J	mg/kg	NC		20
Arsenic, Total	2.31	1.93	mg/kg	18		20
Barium, Total	55.3	45.4	mg/kg	20		20
Beryllium, Total	0.186J	0.155J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	13400	8640	mg/kg	**43**	Q	20
Chromium, Total	10.4	10.4	mg/kg	0		20
Cobalt, Total	4.23	4.04	mg/kg	5		20
Copper, Total	19.2	14.0	mg/kg	**31**	Q	20
Iron, Total	8790	6920	mg/kg	**24**	Q	20
Lead, Total	69.6	70.6	mg/kg	1		20
Magnesium, Total	2420	2190	mg/kg	10		20
Manganese, Total	206	179	mg/kg	14		20
Nickel, Total	8.68	9.04	mg/kg	4		20
Potassium, Total	813	692	mg/kg	16		20
Selenium, Total	0.422J	0.499J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	188	141J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1200639-4 QC Sample: L1902712-04 Client ID: RAMP_COMP_01						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	17.2	13.0	mg/kg	**28**	Q	20
Zinc, Total	61.8	76.7	mg/kg	**22**	Q	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,08 QC Batch ID: WG1200835-4 QC Sample: L1902712-08 Client ID: SP_COMP_01						
Mercury, TCLP	ND	0.0009J	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,08 QC Batch ID: WG1200838-4 QC Sample: L1902712-08 Client ID: SP_COMP_01						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.605	0.591	mg/l	2		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.112J	0.130J	mg/l	NC		20
Selenium, TCLP	0.044J	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-01
Client ID: RAMP_GRAB_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:00
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	01/23/19 10:22	121,2540G	RI

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-02
Client ID: RAMP_EPH_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:35
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.7		%	0.100	NA	1	-	01/23/19 10:22	121,2540G	RI

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-03
Client ID: RAMP_EPH_02
Sample Location: NY, NY

Date Collected: 01/22/19 10:37
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.7		%	0.100	NA	1	-	01/23/19 10:22	121,2540G	RI

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-04
Client ID: RAMP_COMP_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:40
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	01/23/19 10:22	121,2540G	RI
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	01/24/19 17:52	1,9095B	AS

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-05
Client ID: SP_GRAB_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:17
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.7		%	0.100	NA	1	-	01/23/19 10:22	121,2540G	RI

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-06
Client ID: SP_EPH_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:50
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	01/23/19 10:22	121,2540G	RI

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-07
Client ID: SP_EPH_02
Sample Location: NY, NY

Date Collected: 01/22/19 10:53
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.3		%	0.100	NA	1	-	01/23/19 10:22	121,2540G	RI

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

SAMPLE RESULTS

Lab ID: L1902712-08
Client ID: SP_COMP_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:55
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	01/23/19 10:22	121,2540G	RI
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	01/24/19 17:52	1,9095B	AS

Lab Duplicate Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1902712

Report Date: 01/29/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1200164-1 QC Sample: L1902744-01 Client ID: DUP Sample						
Solids, Total	86.3	87.3	%	1		20

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1902712-01A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1902712-01B	Vial water preserved	A	NA		3.2	Y	Absent	23-JAN-19 00:37	NYTCL-8260HLW(14)
L1902712-01C	Vial water preserved	A	NA		3.2	Y	Absent	23-JAN-19 00:37	NYTCL-8260HLW(14)
L1902712-01D	Vial Large Septa unpreserved (4oz)	A	NA		3.2	Y	Absent		TCLP-EXT-ZHE(14)
L1902712-01E	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1902712-01X	Vial unpreserved Extracts	A	NA		3.2	Y	Absent		TCLP-VOA(14)
L1902712-01Y	Vial unpreserved Extracts	A	NA		3.2	Y	Absent		TCLP-VOA(14)
L1902712-02A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJEPH-TPH-CAT1(14),TS(7)
L1902712-02B	Vial Large Septa unpreserved (4oz)	A	NA		3.2	Y	Absent		HOLD-PETRO(14)
L1902712-02X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		HOLD-PETRO(14)
L1902712-03A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJEPH-TPH-CAT1(14),TS(7)
L1902712-03B	Vial Large Septa unpreserved (4oz)	A	NA		3.2	Y	Absent		HOLD-PETRO(14)
L1902712-03X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		HOLD-PETRO(14)
L1902712-04A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1902712-04B	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1902712-04C	Glass 500ml/16oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1902712-04W	Amber 1000ml unpreserved Extracts	A	NA		3.2	Y	Absent		TCLP-8270(14),PEST-TCLP*(14)
L1902712-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1902712-04X9	Tumble Vessel	A	NA		3.2	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1902712
Report Date: 01/29/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1902712-05A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1902712-05B	Vial water preserved	A	NA		3.2	Y	Absent	23-JAN-19 00:37	NYTCL-8260HLW(14)
L1902712-05C	Vial water preserved	A	NA		3.2	Y	Absent	23-JAN-19 00:37	NYTCL-8260HLW(14)
L1902712-05D	Vial Large Septa unpreserved (4oz)	A	NA		3.2	Y	Absent		TCLP-EXT-ZHE(14)
L1902712-05E	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1902712-05X	Vial unpreserved Extracts	A	NA		3.2	Y	Absent		TCLP-VOA(14)
L1902712-05Y	Vial unpreserved Extracts	A	NA		3.2	Y	Absent		TCLP-VOA(14)
L1902712-06A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJEPH-TPH-CAT1(14),TS(7)
L1902712-06B	Vial Large Septa unpreserved (4oz)	A	NA		3.2	Y	Absent		HOLD-PETRO(14)
L1902712-06X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		HOLD-PETRO(14)
L1902712-07A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJEPH-TPH-CAT1(14),TS(7)
L1902712-07B	Vial Large Septa unpreserved (4oz)	A	NA		3.2	Y	Absent		HOLD-PETRO(14)
L1902712-07X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		HOLD-PETRO(14)
L1902712-08A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1902712-08B	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1902712-08C	Glass 500ml/16oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1902712-08W	Amber 1000ml unpreserved Extracts	A	NA		3.2	Y	Absent		TCLP-8270(14),PEST-TCLP*(14)
L1902712-08X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1902712-08X9	Tumble Vessel	A	NA		3.2	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	300 W. 122ND ST.	**Lab Number:**	L1902712
Project Number:	170500202	**Report Date:**	01/29/19

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	300 W. 122ND ST.	**Lab Number:**	L1902712
Project Number:	170500202	**Report Date:**	01/29/19

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.

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.

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).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	300 W. 122ND ST.	**Lab Number:**	L1902712
Project Number:	170500202	**Report Date:**	01/29/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
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.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, 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; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 01/22/19

ALPHA Job #: L1902712

Client Information

Client: Langan, OPC
Address:
Phone:
Fax:
Email: GWYKA@LANGAN.COM

Project Information

Project Name: 300 W. 122nd St
Project Location: NY, NY
Project #: 170500202
(Use Project name as Project #): ☐
Project Manager: Greg Wyka
ALPHAQuote #:

Turn-Around Time

Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☒ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs, TCLP VOCs	EPH-DRO+GRO	TCL SVOCs	Pesticides	PCBs	TAL Metals	TCLP SVOCs, Pesticides, Metals, Paint Filter	Sample Specific Comments	Total Bottle
02712-01	RAMP_GRAB_01	01/22	1000	SOIL	AS	X								
02	RAMP_EPH_01		1035				X							
03	RAMP_EPH_02		1037				X							
04	RAMP_COMP_01		1040					X	X	X	X	X	X	
05	SP_GRAB_01		1017			X								
06	SP_EPH_01		1050				X							
07	SP_EPH_02		1053				X							
08	SP_COMP_01		1055					X	X	X	X	X	X	

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Stappenbeck	01/22/19 1115	[illegible]	1/22/19 11:11
[illegible]	1/22/19 14:46	D. Santos ABL	1/22/19 1900
D. Santos ABL	1/22/19 2245	[signature]	1/22/19 2245

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1904192
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	300 W. 122ND ST.
Project Number:	170500202
Report Date:	02/04/19

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), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1904192
Report Date: 02/04/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1904192-01	RAMP_EPH_01	SOIL	NY, NY	01/22/19 10:35	01/22/19
L1904192-02	RAMP_EPH_02	SOIL	NY, NY	01/22/19 10:37	01/22/19
L1904192-03	SP_EPH_01	SOIL	NY, NY	01/22/19 10:50	01/22/19
L1904192-04	SP_EPH_02	SOIL	NY, NY	01/22/19 10:53	01/22/19

Project Name:	300 W. 122ND ST.	**Lab Number:**	L1904192
Project Number:	170500202	**Report Date:**	02/04/19

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

Project Name:	300 W. 122ND ST.	**Lab Number:**	L1904192
Project Number:	170500202	**Report Date:**	02/04/19

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.

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: Kelly Stenstrom

Title: Technical Director/Representative Date: 02/04/19

ORGANICS

PETROLEUM HYDROCARBONS

Project Name: 300 W. 122ND ST.
Lab Number: L1904192
Project Number: 170500202
Report Date: 02/04/19

SAMPLE RESULTS

Lab ID: L1904192-01
Client ID: RAMP_EPH_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:35
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 02/02/19 11:17
Analyst: MZ
Percent Solids: 92%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	2000	J	ug/kg	2800	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	110		70-130
4-Bromofluorobenzene	109		70-130

Project Name: 300 W. 122ND ST.
Lab Number: L1904192
Project Number: 170500202
Report Date: 02/04/19

SAMPLE RESULTS

Lab ID: L1904192-02
Client ID: RAMP_EPH_02
Sample Location: NY, NY

Date Collected: 01/22/19 10:37
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 02/02/19 11:58
Analyst: MZ
Percent Solids: 92%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	2100	J	ug/kg	2700	52.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	111		70-130
4-Bromofluorobenzene	110		70-130

Project Name: 300 W. 122ND ST.
Lab Number: L1904192
Project Number: 170500202
Report Date: 02/04/19

SAMPLE RESULTS

Lab ID: L1904192-03
Client ID: SP_EPH_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:50
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 02/02/19 12:39
Analyst: MZ
Percent Solids: 92%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	13000		ug/kg	2700	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	109		70-130
4-Bromofluorobenzene	107		70-130

Project Name: 300 W. 122ND ST.
Lab Number: L1904192
Project Number: 170500202
Report Date: 02/04/19

SAMPLE RESULTS

Lab ID: L1904192-04
Client ID: SP_EPH_02
Sample Location: NY, NY

Date Collected: 01/22/19 10:53
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 02/02/19 13:19
Analyst: MZ
Percent Solids: 84%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	13000		ug/kg	3100	59.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	107		70-130
4-Bromofluorobenzene	106		70-130

Project Name: 300 W. 122ND ST. **Lab Number:** L1904192

Project Number: 170500202 **Report Date:** 02/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 02/02/19 10:37
Analyst: MZ

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01-04 Batch: WG1203301-11					
Gasoline Range Organics	760	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	107		70-130
4-Bromofluorobenzene	108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1904192

Report Date: 02/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 01-04		Batch: WG1203301-9		WG1203301-10			
Gasoline Range Organics	105		105		80-120	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	112		109		70-130
4-Bromofluorobenzene	112		112		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1904192
Report Date: 02/04/19

SAMPLE RESULTS

Lab ID: L1904192-01
Client ID: RAMP_EPH_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:35
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.7		%	0.100	NA	1	-	01/23/19 10:22	121,2540G	RI

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1904192
Report Date: 02/04/19

SAMPLE RESULTS

Lab ID: L1904192-02
Client ID: RAMP_EPH_02
Sample Location: NY, NY

Date Collected: 01/22/19 10:37
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.7		%	0.100	NA	1	-	01/23/19 10:22	121,2540G	RI

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1904192
Report Date: 02/04/19

SAMPLE RESULTS

Lab ID: L1904192-03
Client ID: SP_EPH_01
Sample Location: NY, NY

Date Collected: 01/22/19 10:50
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	01/23/19 10:22	121,2540G	RI

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1904192
Report Date: 02/04/19

SAMPLE RESULTS

Lab ID: L1904192-04
Client ID: SP_EPH_02
Sample Location: NY, NY

Date Collected: 01/22/19 10:53
Date Received: 01/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.3		%	0.100	NA	1	-	01/23/19 10:22	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 300 W. 122ND ST.

Project Number: 170500202

Lab Number: L1904192

Report Date: 02/04/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1200164-1 QC Sample: L1902744-01 Client ID: DUP Sample						
Solids, Total	86.3	87.3	%	1		20

Project Name: 300 W. 122ND ST.
Project Number: 170500202

Lab Number: L1904192
Report Date: 02/04/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1904192-01A	Vial MeOH preserved split	A	NA		3.2	Y	Absent		TPH-GRO(14)
L1904192-02A	Vial MeOH preserved split	A	NA		3.2	Y	Absent		TPH-GRO(14)
L1904192-03A	Vial MeOH preserved split	A	NA		3.2	Y	Absent		TPH-GRO(14)
L1904192-04A	Vial MeOH preserved split	A	NA		3.2	Y	Absent		TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name:	300 W. 122ND ST.	**Lab Number:**	L1904192
Project Number:	170500202	**Report Date:**	02/04/19

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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
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.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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.

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.

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.

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).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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.

Project Name:	300 W. 122ND ST.	**Lab Number:**	L1904192
Project Number:	170500202	**Report Date:**	02/04/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
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.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, 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; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd In Lab: 01/22/19

ALPHA Job #: L1902772

Project Information
- Project Name: 300 W. 122nd St
- Project Location: NY, NY
- Project #: 170500202
- (Use Project name as Project #): ☐
- Project Manager: Greg Wyka
- ALPHAQuote #:

Turn-Around Time
- Standard: ☒ Due Date:
- Rush (only if pre approved): ☐ # of Days:

Client Information
- Client: Langan, DPC
- Address:
- Phone:
- Fax:
- Email: GWYKA@LANGAN.COM

Deliverables
- ☐ ASP-A ☐ ASP-B
- ☐ EQuIS (1 File) ☐ EQuIS (4 File)
- ☐ Other

Regulatory Requirement
- ☐ NY TOGS ☐ NY Part 375
- ☐ AWQ Standards ☐ NY CP-51
- ☐ NY Restricted Use ☐ Other
- ☐ NY Unrestricted Use
- ☐ NYC Sewer Discharge

Billing Information
- ☒ Same as Client Info
- PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
- ☒ NJ ☒ NY
- ☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

04192-01

*TPH-GRO

Please specify Metals or TAL.

Sample Filtration
- ☐ Done
- ☐ Lab to do

Preservation
- ☐ Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs, TCL SVOCs	EPH-DRO+GRO	TCL SVOCs	Pesticides	PCBs	TAL Metals	TCLP VOCs, Pesticides, Metals	Paint Filter	Sample Specific Comments	Total Bottle
02	RAMP_GRAB_01	01/22	1000	SOIL	AS	X								*	
02	RAMP_EPH_01		1035				X							*	
-02 03	RAMP_EPH_02		1037				X								
04	RAMP_COMP_01		1040					X	X	X	X	X	X		
05	SP_GRAB_01		1017			X									
-03 06	SP_EPH_01		1050				X							*	
-04 07	SP_EPH_02		1053				X							*	
08	SP_COMP_01		1055					X	X	X	X	X	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type															
Preservative															

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Stappenbeck	01/22/19 1115	[illegible]	1/22/19 11:1
[illegible]	1/22/19 14:46	D. Santos ABL	1/22/19 1900
D. Santos ABL	1/22/19 2245	[illegible]	1/22/19 2245

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1918143
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	300 WEST 122ND ST.
Project Number:	170500202
Report Date:	05/06/19

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1918143-01	WC01,3_GRAB01	SOIL	NY, NY	05/02/19 08:30	05/02/19
L1918143-02	WC01,3_COMP01	SOIL	NY, NY	05/02/19 08:35	05/02/19
L1918143-03	RAMP2_GRAB01	SOIL	NY, NY	05/02/19 08:40	05/02/19
L1918143-04	RAMP2_COMP01	SOIL	NY, NY	05/02/19 08:45	05/02/19
L1918143-05	RAMP2_GRAB02	SOIL	NY, NY	05/02/19 13:30	05/02/19
L1918143-06	WC01,3_GRAB02	SOIL	NY, NY	05/02/19 13:35	05/02/19

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1918143
Project Number:	170500202	**Report Date:**	05/06/19

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143
Project Number: 170500202 **Report Date:** 05/06/19

Case Narrative (continued)

Report Submission

May 06, 2019: This final report includes the results of all requested analyses.

May 03, 2019: This is a preliminary report.

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

Volatile Organics

L1918143-01 was analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies. Further re-analysis could not be performed due to the existing vials being compromised.

TCLP Semivolatiles

The WG1233694-3 LCSD recovery, associated with L1918143-02 and -04, is below the acceptance criteria for pyridine (7%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L1918143-02 and -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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: Kelly Stenstrom

Title: Technical Director/Representative Date: 05/06/19

ORGANICS

VOLATILES

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-01
Client ID: WC01,3_GRAB01
Sample Location: NY, NY

Date Collected: 05/02/19 08:30
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/05/19 13:47
Analyst: MM
Percent Solids: 91%
TCLP/SPLP Ext. Date: 05/03/19 13:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
dibromofluoromethane	107		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-01
Client ID: WC01,3_GRAB01
Sample Location: NY, NY

Date Collected: 05/02/19 08:30
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/19 11:11
Analyst: NLK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	12	5.3	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.33	1
Chloroform	ND		ug/kg	3.4	0.32	1
Carbon tetrachloride	ND		ug/kg	2.3	0.53	1
1,2-Dichloropropane	ND		ug/kg	2.3	0.29	1
Dibromochloromethane	ND		ug/kg	2.3	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.61	1
Tetrachloroethene	ND		ug/kg	1.2	0.45	1
Chlorobenzene	ND		ug/kg	1.2	0.29	1
Trichlorofluoromethane	ND		ug/kg	9.2	1.6	1
1,2-Dichloroethane	ND		ug/kg	2.3	0.59	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.38	1
Bromodichloromethane	ND		ug/kg	1.2	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	2.3	0.63	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.36	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.36	1
1,1-Dichloropropene	ND		ug/kg	1.2	0.36	1
Bromoform	ND		ug/kg	9.2	0.57	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Benzene	ND		ug/kg	1.2	0.38	1
Toluene	ND		ug/kg	2.3	1.2	1
Ethylbenzene	ND		ug/kg	2.3	0.32	1
Chloromethane	ND		ug/kg	9.2	2.1	1
Bromomethane	ND		ug/kg	4.6	1.3	1
Vinyl chloride	ND		ug/kg	2.3	0.77	1
Chloroethane	ND		ug/kg	4.6	1.0	1
1,1-Dichloroethene	ND		ug/kg	2.3	0.55	1
trans-1,2-Dichloroethene	ND		ug/kg	3.4	0.32	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-01 Date Collected: 05/02/19 08:30

Client ID: WC01,3_GRAB01 Date Received: 05/02/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.32	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.33	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.34	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.39	1
Methyl tert butyl ether	ND		ug/kg	4.6	0.46	1
p/m-Xylene	ND		ug/kg	4.6	1.3	1
o-Xylene	ND		ug/kg	2.3	0.67	1
Xylenes, Total	ND		ug/kg	2.3	0.67	1
cis-1,2-Dichloroethene	ND		ug/kg	2.3	0.40	1
Dibromomethane	ND		ug/kg	4.6	0.55	1
Styrene	ND		ug/kg	2.3	0.45	1
Dichlorodifluoromethane	ND		ug/kg	23	2.1	1
Acetone	730	E	ug/kg	23	11.	1
Carbon disulfide	ND		ug/kg	23	10.	1
2-Butanone	ND		ug/kg	23	5.1	1
Vinyl acetate	ND		ug/kg	23	4.9	1
4-Methyl-2-pentanone	ND		ug/kg	23	2.9	1
1,2,3-Trichloropropane	ND		ug/kg	4.6	0.29	1
2-Hexanone	ND		ug/kg	23	2.7	1
Bromochloromethane	ND		ug/kg	4.6	0.47	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.46	1
1,2-Dibromoethane	ND		ug/kg	2.3	0.64	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.38	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.30	1
Bromobenzene	ND		ug/kg	4.6	0.33	1
n-Butylbenzene	ND		ug/kg	2.3	0.38	1
sec-Butylbenzene	ND		ug/kg	2.3	0.34	1
tert-Butylbenzene	ND		ug/kg	4.6	0.27	1
o-Chlorotoluene	ND		ug/kg	4.6	0.44	1
p-Chlorotoluene	ND		ug/kg	4.6	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.9	2.3	1
Hexachlorobutadiene	ND		ug/kg	9.2	0.39	1
Isopropylbenzene	ND		ug/kg	2.3	0.25	1
p-Isopropyltoluene	ND		ug/kg	2.3	0.25	1
Naphthalene	3.0	J	ug/kg	9.2	1.5	1
Acrylonitrile	ND		ug/kg	9.2	2.6	1
Tert-Butyl Alcohol	600		ug/kg	46	12.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-01 Date Collected: 05/02/19 08:30

Client ID: WC01,3_GRAB01 Date Received: 05/02/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.3	0.39	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.74	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.62	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.44	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.77	1
Methyl Acetate	150		ug/kg	9.2	2.2	1
Acrolein	ND		ug/kg	58	13.	1
Cyclohexane	ND		ug/kg	23	1.2	1
1,4-Dioxane	ND		ug/kg	180	81.	1
Freon-113	ND		ug/kg	9.2	1.6	1
p-Diethylbenzene	ND		ug/kg	4.6	0.41	1
p-Ethyltoluene	ND		ug/kg	4.6	0.88	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.44	1
Ethyl ether	ND		ug/kg	4.6	0.78	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.3	1
Methyl cyclohexane	ND		ug/kg	9.2	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-01
Client ID: WC01,3_GRAB01
Sample Location: NY, NY

Date Collected: 05/02/19 08:30
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/19 14:14
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	330	150	1
1,1-Dichloroethane	ND		ug/kg	67	9.7	1
Chloroform	ND		ug/kg	100	9.4	1
Carbon tetrachloride	ND		ug/kg	67	15.	1
1,2-Dichloropropane	ND		ug/kg	67	8.4	1
Dibromochloromethane	ND		ug/kg	67	9.4	1
1,1,2-Trichloroethane	ND		ug/kg	67	18.	1
Tetrachloroethene	ND		ug/kg	33	13.	1
Chlorobenzene	ND		ug/kg	33	8.5	1
Trichlorofluoromethane	ND		ug/kg	270	46.	1
1,2-Dichloroethane	ND		ug/kg	67	17.	1
1,1,1-Trichloroethane	ND		ug/kg	33	11.	1
Bromodichloromethane	ND		ug/kg	33	7.3	1
trans-1,3-Dichloropropene	ND		ug/kg	67	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	33	10.	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.36	1
1,1-Dichloropropene	ND		ug/kg	33	11.	1
Bromoform	ND		ug/kg	270	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	33	11.	1
Benzene	16	J	ug/kg	33	11.	1
Toluene	48	J	ug/kg	67	36.	1
Ethylbenzene	13	J	ug/kg	67	9.4	1
Chloromethane	ND		ug/kg	270	62.	1
Bromomethane	ND		ug/kg	130	39.	1
Vinyl chloride	ND		ug/kg	67	22.	1
Chloroethane	ND		ug/kg	130	30.	1
1,1-Dichloroethene	ND		ug/kg	67	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.2	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-01 Date Collected: 05/02/19 08:30

Client ID: WC01,3_GRAB01 Date Received: 05/02/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	33	9.2	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.6	1
1,3-Dichlorobenzene	ND		ug/kg	130	9.9	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	49	J	ug/kg	130	37.	1
o-Xylene	ND		ug/kg	67	19.	1
Xylenes, Total	49	J	ug/kg	2.3	0.67	1
cis-1,2-Dichloroethene	ND		ug/kg	67	12.	1
Dibromomethane	ND		ug/kg	130	16.	1
Styrene	ND		ug/kg	67	13.	1
Dichlorodifluoromethane	ND		ug/kg	670	61.	1
Acetone	ND		ug/kg	670	320	1
Carbon disulfide	ND		ug/kg	670	300	1
2-Butanone	ND		ug/kg	670	150	1
Vinyl acetate	ND		ug/kg	670	140	1
4-Methyl-2-pentanone	ND		ug/kg	670	86.	1
1,2,3-Trichloropropane	ND		ug/kg	130	8.5	1
2-Hexanone	ND		ug/kg	670	79.	1
Bromochloromethane	ND		ug/kg	130	14.	1
2,2-Dichloropropane	ND		ug/kg	130	14.	1
1,2-Dibromoethane	ND		ug/kg	67	19.	1
1,3-Dichloropropane	ND		ug/kg	130	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	33	8.8	1
Bromobenzene	ND		ug/kg	130	9.7	1
n-Butylbenzene	ND		ug/kg	67	11.	1
sec-Butylbenzene	ND		ug/kg	67	9.8	1
tert-Butylbenzene	ND		ug/kg	130	7.9	1
o-Chlorotoluene	ND		ug/kg	130	13.	1
p-Chlorotoluene	ND		ug/kg	130	7.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	67.	1
Hexachlorobutadiene	ND		ug/kg	270	11.	1
Isopropylbenzene	ND		ug/kg	67	7.3	1
p-Isopropyltoluene	ND		ug/kg	67	7.3	1
Naphthalene	62	J	ug/kg	270	43.	1
Acrylonitrile	ND		ug/kg	270	77.	1
Tert-Butyl Alcohol	ND		ug/kg	1300	340	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-01 Date Collected: 05/02/19 08:30

Client ID: WC01,3_GRAB01 Date Received: 05/02/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	67	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	18.	1
1,3,5-Trimethylbenzene	ND		ug/kg	130	13.	1
1,2,4-Trimethylbenzene	ND		ug/kg	130	22.	1
Methyl Acetate	180	J	ug/kg	270	64.	1
Acrolein	ND		ug/kg	1700	380	1
Cyclohexane	ND		ug/kg	670	36.	1
1,4-Dioxane	ND		ug/kg	5300	2300	1
Freon-113	ND		ug/kg	270	46.	1
p-Diethylbenzene	12	J	ug/kg	130	12.	1
p-Ethyltoluene	ND		ug/kg	130	26.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	130	13.	1
Ethyl ether	ND		ug/kg	130	23.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	330	95.	1
Methyl cyclohexane	ND		ug/kg	270	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-03
Client ID: RAMP2_GRAB01
Sample Location: NY, NY

Date Collected: 05/02/19 08:40
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/05/19 14:13
Analyst: MM
Percent Solids: 92%
TCLP/SPLP Ext. Date: 05/03/19 13:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
dibromofluoromethane	113		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-03
Client ID: RAMP2_GRAB01
Sample Location: NY, NY

Date Collected: 05/02/19 08:40
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/19 11:37
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.2	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-03 Date Collected: 05/02/19 08:40

Client ID: RAMP2_GRAB01 Date Received: 05/02/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	0.34	J	ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.97	1
Acetone	11		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	0.75	J	ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1
Tert-Butyl Alcohol	ND		ug/kg	21	5.5	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-03 Date Collected: 05/02/19 08:40

Client ID: RAMP2_GRAB01 Date Received: 05/02/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
Methyl Acetate	2.7	J	ug/kg	4.2	1.0	1
Acrolein	ND		ug/kg	26	6.0	1
Cyclohexane	ND		ug/kg	11	0.58	1
1,4-Dioxane	ND		ug/kg	85	37.	1
Freon-113	ND		ug/kg	4.2	0.74	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Methyl cyclohexane	ND		ug/kg	4.2	0.64	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	104		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1233375-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1233375-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1233375-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1233375-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	104		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1233395-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1233395-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6
p-Chlorotoluene	ND		ug/kg	100	5.4

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1233395-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
Tert-Butyl Alcohol	ND		ug/kg	1000	260
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Acrolein	ND		ug/kg	1200	280
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/19 08:09
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1233395-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	104		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/05/19 12:56
Analyst: AD
TCLP/SPLP Extraction Date: 05/03/19 13:25

Extraction Date: 05/03/19 13:25

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01,03 Batch: WG1233859-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
dibromofluoromethane	113		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1233375-3 WG1233375-4								
Methylene chloride	99		100		70-130	1		30
1,1-Dichloroethane	108		110		70-130	2		30
Chloroform	122		119		70-130	2		30
Carbon tetrachloride	127		**132**	Q	70-130	4		30
1,2-Dichloropropane	104		104		70-130	0		30
Dibromochloromethane	114		115		70-130	1		30
1,1,2-Trichloroethane	103		103		70-130	0		30
Tetrachloroethene	112		114		70-130	2		30
Chlorobenzene	108		109		70-130	1		30
Trichlorofluoromethane	**149**	Q	**151**	Q	70-139	1		30
1,2-Dichloroethane	114		114		70-130	0		30
1,1,1-Trichloroethane	127		129		70-130	2		30
Bromodichloromethane	118		121		70-130	3		30
trans-1,3-Dichloropropene	112		109		70-130	3		30
cis-1,3-Dichloropropene	117		118		70-130	1		30
1,1-Dichloropropene	115		118		70-130	3		30
Bromoform	110		111		70-130	1		30
1,1,2,2-Tetrachloroethane	94		92		70-130	2		30
Benzene	111		112		70-130	1		30
Toluene	107		108		70-130	1		30
Ethylbenzene	112		114		70-130	2		30
Chloromethane	117		121		52-130	3		30
Bromomethane	118		122		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1233375-3 WG1233375-4								
Vinyl chloride	**131**	Q	**136**	Q	67-130	4		30
Chloroethane	147		**152**	Q	50-151	3		30
1,1-Dichloroethene	115		116		65-135	1		30
trans-1,2-Dichloroethene	113		118		70-130	4		30
Trichloroethene	117		118		70-130	1		30
1,2-Dichlorobenzene	104		106		70-130	2		30
1,3-Dichlorobenzene	105		108		70-130	3		30
1,4-Dichlorobenzene	103		105		70-130	2		30
Methyl tert butyl ether	117		117		66-130	0		30
p/m-Xylene	115		116		70-130	1		30
o-Xylene	115		117		70-130	2		30
cis-1,2-Dichloroethene	116		117		70-130	1		30
Dibromomethane	114		115		70-130	1		30
Styrene	119		121		70-130	2		30
Dichlorodifluoromethane	**147**	Q	**150**	Q	30-146	2		30
Acetone	104		99		54-140	5		30
Carbon disulfide	109		110		59-130	1		30
2-Butanone	91		85		70-130	7		30
Vinyl acetate	93		91		70-130	2		30
4-Methyl-2-pentanone	82		82		70-130	0		30
1,2,3-Trichloropropane	96		97		68-130	1		30
2-Hexanone	80		77		70-130	4		30
Bromochloromethane	121		120		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1233375-3 WG1233375-4								
2,2-Dichloropropane	124		126		70-130	2		30
1,2-Dibromoethane	108		107		70-130	1		30
1,3-Dichloropropane	105		103		69-130	2		30
1,1,1,2-Tetrachloroethane	116		117		70-130	1		30
Bromobenzene	105		109		70-130	4		30
n-Butylbenzene	105		108		70-130	3		30
sec-Butylbenzene	109		111		70-130	2		30
tert-Butylbenzene	111		116		70-130	4		30
o-Chlorotoluene	105		109		70-130	4		30
p-Chlorotoluene	106		110		70-130	4		30
1,2-Dibromo-3-chloropropane	102		100		68-130	2		30
Hexachlorobutadiene	114		119		67-130	4		30
Isopropylbenzene	109		113		70-130	4		30
p-Isopropyltoluene	112		116		70-130	4		30
Naphthalene	107		108		70-130	1		30
Acrylonitrile	96		94		70-130	2		30
Tert-Butyl Alcohol	104		100		70-130	4		30
n-Propylbenzene	105		108		70-130	3		30
1,2,3-Trichlorobenzene	106		107		70-130	1		30
1,2,4-Trichlorobenzene	107		108		70-130	1		30
1,3,5-Trimethylbenzene	111		116		70-130	4		30
1,2,4-Trimethylbenzene	112		115		70-130	3		30
Methyl Acetate	86		84		51-146	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1233375-3 WG1233375-4								
Acrolein	90		88		70-130	2		30
Cyclohexane	99		100		59-142	1		30
1,4-Dioxane	108		106		65-136	2		30
Freon-113	114		114		50-139	0		30
p-Diethylbenzene	110		113		70-130	3		30
p-Ethyltoluene	110		112		70-130	2		30
1,2,4,5-Tetramethylbenzene	115		118		70-130	3		30
Ethyl ether	**132**	Q	**134**	Q	67-130	2		30
trans-1,4-Dichloro-2-butene	92		89		70-130	3		30
Methyl cyclohexane	109		110		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		100		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	103		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1233395-3 WG1233395-4								
Methylene chloride	99		100		70-130	1		30
1,1-Dichloroethane	108		110		70-130	2		30
Chloroform	122		119		70-130	2		30
Carbon tetrachloride	127		**132**	Q	70-130	4		30
1,2-Dichloropropane	104		104		70-130	0		30
Dibromochloromethane	114		115		70-130	1		30
1,1,2-Trichloroethane	103		103		70-130	0		30
Tetrachloroethene	112		114		70-130	2		30
Chlorobenzene	108		109		70-130	1		30
Trichlorofluoromethane	**149**	Q	**151**	Q	70-139	1		30
1,2-Dichloroethane	114		114		70-130	0		30
1,1,1-Trichloroethane	127		129		70-130	2		30
Bromodichloromethane	118		121		70-130	3		30
trans-1,3-Dichloropropene	112		109		70-130	3		30
cis-1,3-Dichloropropene	117		118		70-130	1		30
1,1-Dichloropropene	115		118		70-130	3		30
Bromoform	110		111		70-130	1		30
1,1,2,2-Tetrachloroethane	94		92		70-130	2		30
Benzene	111		112		70-130	1		30
Toluene	107		108		70-130	1		30
Ethylbenzene	112		114		70-130	2		30
Chloromethane	117		121		52-130	3		30
Bromomethane	118		122		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1233395-3 WG1233395-4								
Vinyl chloride	**131**	Q	**136**	Q	67-130	4		30
Chloroethane	147		**152**	Q	50-151	3		30
1,1-Dichloroethene	115		116		65-135	1		30
trans-1,2-Dichloroethene	113		118		70-130	4		30
Trichloroethene	117		118		70-130	1		30
1,2-Dichlorobenzene	104		106		70-130	2		30
1,3-Dichlorobenzene	105		108		70-130	3		30
1,4-Dichlorobenzene	103		105		70-130	2		30
Methyl tert butyl ether	117		117		66-130	0		30
p/m-Xylene	115		116		70-130	1		30
o-Xylene	115		117		70-130	2		30
cis-1,2-Dichloroethene	116		117		70-130	1		30
Dibromomethane	114		115		70-130	1		30
Styrene	119		121		70-130	2		30
Dichlorodifluoromethane	**147**	Q	**150**	Q	30-146	2		30
Acetone	104		99		54-140	5		30
Carbon disulfide	109		110		59-130	1		30
2-Butanone	91		85		70-130	7		30
Vinyl acetate	93		91		70-130	2		30
4-Methyl-2-pentanone	82		82		70-130	0		30
1,2,3-Trichloropropane	96		97		68-130	1		30
2-Hexanone	80		77		70-130	4		30
Bromochloromethane	121		120		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1233395-3 WG1233395-4								
2,2-Dichloropropane	124		126		70-130	2		30
1,2-Dibromoethane	108		107		70-130	1		30
1,3-Dichloropropane	105		103		69-130	2		30
1,1,1,2-Tetrachloroethane	116		117		70-130	1		30
Bromobenzene	105		109		70-130	4		30
n-Butylbenzene	105		108		70-130	3		30
sec-Butylbenzene	109		111		70-130	2		30
tert-Butylbenzene	111		116		70-130	4		30
o-Chlorotoluene	105		109		70-130	4		30
p-Chlorotoluene	106		110		70-130	4		30
1,2-Dibromo-3-chloropropane	102		100		68-130	2		30
Hexachlorobutadiene	114		119		67-130	4		30
Isopropylbenzene	109		113		70-130	4		30
p-Isopropyltoluene	112		116		70-130	4		30
Naphthalene	107		108		70-130	1		30
Acrylonitrile	96		94		70-130	2		30
Tert-Butyl Alcohol	104		100		70-130	4		30
n-Propylbenzene	105		108		70-130	3		30
1,2,3-Trichlorobenzene	106		107		70-130	1		30
1,2,4-Trichlorobenzene	107		108		70-130	1		30
1,3,5-Trimethylbenzene	111		116		70-130	4		30
1,2,4-Trimethylbenzene	112		115		70-130	3		30
Methyl Acetate	86		84		51-146	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1233395-3 WG1233395-4								
Acrolein	90		88		70-130	2		30
Cyclohexane	99		100		59-142	1		30
1,4-Dioxane	108		106		65-136	2		30
Freon-113	114		114		50-139	0		30
p-Diethylbenzene	110		113		70-130	3		30
p-Ethyltoluene	110		112		70-130	2		30
1,2,4,5-Tetramethylbenzene	115		118		70-130	3		30
Ethyl ether	**132**	Q	**134**	Q	67-130	2		30
trans-1,4-Dichloro-2-butene	92		89		70-130	3		30
Methyl cyclohexane	109		110		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		100		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	103		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01,03 Batch: WG1233859-3 WG1233859-4								
Chloroform	120		110		70-130	9		20
Carbon tetrachloride	120		120		63-132	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		100		75-130	10		25
1,2-Dichloroethane	120		110		70-130	9		20
Benzene	100		100		70-130	0		25
Vinyl chloride	110		100		55-140	10		20
1,1-Dichloroethene	120		110		61-145	9		25
Trichloroethene	110		110		70-130	0		25
1,4-Dichlorobenzene	110		110		70-130	0		20
2-Butanone	110		110		63-138	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		98		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	97		102		70-130
dibromofluoromethane	105		104		70-130

SEMIVOLATILES

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-02
Client ID: WC01,3_COMP01
Sample Location: NY, NY

Date Collected: 05/02/19 08:35
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/06/19 11:01
Analyst: IM
Percent Solids: 78%
TCLP/SPLP Ext. Date: 05/03/19 05:53

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 15:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	82		33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-02
Client ID: WC01,3_COMP01
Sample Location: NY, NY

Date Collected: 05/02/19 08:35
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/03/19 15:01
Analyst: SZ
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 05/03/19 01:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Benzidine	ND		ug/kg	690	230	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Azobenzene	ND		ug/kg	210	20.	1
Fluoranthene	840		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	59	J	ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-02 Date Collected: 05/02/19 08:35

Client ID: WC01,3_COMP01 Date Received: 05/02/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	490		ug/kg	120	24.	1
Benzo(a)pyrene	490		ug/kg	170	51.	1
Benzo(b)fluoranthene	640		ug/kg	120	35.	1
Benzo(k)fluoranthene	200		ug/kg	120	34.	1
Chrysene	460		ug/kg	120	22.	1
Acenaphthylene	170		ug/kg	170	32.	1
Anthracene	160		ug/kg	120	41.	1
Benzo(ghi)perylene	270		ug/kg	170	25.	1
Fluorene	93	J	ug/kg	210	20.	1
Phenanthrene	620		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	70	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	300		ug/kg	170	29.	1
Pyrene	700		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	480	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	87.	1
Dibenzofuran	52	J	ug/kg	210	20.	1
2-Methylnaphthalene	39	J	ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
n-Nitrosodimethylamine	ND		ug/kg	420	40.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	79.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-02 Date Collected: 05/02/19 08:35

Client ID: WC01,3_COMP01 Date Received: 05/02/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	83	J	ug/kg	210	20.	1
Atrazine	ND		ug/kg	170	73.	1
Benzaldehyde	ND		ug/kg	280	56.	1
Caprolactam	ND		ug/kg	210	64.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	78		18-120

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1918143
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-04
Client ID: RAMP2_COMP01
Sample Location: NY, NY

Date Collected: 05/02/19 08:45
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/06/19 11:27
Analyst: IM
Percent Solids: 78%
TCLP/SPLP Ext. Date: 05/03/19 05:53

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 15:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	77		33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-04
Client ID: RAMP2_COMP01
Sample Location: NY, NY

Date Collected: 05/02/19 08:45
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/03/19 15:27
Analyst: SZ
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 05/03/19 01:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1000		ug/kg	170	22.	1
Benzidine	ND		ug/kg	690	230	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Azobenzene	ND		ug/kg	210	20.	1
Fluoranthene	7300		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	940		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-04 Date Collected: 05/02/19 08:45

Client ID: RAMP2_COMP01 Date Received: 05/02/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	4200		ug/kg	130	24.	1
Benzo(a)pyrene	3100		ug/kg	170	51.	1
Benzo(b)fluoranthene	3700		ug/kg	130	35.	1
Benzo(k)fluoranthene	1000		ug/kg	130	34.	1
Chrysene	3800		ug/kg	130	22.	1
Acenaphthylene	190		ug/kg	170	32.	1
Anthracene	2200		ug/kg	130	41.	1
Benzo(ghi)perylene	1400		ug/kg	170	25.	1
Fluorene	1200		ug/kg	210	20.	1
Phenanthrene	9700	E	ug/kg	130	26.	1
Dibenzo(a,h)anthracene	370		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	1500		ug/kg	170	29.	1
Pyrene	7500		ug/kg	130	21.	1
Biphenyl	100	J	ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	87.	1
Dibenzofuran	740		ug/kg	210	20.	1
2-Methylnaphthalene	370		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
n-Nitrosodimethylamine	ND		ug/kg	420	40.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	79.	1
4-Nitrophenol	ND		ug/kg	290	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-04 Date Collected: 05/02/19 08:45

Client ID: RAMP2_COMP01 Date Received: 05/02/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	710		ug/kg	210	20.	1
Atrazine	ND		ug/kg	170	74.	1
Benzaldehyde	ND		ug/kg	280	57.	1
Caprolactam	ND		ug/kg	210	64.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	79		18-120

Project Name: 300 WEST 122ND ST.
Lab Number: L1918143
Project Number: 170500202
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-04 D
Client ID: RAMP2_COMP01
Sample Location: NY, NY

Date Collected: 05/02/19 08:45
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/03/19 17:11
Analyst: SZ
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 05/03/19 01:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenanthrene	8200		ug/kg	630	130	5

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/03/19 15:11
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 05/03/19 01:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04 Batch: WG1233112-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	540	180
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Azobenzene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/03/19 15:11
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 05/03/19 01:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04 Batch: WG1233112-1					
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
n-Nitrosodimethylamine	ND		ug/kg	330	32.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/03/19 15:11
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 05/03/19 01:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04 Batch: WG1233112-1					
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	91		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/06/19 12:46
Analyst: IM
TCLP/SPLP Extraction Date: 05/01/19 16:35

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 15:36

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 02,04 Batch: WG1233694-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	76		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG1233112-2 WG1233112-3								
Acenaphthene	87		84		31-137	4		50
Benzidine	21		19		10-66	10		50
1,2,4-Trichlorobenzene	85		84		38-107	1		50
Hexachlorobenzene	90		85		40-140	6		50
Bis(2-chloroethyl)ether	83		80		40-140	4		50
2-Chloronaphthalene	89		87		40-140	2		50
1,2-Dichlorobenzene	81		79		40-140	3		50
1,3-Dichlorobenzene	77		76		40-140	1		50
1,4-Dichlorobenzene	78		78		28-104	0		50
3,3'-Dichlorobenzidine	74		66		40-140	11		50
2,4-Dinitrotoluene	97		94		40-132	3		50
2,6-Dinitrotoluene	96		94		40-140	2		50
Azobenzene	92		90		40-140	2		50
Fluoranthene	93		88		40-140	6		50
4-Chlorophenyl phenyl ether	89		84		40-140	6		50
4-Bromophenyl phenyl ether	91		87		40-140	4		50
Bis(2-chloroisopropyl)ether	88		85		40-140	3		50
Bis(2-chloroethoxy)methane	91		87		40-117	4		50
Hexachlorobutadiene	80		80		40-140	0		50
Hexachlorocyclopentadiene	86		82		40-140	5		50
Hexachloroethane	80		79		40-140	1		50
Isophorone	94		89		40-140	5		50
Naphthalene	84		84		40-140	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG1233112-2 WG1233112-3								
Nitrobenzene	89		87		40-140	2		50
NDPA/DPA	92		87		36-157	6		50
n-Nitrosodi-n-propylamine	92		88		32-121	4		50
Bis(2-ethylhexyl)phthalate	97		92		40-140	5		50
Butyl benzyl phthalate	95		92		40-140	3		50
Di-n-butylphthalate	94		90		40-140	4		50
Di-n-octylphthalate	100		94		40-140	6		50
Diethyl phthalate	91		88		40-140	3		50
Dimethyl phthalate	93		90		40-140	3		50
Benzo(a)anthracene	94		89		40-140	5		50
Benzo(a)pyrene	88		84		40-140	5		50
Benzo(b)fluoranthene	94		88		40-140	7		50
Benzo(k)fluoranthene	91		90		40-140	1		50
Chrysene	90		86		40-140	5		50
Acenaphthylene	92		89		40-140	3		50
Anthracene	92		89		40-140	3		50
Benzo(ghi)perylene	90		88		40-140	2		50
Fluorene	90		87		40-140	3		50
Phenanthrene	88		86		40-140	2		50
Dibenzo(a,h)anthracene	90		86		40-140	5		50
Indeno(1,2,3-cd)pyrene	90		88		40-140	2		50
Pyrene	92		89		35-142	3		50
Biphenyl	93		89		54-104	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG1233112-2 WG1233112-3								
4-Chloroaniline	62		59		40-140	5		50
2-Nitroaniline	99		95		47-134	4		50
3-Nitroaniline	67		64		26-129	5		50
4-Nitroaniline	89		83		41-125	7		50
Dibenzofuran	88		86		40-140	2		50
2-Methylnaphthalene	89		86		40-140	3		50
1,2,4,5-Tetrachlorobenzene	91		88		40-117	3		50
Acetophenone	92		89		14-144	3		50
n-Nitrosodimethylamine	78		77		22-100	1		50
2,4,6-Trichlorophenol	97		94		30-130	3		50
p-Chloro-m-cresol	93		89		26-103	4		50
2-Chlorophenol	89		86		25-102	3		50
2,4-Dichlorophenol	95		90		30-130	5		50
2,4-Dimethylphenol	93		88		30-130	6		50
2-Nitrophenol	97		92		30-130	5		50
4-Nitrophenol	100		92		11-114	8		50
2,4-Dinitrophenol	85		80		4-130	6		50
4,6-Dinitro-o-cresol	104		97		10-130	7		50
Pentachlorophenol	82		77		17-109	6		50
Phenol	83		80		26-90	4		50
2-Methylphenol	92		88		30-130.	4		50
3-Methylphenol/4-Methylphenol	92		87		30-130	6		50
2,4,5-Trichlorophenol	97		89		30-130	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG1233112-2 WG1233112-3								
Benzoic Acid	56		56		10-110	0		50
Benzyl Alcohol	91		87		40-140	4		50
Carbazole	92		88		54-128	4		50
Atrazine	113		107		40-140	5		50
Benzaldehyde	88		86		40-140	2		50
Caprolactam	95		94		15-130	1		50
2,3,4,6-Tetrachlorophenol	90		86		40-140	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	87		84		25-120
Phenol-d6	90		85		10-120
Nitrobenzene-d5	94		89		23-120
2-Fluorobiphenyl	92		89		30-120
2,4,6-Tribromophenol	96		87		10-136
4-Terphenyl-d14	95		92		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 02,04 Batch: WG1233694-2 WG1233694-3								
Hexachlorobenzene	72		70		40-140	3		30
2,4-Dinitrotoluene	82		77		40-132	6		30
Hexachlorobutadiene	77		75		28-111	3		30
Hexachloroethane	73		69		21-105	6		30
Nitrobenzene	77		76		40-140	1		30
2,4,6-Trichlorophenol	85		84		30-130	1		30
Pentachlorophenol	64		63		9-103	2		30
2-Methylphenol	74		76		30-130	3		30
3-Methylphenol/4-Methylphenol	83		77		30-130	8		30
2,4,5-Trichlorophenol	88		84		30-130	5		30
Pyridine	43		**7**	Q	10-66	**146**	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		73		21-120
Phenol-d6	72		69		10-120
Nitrobenzene-d5	81		77		23-120
2-Fluorobiphenyl	78		75		15-120
2,4,6-Tribromophenol	85		81		10-120
4-Terphenyl-d14	76		74		33-120

PETROLEUM HYDROCARBONS

Project Name: 300 WEST 122ND ST.
Lab Number: L1918143
Project Number: 170500202
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-01
Client ID: WC01,3_GRAB01
Sample Location: NY, NY

Date Collected: 05/02/19 08:30
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 05/03/19 09:25
Analyst: MKS
Percent Solids: 91%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	2000	J	ug/kg	3100	60.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	108		70-130
4-Bromofluorobenzene	111		70-130

Project Name: 300 WEST 122ND ST.
Lab Number: L1918143
Project Number: 170500202
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-02
Client ID: WC01,3_COMP01
Sample Location: NY, NY

Date Collected: 05/02/19 08:35
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 05/03/19 10:49
Analyst: MEO
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 05/03/19 02:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	81.2		mg/kg	29.4	29.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	79		40-140
o-Terphenyl	77		40-140

Project Name: 300 WEST 122ND ST.
Lab Number: L1918143
Project Number: 170500202
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-03
Client ID: RAMP2_GRAB01
Sample Location: NY, NY

Date Collected: 05/02/19 08:40
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 05/03/19 10:06
Analyst: MKS
Percent Solids: 92%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2900	57.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	104		70-130
4-Bromofluorobenzene	110		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-04
Client ID: RAMP2_COMP01
Sample Location: NY, NY

Date Collected: 05/02/19 08:45
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 05/03/19 10:13
Analyst: LL
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 05/03/19 02:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	211		mg/kg	30.0	30.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	105		40-140
o-Terphenyl	103		40-140

Project Name: 300 WEST 122ND ST.
Lab Number: L1918143
Project Number: 170500202
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-05
Client ID: RAMP2_GRAB02
Sample Location: NY, NY

Date Collected: 05/02/19 13:30
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 05/03/19 10:46
Analyst: MKS
Percent Solids: 87%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	2700	52.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	106		70-130
4-Bromofluorobenzene	113		70-130

Project Name: 300 WEST 122ND ST.
Lab Number: L1918143
Project Number: 170500202
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-05
Client ID: RAMP2_GRAB02
Sample Location: NY, NY

Date Collected: 05/02/19 13:30
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 05/03/19 13:19
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/03/19 04:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	87.8		mg/kg	26.2	26.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	77		40-140
o-Terphenyl	75		40-140

Project Name: 300 WEST 122ND ST.
Lab Number: L1918143
Project Number: 170500202
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-06
Client ID: WC01,3_GRAB02
Sample Location: NY, NY

Date Collected: 05/02/19 13:35
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 05/03/19 11:27
Analyst: MKS
Percent Solids: 88%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1100	J	ug/kg	2600	51.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	103		70-130
4-Bromofluorobenzene	109		70-130

Project Name: 300 WEST 122ND ST.
Lab Number: L1918143
Project Number: 170500202
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-06
Client ID: WC01,3_GRAB02
Sample Location: NY, NY

Date Collected: 05/02/19 13:35
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 05/03/19 13:19
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 05/03/19 04:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	28.1		mg/kg	26.3	26.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	81		40-140
o-Terphenyl	78		40-140

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 05/03/19 08:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01,03,05-06 Batch: WG1232786-14					
Gasoline Range Organics	880	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	72		70-130
4-Bromofluorobenzene	83		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 05/03/19 09:13
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 05/03/19 02:09

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 02,04-06 Batch: WG1233125-1					
Total EPH	ND		mg/kg	23.5	23.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	85		40-140
o-Terphenyl	83		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 01,03,05-06		Batch: WG1232786-12 WG1232786-13					
Gasoline Range Organics	88		98		80-120	11		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	91		102		70-130
4-Bromofluorobenzene	101		114		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02,04-06 Batch: WG1233125-2 WG1233125-3								
Total EPH	83		88		40-140	6		25
Nonane (C9)	60		66		40-140	10		25
Decane (C10)	71		78		40-140	9		25
Dodecane (C12)	69		74		40-140	7		25
Tetradecane (C14)	70		75		40-140	7		25
Hexadecane (C16)	74		78		40-140	5		25
Octadecane (C18)	77		80		40-140	4		25
Eicosane (C20)	76		79		40-140	4		25
Heneicosane (C21)	76		78		40-140	3		25
Docosane (C22)	77		79		40-140	3		25
Tetracosane (C24)	77		80		40-140	4		25
Hexacosane (C26)	77		79		40-140	3		25
Octacosane (C28)	75		78		40-140	4		25
Triacontane (C30)	76		79		40-140	4		25
Dotriacontane (C32)	78		80		40-140	3		25
Tetratriacontane (C34)	76		79		40-140	4		25
Hexatriacontane (C36)	77		80		40-140	4		25
Octatriacontane (C38)	77		80		40-140	4		25
Tetracontane (C40)	74		78		40-140	5		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab	Associated sample(s): 02,04-06		Batch: WG1233125-2 WG1233125-3					

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	76		78		40-140
o-Terphenyl	75		77		40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02,04-06 QC Batch ID: WG1233125-4 QC Sample: L1918133-01 Client ID: MS Sample												
Total EPH	ND	276	225	82		-	-		40-140	-		50
Nonane (C9)	ND	7.66	4.77	62		-	-		40-140	-		50
Decane (C10)	ND	7.66	5.56	73		-	-		40-140	-		50
Dodecane (C12)	ND	7.66	5.42	71		-	-		40-140	-		50
Tetradecane (C14)	ND	7.66	5.58	73		-	-		40-140	-		50
Hexadecane (C16)	ND	7.66	6.21	81		-	-		40-140	-		50
Octadecane (C18)	ND	7.66	6.57	86		-	-		40-140	-		50
Eicosane (C20)	ND	7.66	6.66	87		-	-		40-140	-		50
Heneicosane (C21)	ND	7.66	6.68	87		-	-		40-140	-		50
Docosane (C22)	ND	7.66	6.77	88		-	-		40-140	-		50
Tetracosane (C24)	ND	7.66	6.82	89		-	-		40-140	-		50
Hexacosane (C26)	ND	7.66	6.86	90		-	-		40-140	-		50
Octacosane (C28)	ND	7.66	6.84	89		-	-		40-140	-		50
Triacontane (C30)	ND	7.66	6.93	90		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.66	7.05	92		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.66	7.04	92		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.66	7.04	92		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.66	7.23	94		-	-		40-140	-		50
Tetracontane (C40)	ND	7.66	7.04	92		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	86				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name:	300 WEST 122ND ST.	***Lab Number:***	L1918143
Project Number:	170500202	***Report Date:***	05/06/19

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02,04-06 QC Batch ID: WG1233125-4 QC Sample: L1918133-01 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	84				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02,04-06 QC Batch ID: WG1233125-5 QC Sample: L1918133-01 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	88		85		40-140
o-Terphenyl	85		82		40-140

PCBS

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-02
Client ID: WC01,3_COMP01
Sample Location: NY, NY

Date Collected: 05/02/19 08:35
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/03/19 15:07
Analyst: WR
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 05/03/19 00:57
Cleanup Method: EPA 3665A
Cleanup Date: 05/03/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.4	3.68	1	A
Aroclor 1221	ND		ug/kg	41.4	4.15	1	A
Aroclor 1232	ND		ug/kg	41.4	8.78	1	A
Aroclor 1242	ND		ug/kg	41.4	5.58	1	A
Aroclor 1248	ND		ug/kg	41.4	6.21	1	A
Aroclor 1254	ND		ug/kg	41.4	4.53	1	A
Aroclor 1260	ND		ug/kg	41.4	7.65	1	A
Aroclor 1262	ND		ug/kg	41.4	5.26	1	A
Aroclor 1268	ND		ug/kg	41.4	4.29	1	A
PCBs, Total	ND		ug/kg	41.4	3.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-04
Client ID: RAMP2_COMP01
Sample Location: NY, NY

Date Collected: 05/02/19 08:45
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/03/19 15:19
Analyst: WR
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 05/03/19 00:57
Cleanup Method: EPA 3665A
Cleanup Date: 05/03/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	3.64	1	A
Aroclor 1221	ND		ug/kg	41.0	4.11	1	A
Aroclor 1232	ND		ug/kg	41.0	8.69	1	A
Aroclor 1242	ND		ug/kg	41.0	5.53	1	A
Aroclor 1248	9.28	J	ug/kg	41.0	6.15	1	B
Aroclor 1254	14.9	JP	ug/kg	41.0	4.49	1	A
Aroclor 1260	ND		ug/kg	41.0	7.58	1	B
Aroclor 1262	ND		ug/kg	41.0	5.21	1	A
Aroclor 1268	ND		ug/kg	41.0	4.25	1	A
PCBs, Total	24.2	J	ug/kg	41.0	3.64	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/03/19 04:41
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 05/02/19 09:12
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,04 Batch: WG1232801-1						
Aroclor 1016	ND		ug/kg	32.3	2.87	A
Aroclor 1221	ND		ug/kg	32.3	3.24	A
Aroclor 1232	ND		ug/kg	32.3	6.86	A
Aroclor 1242	ND		ug/kg	32.3	4.36	A
Aroclor 1248	ND		ug/kg	32.3	4.85	A
Aroclor 1254	ND		ug/kg	32.3	3.54	A
Aroclor 1260	ND		ug/kg	32.3	5.98	A
Aroclor 1262	ND		ug/kg	32.3	4.11	A
Aroclor 1268	ND		ug/kg	32.3	3.35	A
PCBs, Total	ND		ug/kg	32.3	2.87	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	94		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,04 Batch: WG1232801-2 WG1232801-3									
Aroclor 1016	81		88		40-140	8		50	A
Aroclor 1260	82		88		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		80		30-150	A
Decachlorobiphenyl	90		93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		83		30-150	B
Decachlorobiphenyl	95		96		30-150	B

PESTICIDES

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1918143
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-02
Client ID: WC01,3_COMP01
Sample Location: NY, NY

Date Collected: 05/02/19 08:35
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/05/19 16:11
Analyst: KEG
Percent Solids: 78%
TCLP/SPLP Ext. Date: 05/03/19 05:53

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 13:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 300 WEST 122ND ST.
Lab Number: L1918143
Project Number: 170500202
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-02
Client ID: WC01,3_COMP01
Sample Location: NY, NY

Date Collected: 05/02/19 08:35
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/03/19 14:32
Analyst: BM
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 05/03/19 00:49
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.377	1	A
Lindane	ND		ug/kg	0.802	0.359	1	A
Alpha-BHC	ND		ug/kg	0.802	0.228	1	A
Beta-BHC	ND		ug/kg	1.92	0.730	1	A
Heptachlor	ND		ug/kg	0.963	0.432	1	A
Aldrin	ND		ug/kg	1.92	0.678	1	A
Heptachlor epoxide	ND		ug/kg	3.61	1.08	1	A
Endrin	ND		ug/kg	0.802	0.329	1	A
Endrin aldehyde	ND		ug/kg	2.41	0.842	1	A
Endrin ketone	ND		ug/kg	1.92	0.496	1	A
Dieldrin	ND		ug/kg	1.20	0.602	1	A
4,4'-DDE	ND		ug/kg	1.92	0.445	1	A
4,4'-DDD	ND		ug/kg	1.92	0.687	1	A
4,4'-DDT	1.85	JIP	ug/kg	3.61	1.55	1	B
Endosulfan I	ND		ug/kg	1.92	0.455	1	A
Endosulfan II	ND		ug/kg	1.92	0.643	1	A
Endosulfan sulfate	ND		ug/kg	0.802	0.382	1	A
Methoxychlor	ND		ug/kg	3.61	1.12	1	A
Toxaphene	ND		ug/kg	36.1	10.1	1	A
cis-Chlordane	ND		ug/kg	2.41	0.671	1	A
trans-Chlordane	ND		ug/kg	2.41	0.635	1	A
Chlordane	ND		ug/kg	15.6	6.38	1	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-02 Date Collected: 05/02/19 08:35

Client ID: WC01,3_COMP01 Date Received: 05/02/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	96		30-150	A

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1918143
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-04
Client ID: RAMP2_COMP01
Sample Location: NY, NY

Date Collected: 05/02/19 08:45
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/05/19 16:24
Analyst: KEG
Percent Solids: 78%
TCLP/SPLP Ext. Date: 05/03/19 05:53

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 13:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 300 WEST 122ND ST.
Lab Number: L1918143
Project Number: 170500202
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-04
Client ID: RAMP2_COMP01
Sample Location: NY, NY

Date Collected: 05/02/19 08:45
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/03/19 14:45
Analyst: BM
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 05/03/19 00:49
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.01	0.393	1	A
Lindane	ND		ug/kg	0.837	0.374	1	A
Alpha-BHC	ND		ug/kg	0.837	0.238	1	A
Beta-BHC	ND		ug/kg	2.01	0.762	1	A
Heptachlor	ND		ug/kg	1.00	0.450	1	A
Aldrin	ND		ug/kg	2.01	0.707	1	A
Heptachlor epoxide	ND		ug/kg	3.76	1.13	1	A
Endrin	ND		ug/kg	0.837	0.343	1	A
Endrin aldehyde	ND		ug/kg	2.51	0.879	1	A
Endrin ketone	ND		ug/kg	2.01	0.517	1	A
Dieldrin	ND		ug/kg	1.26	0.628	1	A
4,4'-DDE	ND		ug/kg	2.01	0.464	1	A
4,4'-DDD	ND		ug/kg	2.01	0.716	1	A
4,4'-DDT	3.04	J	ug/kg	3.76	1.62	1	A
Endosulfan I	ND		ug/kg	2.01	0.474	1	A
Endosulfan II	ND		ug/kg	2.01	0.671	1	A
Endosulfan sulfate	ND		ug/kg	0.837	0.398	1	A
Methoxychlor	ND		ug/kg	3.76	1.17	1	A
Toxaphene	ND		ug/kg	37.6	10.5	1	A
cis-Chlordane	ND		ug/kg	2.51	0.700	1	A
trans-Chlordane	1.24	JIP	ug/kg	2.51	0.663	1	A
Chlordane	ND		ug/kg	16.3	6.65	1	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-04 Date Collected: 05/02/19 08:45

Client ID: RAMP2_COMP01 Date Received: 05/02/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	68		30-150	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/03/19 13:54
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 05/02/19 19:15
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,04 Batch: WG1233048-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.639	0.286	A
Alpha-BHC	ND		ug/kg	0.639	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.767	0.344	A
Aldrin	ND		ug/kg	1.53	0.540	A
Heptachlor epoxide	ND		ug/kg	2.88	0.863	A
Endrin	ND		ug/kg	0.639	0.262	A
Endrin aldehyde	ND		ug/kg	1.92	0.671	A
Endrin ketone	ND		ug/kg	1.53	0.395	A
Dieldrin	ND		ug/kg	0.958	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.355	A
4,4'-DDD	ND		ug/kg	1.53	0.547	A
4,4'-DDT	ND		ug/kg	2.88	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.639	0.304	A
Methoxychlor	ND		ug/kg	2.88	0.894	A
Toxaphene	ND		ug/kg	28.8	8.05	A
cis-Chlordane	ND		ug/kg	1.92	0.534	A
trans-Chlordane	ND		ug/kg	1.92	0.506	A
Chlordane	ND		ug/kg	12.5	5.08	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/03/19 13:54
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 05/02/19 19:15
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,04 Batch: WG1233048-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	65		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	69		30-150	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/05/19 14:30
Analyst: KEG
TCLP/SPLP Extraction Date: 05/01/19 16:35

Extraction Method: EPA 3510C
Extraction Date: 05/04/19 13:09

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 02,04 Batch: WG1233669-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	41		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04 Batch: WG1233048-2 WG1233048-3									
Delta-BHC	81		77		30-150	5		30	A
Lindane	83		79		30-150	5		30	A
Alpha-BHC	87		83		30-150	5		30	A
Beta-BHC	76		72		30-150	5		30	A
Heptachlor	73		69		30-150	6		30	A
Aldrin	81		76		30-150	6		30	A
Heptachlor epoxide	86		80		30-150	7		30	A
Endrin	82		77		30-150	6		30	A
Endrin aldehyde	52		48		30-150	8		30	A
Endrin ketone	67		64		30-150	5		30	A
Dieldrin	83		77		30-150	8		30	A
4,4'-DDE	74		69		30-150	7		30	A
4,4'-DDD	74		68		30-150	8		30	A
4,4'-DDT	64		62		30-150	3		30	A
Endosulfan I	73		68		30-150	7		30	A
Endosulfan II	72		68		30-150	6		30	A
Endosulfan sulfate	56		53		30-150	6		30	A
Methoxychlor	55		54		30-150	2		30	A
cis-Chlordane	66		62		30-150	6		30	A
trans-Chlordane	61		57		30-150	7		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04 Batch: WG1233048-2 WG1233048-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		73		30-150	B
Decachlorobiphenyl	51		60		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		81		30-150	A
Decachlorobiphenyl	73		70		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 02,04 Batch: WG1233669-2 WG1233669-3									
Lindane	72		80		30-150	11		20	A
Heptachlor	65		75		30-150	14		20	A
Heptachlor epoxide	70		83		30-150	17		20	A
Endrin	69		83		30-150	18		20	A
Methoxychlor	58		73		30-150	**23**	Q	20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		79		30-150	A
Decachlorobiphenyl	60		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		74		30-150	B
Decachlorobiphenyl	60		78		30-150	B

METALS

Project Name: 300 WEST 122ND ST.
Lab Number: L1918143
Project Number: 170500202
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-02
Client ID: WC01,3_COMP01
Sample Location: NY, NY
Date Collected: 05/02/19 08:35
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%
TCLP/SPLP Ext. Date: 05/03/19 05:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	05/06/19 08:55	05/06/19 11:35	EPA 3015	1,6010D	AB
Barium, TCLP	0.533		mg/l	0.500	0.021	1	05/06/19 08:55	05/06/19 11:35	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	05/06/19 08:55	05/06/19 11:35	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	05/06/19 08:55	05/06/19 11:35	EPA 3015	1,6010D	AB
Lead, TCLP	0.105	J	mg/l	0.500	0.027	1	05/06/19 08:55	05/06/19 11:35	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	05/04/19 09:52	05/04/19 13:54	EPA 7470A	1,7470A	BV
Selenium, TCLP	ND		mg/l	0.500	0.035	1	05/06/19 08:55	05/06/19 11:35	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	05/06/19 08:55	05/06/19 11:35	EPA 3015	1,6010D	AB

Project Name: 300 WEST 122ND ST.
Lab Number: L1918143
Project Number: 170500202
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-02
Client ID: WC01,3_COMP01
Sample Location: NY, NY
Date Collected: 05/02/19 08:35
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3070		mg/kg	9.91	2.68	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Antimony, Total	0.654	J	mg/kg	4.96	0.377	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Arsenic, Total	1.75		mg/kg	0.991	0.206	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Barium, Total	40.3		mg/kg	0.991	0.172	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Beryllium, Total	0.198	J	mg/kg	0.496	0.033	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Cadmium, Total	0.198	J	mg/kg	0.991	0.097	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Calcium, Total	12400		mg/kg	9.91	3.47	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Chromium, Total	7.43		mg/kg	0.991	0.095	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Cobalt, Total	3.28		mg/kg	1.98	0.164	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Copper, Total	21.4		mg/kg	0.991	0.256	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Iron, Total	6440		mg/kg	4.96	0.895	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Lead, Total	71.8		mg/kg	4.96	0.266	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Magnesium, Total	1830		mg/kg	9.91	1.53	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Manganese, Total	185		mg/kg	0.991	0.158	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Mercury, Total	0.095		mg/kg	0.080	0.017	1	05/03/19 07:00	05/03/19 10:01	EPA 7471B	1,7471B	GD
Nickel, Total	7.75		mg/kg	2.48	0.240	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Potassium, Total	662		mg/kg	248	14.3	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.98	0.256	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.991	0.280	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Sodium, Total	122	J	mg/kg	198	3.12	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.98	0.312	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Vanadium, Total	10.1		mg/kg	0.991	0.201	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC
Zinc, Total	42.4		mg/kg	4.96	0.290	2	05/03/19 07:50	05/03/19 11:36	EPA 3050B	1,6010D	LC

Project Name: 300 WEST 122ND ST.
Lab Number: L1918143
Project Number: 170500202
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-04
Client ID: RAMP2_COMP01
Sample Location: NY, NY
Date Collected: 05/02/19 08:45
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%
TCLP/SPLP Ext. Date: 05/03/19 05:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	05/06/19 08:55	05/06/19 11:54	EPA 3015	1,6010D	AB
Barium, TCLP	0.583		mg/l	0.500	0.021	1	05/06/19 08:55	05/06/19 11:54	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	05/06/19 08:55	05/06/19 11:54	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	05/06/19 08:55	05/06/19 11:54	EPA 3015	1,6010D	AB
Lead, TCLP	0.164	J	mg/l	0.500	0.027	1	05/06/19 08:55	05/06/19 11:54	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	05/04/19 09:52	05/04/19 13:59	EPA 7470A	1,7470A	BV
Selenium, TCLP	ND		mg/l	0.500	0.035	1	05/06/19 08:55	05/06/19 11:54	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	05/06/19 08:55	05/06/19 11:54	EPA 3015	1,6010D	AB

Project Name: 300 WEST 122ND ST.
Lab Number: L1918143
Project Number: 170500202
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-04
Client ID: RAMP2_COMP01
Sample Location: NY, NY
Date Collected: 05/02/19 08:45
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4690		mg/kg	9.92	2.68	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Antimony, Total	0.724	J	mg/kg	4.96	0.377	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Arsenic, Total	2.32		mg/kg	0.992	0.206	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Barium, Total	64.0		mg/kg	0.992	0.172	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Beryllium, Total	0.258	J	mg/kg	0.496	0.033	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Cadmium, Total	0.288	J	mg/kg	0.992	0.097	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Calcium, Total	16900		mg/kg	9.92	3.47	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Chromium, Total	10.6		mg/kg	0.992	0.095	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Cobalt, Total	4.05		mg/kg	1.98	0.165	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Copper, Total	18.0		mg/kg	0.992	0.256	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Iron, Total	8580		mg/kg	4.96	0.896	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Lead, Total	104		mg/kg	4.96	0.266	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Magnesium, Total	3020		mg/kg	9.92	1.53	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Manganese, Total	242		mg/kg	0.992	0.158	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Mercury, Total	0.131		mg/kg	0.080	0.017	1	05/03/19 07:00	05/03/19 10:03	EPA 7471B	1,7471B	GD
Nickel, Total	9.62		mg/kg	2.48	0.240	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Potassium, Total	927		mg/kg	248	14.3	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.98	0.256	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.992	0.281	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Sodium, Total	171	J	mg/kg	198	3.12	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.98	0.312	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Vanadium, Total	14.9		mg/kg	0.992	0.201	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC
Zinc, Total	56.4		mg/kg	4.96	0.290	2	05/03/19 07:50	05/03/19 11:41	EPA 3050B	1,6010D	LC

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04 Batch: WG1233180-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	05/03/19 07:00	05/03/19 09:38	1,7471B	GD

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04 Batch: WG1233182-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Antimony, Total	0.200	J	mg/kg	2.00	0.152	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Iron, Total	ND		mg/kg	2.00	0.361	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Manganese, Total	0.228	J	mg/kg	0.400	0.064	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Sodium, Total	4.23	J	mg/kg	80.0	1.26	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	05/03/19 07:50	05/03/19 10:59	1,6010D	LC

Project Name: 300 WEST 122ND ST. **Lab Number:** L1918143

Project Number: 170500202 **Report Date:** 05/06/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02,04 Batch: WG1233604-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	05/04/19 09:52	05/04/19 13:50	1,7470A	BV

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 05/01/19 16:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02,04 Batch: WG1233909-1										
Arsenic, TCLP	0.027	J	mg/l	1.00	0.019	1	05/06/19 08:55	05/06/19 11:25	1,6010D	AB
Barium, TCLP	ND		mg/l	0.500	0.021	1	05/06/19 08:55	05/06/19 11:25	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	05/06/19 08:55	05/06/19 11:25	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	05/06/19 08:55	05/06/19 11:25	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	05/06/19 08:55	05/06/19 11:25	1,6010D	AB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	05/06/19 08:55	05/06/19 11:25	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	05/06/19 08:55	05/06/19 11:25	1,6010D	AB

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 05/01/19 16:35

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04 Batch: WG1233180-2 SRM Lot Number: D101-540								
Mercury, Total	101		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04 Batch: WG1233182-2 SRM Lot Number: D101-540					
Aluminum, Total	74	-	50-151	-	
Antimony, Total	165	-	3-196	-	
Arsenic, Total	108	-	83-117	-	
Barium, Total	99	-	83-118	-	
Beryllium, Total	105	-	83-117	-	
Cadmium, Total	104	-	83-117	-	
Calcium, Total	99	-	81-119	-	
Chromium, Total	104	-	81-118	-	
Cobalt, Total	103	-	84-116	-	
Copper, Total	106	-	83-116	-	
Iron, Total	94	-	62-138	-	
Lead, Total	106	-	83-117	-	
Magnesium, Total	90	-	76-124	-	
Manganese, Total	98	-	82-118	-	
Nickel, Total	104	-	82-117	-	
Potassium, Total	94	-	71-130	-	
Selenium, Total	107	-	79-121	-	
Silver, Total	102	-	80-120	-	
Sodium, Total	103	-	72-127	-	
Thallium, Total	108	-	81-119	-	
Vanadium, Total	100	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04 Batch: WG1233182-2 SRM Lot Number: D101-540					
Zinc, Total	102	-	81-119	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,04 Batch: WG1233604-2					
Mercury, TCLP	107	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,04 Batch: WG1233909-2					
Arsenic, TCLP	103	-	75-125	-	20
Barium, TCLP	98	-	75-125	-	20
Cadmium, TCLP	99	-	75-125	-	20
Chromium, TCLP	94	-	75-125	-	20
Lead, TCLP	97	-	75-125	-	20
Selenium, TCLP	103	-	75-125	-	20
Silver, TCLP	94	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1233180-3 WG1233180-4 QC Sample: L1918384-04 Client ID: MS Sample												
Mercury, Total	0.038J	0.199	0.264	**133**	Q	0.281	**142**	Q	80-120	6		20
Total Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1233180-5 WG1233180-6 QC Sample: L1918384-09 Client ID: MS Sample												
Mercury, Total	0.062J	0.214	0.305	**142**	Q	0.286	**132**	Q	80-120	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1233182-3 WG1233182-4 QC Sample: L1918384-04 Client ID: MS Sample											
Aluminum, Total	9740	248	10400	**266**	Q	10500	**320**	Q	75-125	1	20
Antimony, Total	0.863J	62.1	49.2	79		47.6	80		75-125	3	20
Arsenic, Total	7.46	14.9	20.0	84		20.1	89		75-125	0	20
Barium, Total	42.8	248	257	86		251	88		75-125	2	20
Beryllium, Total	0.491J	6.21	5.99	96		5.84	98		75-125	3	20
Cadmium, Total	0.659J	6.33	5.84	92		5.69	94		75-125	3	20
Calcium, Total	4330	1240	5040	**57**	Q	5270	79		75-125	4	20
Chromium, Total	63.4	24.8	84.1	83		84.4	88		75-125	0	20
Cobalt, Total	23.4	62.1	72.6	79		71.8	81		75-125	1	20
Copper, Total	30.4	31	57.2	86		56.9	89		75-125	1	20
Iron, Total	23300	124	23600	**242**	Q	23800	**421**	Q	75-125	1	20
Lead, Total	23.9	63.3	76.2	82		74.3	83		75-125	3	20
Magnesium, Total	3030	1240	4110	87		4130	93		75-125	0	20
Manganese, Total	729	62.1	792	101		774	76		75-125	2	20
Nickel, Total	167	62.1	215	77		215	81		75-125	0	20
Potassium, Total	747	1240	1870	90		1830	91		75-125	2	20
Selenium, Total	0.575J	14.9	12.9	86		12.6	88		75-125	2	20
Silver, Total	ND	37.2	31.4	84		30.5	86		75-125	3	20
Sodium, Total	41.2J	1240	1220	98		1180	99		75-125	3	20
Thallium, Total	ND	14.9	11.2	75		11.0	77		75-125	2	20
Vanadium, Total	19.3	62.1	72.2	85		71.3	88		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04	QC Batch ID: WG1233182-3	WG1233182-4	QC Sample: L1918384-04	Client ID: MS Sample					
Zinc, Total	96.6	62.1	154	92	150	90	75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1233182-7 WG1233182-8 QC Sample: L1918384-09 Client ID: MS Sample											
Aluminum, Total	9260	266	11000	**655**	Q	10400	**427**	Q	75-125	6	20
Antimony, Total	ND	66.4	51.8	78		52.0	78		75-125	0	20
Arsenic, Total	5.69	15.9	20.3	92		19.9	89		75-125	2	20
Barium, Total	58.8	266	304	92		300	90		75-125	1	20
Beryllium, Total	0.485J	6.64	6.76	102		6.71	100		75-125	1	20
Cadmium, Total	0.511J	6.77	6.47	96		6.36	93		75-125	2	20
Calcium, Total	2290	1330	3520	93		3540	94		75-125	1	20
Chromium, Total	91.8	26.6	106	**53**	Q	110	**68**	Q	75-125	4	20
Cobalt, Total	28.2	66.4	84.6	85		84.4	84		75-125	0	20
Copper, Total	16.6	33.2	47.2	92		46.2	89		75-125	2	20
Iron, Total	19400	133	20300	**678**	Q	19400	**0**	Q	75-125	5	20
Lead, Total	17.8	67.7	77.3	88		75.8	85		75-125	2	20
Magnesium, Total	2210	1330	3580	103		3470	94		75-125	3	20
Manganese, Total	535	66.4	634	**149**	Q	596	91		75-125	6	20
Nickel, Total	249	66.4	279	**45**	Q	286	**55**	Q	75-125	2	20
Potassium, Total	772	1330	2120	102		2080	98		75-125	2	20
Selenium, Total	0.629J	15.9	14.7	92		14.5	90		75-125	1	20
Silver, Total	ND	39.8	35.5	89		35.1	88		75-125	1	20
Sodium, Total	38.2J	1330	1360	102		1360	102		75-125	0	20
Thallium, Total	ND	15.9	13.0	82		12.9	80		75-125	1	20
Vanadium, Total	17.8	66.4	79.9	94		78.2	90		75-125	2	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1233182-7 WG1233182-8 QC Sample: L1918384-09 Client ID: MS Sample									
Zinc, Total	59.3	66.4	126	100	122	94	75-125	3	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1233604-3 QC Sample: L1918143-02 Client ID: WC01,3_COMP01									
Mercury, TCLP	ND	0.025	0.0263	105	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1233909-3 QC Sample: L1918143-02 Client ID: WC01,3_COMP01									
Arsenic, TCLP	ND	1.2	1.22	102	-	-	75-125	-	20
Barium, TCLP	0.533	20	20.5	100	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.515	101	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.93	96	-	-	75-125	-	20
Lead, TCLP	0.105J	5.1	5.01	98	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.23	102	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.490	98	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1233604-4 QC Sample: L1918143-02 Client ID: WC01,3_COMP01						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1233909-4 QC Sample: L1918143-02 Client ID: WC01,3_COMP01						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.533	0.559	mg/l	5		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.105J	0.106J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-01
Client ID: WC01,3_GRAB01
Sample Location: NY, NY

Date Collected: 05/02/19 08:30
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	05/03/19 00:57	121,2540G	YA

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-02
Client ID: WC01,3_COMP01
Sample Location: NY, NY

Date Collected: 05/02/19 08:35
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	05/03/19 00:57	121,2540G	YA
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	05/02/19 23:16	1,9095B	AS

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-03
Client ID: RAMP2_GRAB01
Sample Location: NY, NY

Date Collected: 05/02/19 08:40
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	05/03/19 00:57	121,2540G	YA

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-04
Client ID: RAMP2_COMP01
Sample Location: NY, NY

Date Collected: 05/02/19 08:45
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.1		%	0.100	NA	1	-	05/03/19 00:57	121,2540G	YA
Paint Filter Liquid	POSITIVE		-	0	NA	1	-	05/02/19 23:16	1,9095B	AS

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-05
Client ID: RAMP2_GRAB02
Sample Location: NY, NY

Date Collected: 05/02/19 13:30
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	05/03/19 04:14	121,2540G	YA

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

SAMPLE RESULTS

Lab ID: L1918143-06
Client ID: WC01,3_GRAB02
Sample Location: NY, NY

Date Collected: 05/02/19 13:35
Date Received: 05/02/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	05/03/19 04:14	121,2540G	YA

Lab Duplicate Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1918143

Report Date: 05/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1233091-1 QC Sample: L1918145-01 Client ID: DUP Sample						
Solids, Total	86.8	85.1	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 05-06 QC Batch ID: WG1233132-1 QC Sample: L1918258-01 Client ID: DUP Sample						
Solids, Total	25.7	26.2	%	2		20

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
A1	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1918143-01A	Vial MeOH preserved	A	NA		3.1	Y	Absent		TPH-GRO(14),NYTCL-8260H(14),NYTCL-8260HLW(14)
L1918143-01B	Vial water preserved	A	NA		3.1	Y	Absent	02-MAY-19 23:07	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1918143-01C	Vial water preserved	A	NA		3.1	Y	Absent	02-MAY-19 23:07	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1918143-01D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1918143-01E	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		TCLP-EXT-ZHE(14)
L1918143-01Y	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L1918143-01Z	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L1918143-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1918143-02B	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),NJEPH-TPH-CAT1(14),TS(7),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1918143-02C	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),NJEPH-TPH-CAT1(14),TS(7),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1918143-02W	Amber 1000ml unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-8270(14),PEST-TCLP*(14)
L1918143-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1918143-02X9	Tumble Vessel	A	NA		3.1	Y	Absent		-
L1918143-03A	Vial MeOH preserved	A	NA		3.1	Y	Absent		TPH-GRO(14),NYTCL-8260HLW(14)
L1918143-03B	Vial water preserved	A	NA		3.1	Y	Absent	02-MAY-19 23:07	NYTCL-8260HLW(14)
L1918143-03C	Vial water preserved	A	NA		3.1	Y	Absent	02-MAY-19 23:07	NYTCL-8260HLW(14)
L1918143-03D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1918143
Report Date: 05/06/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1918143-03E	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		TCLP-EXT-ZHE(14)
L1918143-03Y	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L1918143-03Z	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L1918143-04A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1918143-04B	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),NJEPH-TPH-CAT1(14),TS(7),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1918143-04C	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),NJEPH-TPH-CAT1(14),TS(7),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1918143-04W	Amber 1000ml unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-8270(14),PEST-TCLP*(14)
L1918143-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1918143-04X9	Tumble Vessel	A	NA		3.1	Y	Absent		-
L1918143-05A	Glass 120ml/4oz unpreserved	A1	NA		2.9	Y	Absent		TPH-GRO(14),NJEPH-TPH-CAT1(14),TS(7)
L1918143-05A9	Vial MeOH preserved split	A1	NA		2.9	Y	Absent		TPH-GRO(14)
L1918143-06A	Glass 120ml/4oz unpreserved	A1	NA		2.9	Y	Absent		TPH-GRO(14),NJEPH-TPH-CAT1(14),TS(7)
L1918143-06A9	Vial MeOH preserved split	A1	NA		2.9	Y	Absent		TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1918143
Project Number:	170500202	**Report Date:**	05/06/19

GLOSSARY

Acronyms

DL - 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 limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

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).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

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.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

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.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

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.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1918143
Project Number:	170500202	**Report Date:**	05/06/19

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

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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.

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.

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.

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).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1918143
Project Number:	170500202	**Report Date:**	05/06/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
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.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, 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; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 5/2/19

ALPHA Job #: L1918143

Client Information

Client: LANGAN, DPC
Address:
Phone:
Fax:
Email: GWYKA@LANGAN.COM

Project Information

Project Name: 300 West 127nd St.
Project Location: NY, NY
Project #: 170500207
(Use Project name as Project #)
Project Manager: Greg Wyka
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 24 hrs

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs, TCLP VOCs	EPH - GRO	EPH - DRO	TCL SVOCs, PCBs, pesticides	TCLP SVOCs, pesticides, metals	TAL metals	Paint filter	Total Bottle	Sample Specific Comments
18143 - 01	~~WCO1~~ WC01,3_GRAB01	5/2	830	Soil	KF	X	X							
-02	WC01,3_COMP01		835					X	X	X	X	X		
-03	RAMP2_GRAB01		840			X	X							
-04	RAMP2_COMP01	↓	845	↓	↓			X	X	X	X	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Stapulonis	5/2/19 920		
	5/2/19 14:17		5/2/19 9:26
Paul Magdalena	5/2/19 2100		5/2/19 1645 / 5/2/19 2100

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 5/3/19

ALPHA Job #: L1918143

Client Information
Client: LANGAN, DPC
Address:
Phone:
Fax:
Email: GWYKA@LANGAN.COM

Project Information
Project Name: 300 West 172nd St.
Project Location: NY, NY
Project #: 170500202
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #: Greg Wyka

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 24 hr

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
for Alpha Report L1918143

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	EPH	GRO	Sample Specific Comments	Total Bottle
18143 - 05	RAMP2_GRAB02	5/2	1330	SOIL	AS	X	X	(1) 4 oz.	
-06	WL01,3_GRAB02	5/2	1335	SOIL	AS	X	X	(1) 4oz	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	5/2/19 1420		5/2 1420
	5/2 1929		5/2 1950
	5/3 06:10		5/3/19 0010

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1919676
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	300 WEST 122ND ST.
Project Number:	170500202
Report Date:	05/17/19

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), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1919676-01	WC04_17-23_COMP01	SOIL	NY, NY	05/10/19 12:10	05/10/19
L1919676-02	WC04_20_GRAB01	SOIL	NY, NY	05/10/19 12:05	05/10/19
L1919676-03	WC04_23_GRAB02	SOIL	NY, NY	05/10/19 12:15	05/10/19
L1919676-04	WC04_18.5_GRAB03	SOIL	NY, NY	05/13/19 14:15	05/13/19

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1919676
Project Number:	170500202	**Report Date:**	05/17/19

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1919676
Project Number:	170500202	**Report Date:**	05/17/19

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

L1919676-04: The sample was received in an inappropriate container for the TCLP Volatile Organics analysis.

Volatile Organics

L1919676-02: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (167%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Gasoline Range Organics

L1919676-02: The surrogate recoveries are outside the acceptance criteria for 4-bromofluorobenzene (137%); however, the sample was not re-analyzed due to coelution with an unresolved complex mixture (UCM). A copy of the chromatogram is included as an attachment to this report.

NJ EPH (Total)

WG1236514: An MS was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the native sample would have caused the spike compounds to be diluted below the range of calibration.

Total Metals

L1919676-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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: Amita Naik

Title: Technical Director/Representative Date: 05/17/19

ORGANICS

VOLATILES

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-02
Client ID: WC04_20_GRAB01
Sample Location: NY, NY

Date Collected: 05/10/19 12:05
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/15/19 16:03
Analyst: PK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	340	160	1
1,1-Dichloroethane	ND		ug/kg	69	10.	1
Chloroform	ND		ug/kg	100	9.7	1
Carbon tetrachloride	ND		ug/kg	69	16.	1
1,2-Dichloropropane	ND		ug/kg	69	8.6	1
Dibromochloromethane	ND		ug/kg	69	9.7	1
1,1,2-Trichloroethane	ND		ug/kg	69	18.	1
Tetrachloroethene	ND		ug/kg	34	14.	1
Chlorobenzene	ND		ug/kg	34	8.8	1
Trichlorofluoromethane	ND		ug/kg	280	48.	1
1,2-Dichloroethane	ND		ug/kg	69	18.	1
1,1,1-Trichloroethane	ND		ug/kg	34	12.	1
Bromodichloromethane	ND		ug/kg	34	7.5	1
trans-1,3-Dichloropropene	ND		ug/kg	69	19.	1
cis-1,3-Dichloropropene	ND		ug/kg	34	11.	1
1,3-Dichloropropene, Total	ND		ug/kg	34	11.	1
1,1-Dichloropropene	ND		ug/kg	34	11.	1
Bromoform	ND		ug/kg	280	17.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	34	11.	1
Benzene	ND		ug/kg	34	11.	1
Toluene	ND		ug/kg	69	38.	1
Ethylbenzene	ND		ug/kg	69	9.7	1
Chloromethane	ND		ug/kg	280	64.	1
Bromomethane	ND		ug/kg	140	40.	1
Vinyl chloride	ND		ug/kg	69	23.	1
Chloroethane	ND		ug/kg	140	31.	1
1,1-Dichloroethene	ND		ug/kg	69	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.5	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-02 Date Collected: 05/10/19 12:05

Client ID: WC04_20_GRAB01 Date Received: 05/10/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	34	9.5	1
1,2-Dichlorobenzene	ND		ug/kg	140	10.	1
1,3-Dichlorobenzene	ND		ug/kg	140	10.	1
1,4-Dichlorobenzene	ND		ug/kg	140	12.	1
Methyl tert butyl ether	ND		ug/kg	140	14.	1
p/m-Xylene	ND		ug/kg	140	39.	1
o-Xylene	ND		ug/kg	69	20.	1
Xylenes, Total	ND		ug/kg	69	20.	1
cis-1,2-Dichloroethene	ND		ug/kg	69	12.	1
Dibromomethane	ND		ug/kg	140	16.	1
Styrene	ND		ug/kg	69	14.	1
Dichlorodifluoromethane	ND		ug/kg	690	63.	1
Acetone	ND		ug/kg	690	330	1
Carbon disulfide	ND		ug/kg	690	310	1
2-Butanone	ND		ug/kg	690	150	1
Vinyl acetate	ND		ug/kg	690	150	1
4-Methyl-2-pentanone	ND		ug/kg	690	88.	1
1,2,3-Trichloropropane	ND		ug/kg	140	8.8	1
2-Hexanone	ND		ug/kg	690	82.	1
Bromochloromethane	ND		ug/kg	140	14.	1
2,2-Dichloropropane	ND		ug/kg	140	14.	1
1,2-Dibromoethane	ND		ug/kg	69	19.	1
1,3-Dichloropropane	ND		ug/kg	140	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	34	9.1	1
Bromobenzene	ND		ug/kg	140	10.	1
n-Butylbenzene	ND		ug/kg	69	12.	1
sec-Butylbenzene	21	J	ug/kg	69	10.	1
tert-Butylbenzene	ND		ug/kg	140	8.2	1
o-Chlorotoluene	ND		ug/kg	140	13.	1
p-Chlorotoluene	ND		ug/kg	140	7.5	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	210	69.	1
Hexachlorobutadiene	ND		ug/kg	280	12.	1
Isopropylbenzene	ND		ug/kg	69	7.5	1
p-Isopropyltoluene	ND		ug/kg	69	7.5	1
Naphthalene	ND		ug/kg	280	45.	1
Acrylonitrile	ND		ug/kg	280	79.	1
Tert-Butyl Alcohol	ND		ug/kg	1400	360	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-02 Date Collected: 05/10/19 12:05

Client ID: WC04_20_GRAB01 Date Received: 05/10/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	69	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	140	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	19.	1
1,3,5-Trimethylbenzene	ND		ug/kg	140	13.	1
1,2,4-Trimethylbenzene	ND		ug/kg	140	23.	1
Methyl Acetate	ND		ug/kg	280	66.	1
Acrolein	ND		ug/kg	1700	390	1
Cyclohexane	ND		ug/kg	690	38.	1
1,4-Dioxane	ND		ug/kg	5500	2400	1
Freon-113	ND		ug/kg	280	48.	1
p-Diethylbenzene	ND		ug/kg	140	12.	1
p-Ethyltoluene	ND		ug/kg	140	26.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	140	13.	1
Ethyl ether	ND		ug/kg	140	24.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	340	98.	1
Methyl cyclohexane	68	J	ug/kg	280	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	**167**	Q	70-130
Dibromofluoromethane	94		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-04
Client ID: WC04_18.5_GRAB03
Sample Location: NY, NY

Date Collected: 05/13/19 14:15
Date Received: 05/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/16/19 10:22
Analyst: AD

TCLP/SPLP Ext. Date: 05/15/19 12:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
dibromofluoromethane	97		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/15/19 08:14
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1237153-12					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/15/19 08:14
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1237153-12					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	11	J	ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6
p-Chlorotoluene	ND		ug/kg	100	5.4

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/15/19 08:14
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1237153-12					
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
Tert-Butyl Alcohol	ND		ug/kg	1000	260
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Acrolein	ND		ug/kg	1200	280
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/15/19 08:14
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1237153-12					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	93		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/16/19 08:21
Analyst: MM
TCLP/SPLP Extraction Date: 05/15/19 12:45

Extraction Date: 05/15/19 12:45

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 04 Batch: WG1237837-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	111		70-130
dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1237153-10 WG1237153-11								
Methylene chloride	108		107		70-130	1		30
1,1-Dichloroethane	112		110		70-130	2		30
Chloroform	107		106		70-130	1		30
Carbon tetrachloride	114		111		70-130	3		30
1,2-Dichloropropane	108		110		70-130	2		30
Dibromochloromethane	95		96		70-130	1		30
1,1,2-Trichloroethane	98		100		70-130	2		30
Tetrachloroethene	105		102		70-130	3		30
Chlorobenzene	100		99		70-130	1		30
Trichlorofluoromethane	111		107		70-139	4		30
1,2-Dichloroethane	104		105		70-130	1		30
1,1,1-Trichloroethane	113		110		70-130	3		30
Bromodichloromethane	104		105		70-130	1		30
trans-1,3-Dichloropropene	103		103		70-130	0		30
cis-1,3-Dichloropropene	111		111		70-130	0		30
1,1-Dichloropropene	114		111		70-130	3		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	110		108		70-130	2		30
Toluene	101		99		70-130	2		30
Ethylbenzene	103		102		70-130	1		30
Chloromethane	100		98		52-130	2		30
Bromomethane	112		107		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1237153-10 WG1237153-11								
Vinyl chloride	104		102		67-130	2		30
Chloroethane	98		93		50-151	5		30
1,1-Dichloroethene	114		110		65-135	4		30
trans-1,2-Dichloroethene	113		109		70-130	4		30
Trichloroethene	108		106		70-130	2		30
1,2-Dichlorobenzene	97		97		70-130	0		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	98		97		70-130	1		30
Methyl tert butyl ether	108		110		66-130	2		30
p/m-Xylene	104		102		70-130	2		30
o-Xylene	102		101		70-130	1		30
cis-1,2-Dichloroethene	109		108		70-130	1		30
Dibromomethane	102		103		70-130	1		30
Styrene	103		101		70-130	2		30
Dichlorodifluoromethane	102		97		30-146	5		30
Acetone	119		120		54-140	1		30
Carbon disulfide	105		101		59-130	4		30
2-Butanone	96		94		70-130	2		30
Vinyl acetate	104		105		70-130	1		30
4-Methyl-2-pentanone	98		98		70-130	0		30
1,2,3-Trichloropropane	93		95		68-130	2		30
2-Hexanone	89		89		70-130	0		30
Bromochloromethane	108		108		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1237153-10 WG1237153-11								
2,2-Dichloropropane	122		120		70-130	2		30
1,2-Dibromoethane	99		100		70-130	1		30
1,3-Dichloropropane	100		101		69-130	1		30
1,1,1,2-Tetrachloroethane	101		101		70-130	0		30
Bromobenzene	98		98		70-130	0		30
n-Butylbenzene	102		100		70-130	2		30
sec-Butylbenzene	104		101		70-130	3		30
tert-Butylbenzene	104		101		70-130	3		30
o-Chlorotoluene	99		98		70-130	1		30
p-Chlorotoluene	100		99		70-130	1		30
1,2-Dibromo-3-chloropropane	88		88		68-130	0		30
Hexachlorobutadiene	105		103		67-130	2		30
Isopropylbenzene	102		100		70-130	2		30
p-Isopropyltoluene	104		102		70-130	2		30
Naphthalene	94		94		70-130	0		30
Acrylonitrile	102		102		70-130	0		30
Tert-Butyl Alcohol	117		116		70-130	1		30
n-Propylbenzene	102		100		70-130	2		30
1,2,3-Trichlorobenzene	101		101		70-130	0		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	101		99		70-130	2		30
1,2,4-Trimethylbenzene	101		99		70-130	2		30
Methyl Acetate	107		108		51-146	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1237153-10 WG1237153-11								
Acrolein	104		106		70-130	2		30
Cyclohexane	120		116		59-142	3		30
1,4-Dioxane	118		116		65-136	2		30
Freon-113	116		111		50-139	4		30
p-Diethylbenzene	102		100		70-130	2		30
p-Ethyltoluene	102		99		70-130	3		30
1,2,4,5-Tetramethylbenzene	103		100		70-130	3		30
Ethyl ether	111		110		67-130	1		30
trans-1,4-Dichloro-2-butene	94		94		70-130	0		30
Methyl cyclohexane	115		112		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	97		96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1919676
Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 04 Batch: WG1237837-3 WG1237837-4								
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		98		63-132	2		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		100		75-130	10		25
1,2-Dichloroethane	99		94		70-130	5		20
Benzene	110		110		70-130	0		25
Vinyl chloride	110		100		55-140	10		20
1,1-Dichloroethene	110		100		61-145	10		25
Trichloroethene	110		100		70-130	10		25
1,4-Dichlorobenzene	110		100		70-130	10		20
2-Butanone	100		98		63-138	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		89		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	106		103		70-130
dibromofluoromethane	98		97		70-130

SEMIVOLATILES

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1919676
Report Date: 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-01
Client ID: WC04_17-23_COMP01
Sample Location: NY, NY

Date Collected: 05/10/19 12:10
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/16/19 01:13
Analyst: ALS
Percent Solids: 92%
TCLP/SPLP Ext. Date: 05/11/19 06:33

Extraction Method: EPA 3510C
Extraction Date: 05/12/19 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		21-120
Phenol-d6	70		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	87		33-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-01
Client ID: WC04_17-23_COMP01
Sample Location: NY, NY

Date Collected: 05/10/19 12:10
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/16/19 09:20
Analyst: RC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/11/19 01:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
Benzidine	ND		ug/kg	600	200	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Azobenzene	ND		ug/kg	180	17.	1
Fluoranthene	160		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-01 Date Collected: 05/10/19 12:10

Client ID: WC04_17-23_COMP01 Date Received: 05/10/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	93	J	ug/kg	110	20.	1
Benzo(a)pyrene	82	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	120		ug/kg	110	30.	1
Benzo(k)fluoranthene	36	J	ug/kg	110	29.	1
Chrysene	90	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	65	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	95	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	64	J	ug/kg	140	25.	1
Pyrene	160		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
n-Nitrosodimethylamine	ND		ug/kg	360	35.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-01 Date Collected: 05/10/19 12:10

Client ID: WC04_17-23_COMP01 Date Received: 05/10/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
Atrazine	ND		ug/kg	140	63.	1
Benzaldehyde	ND		ug/kg	240	49.	1
Caprolactam	ND		ug/kg	180	55.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	98		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	99		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	97		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/13/19 10:03
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 05/10/19 05:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1235659-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	540	180
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Azobenzene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/13/19 10:03
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 05/10/19 05:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1235659-1					
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
n-Nitrosodimethylamine	ND		ug/kg	330	31.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/13/19 10:03
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 05/10/19 05:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1235659-1					
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	76		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/15/19 07:27
Analyst: RC
TCLP/SPLP Extraction Date: 05/10/19 22:25

Extraction Method: EPA 3510C
Extraction Date: 05/12/19 02:51

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1236247-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		21-120
Phenol-d6	75		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	94		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1235659-2 WG1235659-3								
Acenaphthene	74		103		31-137	33		50
Benzidine	18		51		10-66	**96**	Q	50
1,2,4-Trichlorobenzene	69		104		38-107	40		50
Hexachlorobenzene	76		111		40-140	37		50
Bis(2-chloroethyl)ether	68		104		40-140	42		50
2-Chloronaphthalene	72		103		40-140	35		50
1,2-Dichlorobenzene	66		99		40-140	40		50
1,3-Dichlorobenzene	66		96		40-140	37		50
1,4-Dichlorobenzene	66		97		28-104	38		50
3,3'-Dichlorobenzidine	81		100		40-140	21		50
2,4-Dinitrotoluene	93		**134**	Q	40-132	36		50
2,6-Dinitrotoluene	94		138		40-140	38		50
Azobenzene	79		110		40-140	33		50
Fluoranthene	80		115		40-140	36		50
4-Chlorophenyl phenyl ether	74		106		40-140	36		50
4-Bromophenyl phenyl ether	79		113		40-140	35		50
Bis(2-chloroisopropyl)ether	65		97		40-140	40		50
Bis(2-chloroethoxy)methane	76		111		40-117	37		50
Hexachlorobutadiene	70		101		40-140	36		50
Hexachlorocyclopentadiene	81		114		40-140	34		50
Hexachloroethane	69		100		40-140	37		50
Isophorone	78		118		40-140	41		50
Naphthalene	73		105		40-140	36		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1235659-2 WG1235659-3								
Nitrobenzene	77		118		40-140	42		50
NDPA/DPA	78		111		36-157	35		50
n-Nitrosodi-n-propylamine	78		118		32-121	41		50
Bis(2-ethylhexyl)phthalate	93		133		40-140	35		50
Butyl benzyl phthalate	93		139		40-140	40		50
Di-n-butylphthalate	91		129		40-140	35		50
Di-n-octylphthalate	100		137		40-140	31		50
Diethyl phthalate	79		113		40-140	35		50
Dimethyl phthalate	83		118		40-140	35		50
Benzo(a)anthracene	86		124		40-140	36		50
Benzo(a)pyrene	87		125		40-140	36		50
Benzo(b)fluoranthene	88		125		40-140	35		50
Benzo(k)fluoranthene	88		130		40-140	39		50
Chrysene	81		117		40-140	36		50
Acenaphthylene	81		115		40-140	35		50
Anthracene	78		112		40-140	36		50
Benzo(ghi)perylene	80		115		40-140	36		50
Fluorene	76		108		40-140	35		50
Phenanthrene	74		105		40-140	35		50
Dibenzo(a,h)anthracene	81		118		40-140	37		50
Indeno(1,2,3-cd)pyrene	86		121		40-140	34		50
Pyrene	78		112		35-142	36		50
Biphenyl	79		**112**	Q	54-104	35		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1235659-2 WG1235659-3								
4-Chloroaniline	62		85		40-140	31		50
2-Nitroaniline	92		**136**	Q	47-134	39		50
3-Nitroaniline	77		101		26-129	27		50
4-Nitroaniline	79		120		41-125	41		50
Dibenzofuran	75		106		40-140	34		50
2-Methylnaphthalene	74		107		40-140	36		50
1,2,4,5-Tetrachlorobenzene	74		110		40-117	39		50
Acetophenone	80		121		14-144	41		50
n-Nitrosodimethylamine	64		100		22-100	44		50
2,4,6-Trichlorophenol	90		128		30-130	35		50
p-Chloro-m-cresol	88		**125**	Q	26-103	35		50
2-Chlorophenol	75		**114**	Q	25-102	41		50
2,4-Dichlorophenol	83		127		30-130	42		50
2,4-Dimethylphenol	77		118		30-130	42		50
2-Nitrophenol	91		**142**	Q	30-130	44		50
4-Nitrophenol	94		**142**	Q	11-114	41		50
2,4-Dinitrophenol	94		**154**	Q	4-130	48		50
4,6-Dinitro-o-cresol	112		**168**	Q	10-130	40		50
Pentachlorophenol	83		**124**	Q	17-109	40		50
Phenol	75		**113**	Q	26-90	40		50
2-Methylphenol	77		116		30-130.	40		50
3-Methylphenol/4-Methylphenol	80		120		30-130	40		50
2,4,5-Trichlorophenol	86		129		30-130	40		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1235659-2 WG1235659-3								
Benzoic Acid	51		90		10-110	**55**	Q	50
Benzyl Alcohol	80		121		40-140	41		50
Carbazole	78		111		54-128	35		50
Atrazine	98		132		40-140	30		50
Benzaldehyde	76		106		40-140	33		50
Caprolactam	86		**140**	Q	15-130	48		50
2,3,4,6-Tetrachlorophenol	80		121		40-140	41		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		106		25-120
Phenol-d6	79		106		10-120
Nitrobenzene-d5	81		112		23-120
2-Fluorobiphenyl	79		105		30-120
2,4,6-Tribromophenol	94		125		10-136
4-Terphenyl-d14	83		110		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1919676
Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1236247-2 WG1236247-3								
Hexachlorobenzene	90		76		40-140	17		30
2,4-Dinitrotoluene	106		86		40-132	21		30
Hexachlorobutadiene	79		70		28-111	12		30
Hexachloroethane	70		63		21-105	11		30
Nitrobenzene	95		84		40-140	12		30
2,4,6-Trichlorophenol	99		85		30-130	15		30
Pentachlorophenol	100		82		9-103	20		30
2-Methylphenol	75		68		30-130	10		30
3-Methylphenol/4-Methylphenol	85		73		30-130	15		30
2,4,5-Trichlorophenol	107		90		30-130	17		30
Pyridine	57		21		10-66	**92**	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		70		21-120
Phenol-d6	72		66		10-120
Nitrobenzene-d5	100		92		23-120
2-Fluorobiphenyl	87		77		15-120
2,4,6-Tribromophenol	104		86		10-120
4-Terphenyl-d14	96		79		33-120

PETROLEUM HYDROCARBONS

Project Name: 300 WEST 122ND ST.
Lab Number: L1919676
Project Number: 170500202
Report Date: 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-01
Client ID: WC04_17-23_COMP01
Sample Location: NY, NY

Date Collected: 05/10/19 12:10
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 05/14/19 02:42
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/13/19 11:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	78.6		mg/kg	25.9	25.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	51		40-140
o-Terphenyl	51		40-140

Project Name: 300 WEST 122ND ST.
Lab Number: L1919676
Project Number: 170500202
Report Date: 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-02
Client ID: WC04_20_GRAB01
Sample Location: NY, NY

Date Collected: 05/10/19 12:05
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 05/14/19 15:41
Analyst: BAD
Percent Solids: 88%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	150000		ug/kg	2600	49.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	104		70-130
4-Bromofluorobenzene	**137**	Q	70-130

Project Name: 300 WEST 122ND ST.
Lab Number: L1919676
Project Number: 170500202
Report Date: 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-02
Client ID: WC04_20_GRAB01
Sample Location: NY, NY

Date Collected: 05/10/19 12:05
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 05/16/19 05:34
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 05/15/19 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	42.3		mg/kg	26.4	26.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	93		40-140
o-Terphenyl	91		40-140

Project Name: 300 WEST 122ND ST.
Lab Number: L1919676
Project Number: 170500202
Report Date: 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-03
Client ID: WC04_23_GRAB02
Sample Location: NY, NY

Date Collected: 05/10/19 12:15
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 05/14/19 03:11
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 05/13/19 08:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	76.6		mg/kg	26.7	26.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	93		40-140
o-Terphenyl	93		40-140

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-03 D
Client ID: WC04_23_GRAB02
Sample Location: NY, NY

Date Collected: 05/10/19 12:15
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 05/14/19 16:21
Analyst: BAD
Percent Solids: 86%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	230000		ug/kg	5800	110	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	90		70-130
4-Bromofluorobenzene	116		70-130

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1919676
Report Date: 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 05/13/19 17:52
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 05/12/19 08:19

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 03 Batch: WG1236266-1					
Total EPH	ND		mg/kg	23.4	23.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	75		40-140
o-Terphenyl	74		40-140

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1919676
Report Date: 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 05/13/19 23:52
Analyst: SC

Extraction Method: EPA 3546
Extraction Date: 05/13/19 11:27

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 01 Batch: WG1236514-1					
Total EPH	ND		mg/kg	23.3	23.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	98		40-140
o-Terphenyl	99		40-140

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 05/16/19 05:06
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 05/15/19 08:52

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 02 Batch: WG1237330-1					
Total EPH	ND		mg/kg	23.2	23.2

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	84		40-140
o-Terphenyl	82		40-140

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 05/14/19 08:50
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 02-03 Batch: WG1237409-4					
Gasoline Range Organics	760	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		70-130
4-Bromofluorobenzene	84		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 03 Batch: WG1236266-2 WG1236266-3								
Total EPH	86		84		40-140	2		25
Nonane (C9)	48		42		40-140	13		25
Decane (C10)	59		51		40-140	15		25
Dodecane (C12)	62		58		40-140	7		25
Tetradecane (C14)	65		67		40-140	3		25
Hexadecane (C16)	69		74		40-140	7		25
Octadecane (C18)	77		80		40-140	4		25
Eicosane (C20)	81		82		40-140	1		25
Heneicosane (C21)	82		82		40-140	0		25
Docosane (C22)	83		83		40-140	0		25
Tetracosane (C24)	83		84		40-140	1		25
Hexacosane (C26)	83		84		40-140	1		25
Octacosane (C28)	83		83		40-140	0		25
Triacontane (C30)	84		84		40-140	0		25
Dotriacontane (C32)	85		86		40-140	1		25
Tetratriacontane (C34)	84		84		40-140	0		25
Hexatriacontane (C36)	85		83		40-140	2		25
Octatriacontane (C38)	86		83		40-140	4		25
Tetracontane (C40)	83		80		40-140	4		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 03 Batch: WG1236266-2 WG1236266-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	78		79		40-140
o-Terphenyl	74		76		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01 Batch: WG1236514-2 WG1236514-3								
Total EPH	109		106		40-140	3		25
Nonane (C9)	74		77		40-140	4		25
Decane (C10)	87		89		40-140	2		25
Dodecane (C12)	87		88		40-140	1		25
Tetradecane (C14)	91		93		40-140	2		25
Hexadecane (C16)	101		98		40-140	3		25
Octadecane (C18)	107		102		40-140	5		25
Eicosane (C20)	109		103		40-140	6		25
Heneicosane (C21)	108		103		40-140	5		25
Docosane (C22)	109		103		40-140	6		25
Tetracosane (C24)	108		103		40-140	5		25
Hexacosane (C26)	108		103		40-140	5		25
Octacosane (C28)	107		105		40-140	2		25
Triacontane (C30)	109		106		40-140	3		25
Dotriacontane (C32)	110		106		40-140	4		25
Tetratriacontane (C34)	106		100		40-140	6		25
Hexatriacontane (C36)	107		99		40-140	8		25
Octatriacontane (C38)	101		91		40-140	10		25
Tetracontane (C40)	106		92		40-140	14		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01 Batch: WG1236514-2 WG1236514-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	100		94		40-140
o-Terphenyl	99		93		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02 Batch: WG1237330-2 WG1237330-3								
Total EPH	84		91		40-140	8		25
Nonane (C9)	58		64		40-140	10		25
Decane (C10)	65		73		40-140	12		25
Dodecane (C12)	66		73		40-140	10		25
Tetradecane (C14)	69		76		40-140	10		25
Hexadecane (C16)	77		84		40-140	9		25
Octadecane (C18)	81		88		40-140	8		25
Eicosane (C20)	83		90		40-140	8		25
Heneicosane (C21)	82		90		40-140	9		25
Docosane (C22)	83		90		40-140	8		25
Tetracosane (C24)	83		90		40-140	8		25
Hexacosane (C26)	83		90		40-140	8		25
Octacosane (C28)	82		90		40-140	9		25
Triacontane (C30)	83		91		40-140	9		25
Dotriacontane (C32)	84		92		40-140	9		25
Tetratriacontane (C34)	80		88		40-140	10		25
Hexatriacontane (C36)	80		88		40-140	10		25
Octatriacontane (C38)	74		82		40-140	10		25
Tetracontane (C40)	76		85		40-140	11		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02 Batch: WG1237330-2 WG1237330-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	78		84		40-140
o-Terphenyl	77		83		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 02-03		Batch: WG1237409-2 WG1237409-3					
Gasoline Range Organics	93		100		80-120	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	98		104		70-130
4-Bromofluorobenzene	105		113		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1236266-4 QC Sample: L1919019-01 Client ID: MS Sample												
Total EPH	ND	256	226	88		-	-		40-140	-		50
Nonane (C9)	ND	7.12	4.48	63		-	-		40-140	-		50
Decane (C10)	ND	7.12	5.19	73		-	-		40-140	-		50
Dodecane (C12)	ND	7.12	5.16	73		-	-		40-140	-		50
Tetradecane (C14)	ND	7.12	5.26	74		-	-		40-140	-		50
Hexadecane (C16)	ND	7.12	5.52	78		-	-		40-140	-		50
Octadecane (C18)	ND	7.12	5.64	79		-	-		40-140	-		50
Eicosane (C20)	ND	7.12	5.73	81		-	-		40-140	-		50
Heneicosane (C21)	ND	7.12	5.72	80		-	-		40-140	-		50
Docosane (C22)	ND	7.12	5.78	81		-	-		40-140	-		50
Tetracosane (C24)	ND	7.12	5.81	82		-	-		40-140	-		50
Hexacosane (C26)	ND	7.12	5.80	82		-	-		40-140	-		50
Octacosane (C28)	ND	7.12	5.80	82		-	-		40-140	-		50
Triacontane (C30)	ND	7.12	5.88	83		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.12	5.95	84		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.12	5.88	83		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.12	5.89	83		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.12	5.94	83		-	-		40-140	-		50
Tetracontane (C40)	ND	7.12	5.78	81		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	76				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1236266-4 QC Sample: L1919019-01 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	75				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1237330-4 QC Sample: L1920140-01 Client ID: MS Sample												
Total EPH	162	273	546	**141**	Q	-	-		40-140	-		50
Nonane (C9)	ND	7.58	5.63	74		-	-		40-140	-		50
Decane (C10)	ND	7.58	6.13	81		-	-		40-140	-		50
Dodecane (C12)	ND	7.58	6.55	86		-	-		40-140	-		50
Tetradecane (C14)	ND	7.58	7.28	96		-	-		40-140	-		50
Hexadecane (C16)	ND	7.58	7.67	101		-	-		40-140	-		50
Octadecane (C18)	ND	7.58	7.87	104		-	-		40-140	-		50
Eicosane (C20)	ND	7.58	7.93	105		-	-		40-140	-		50
Heneicosane (C21)	ND	7.58	7.88	104		-	-		40-140	-		50
Docosane (C22)	ND	7.58	7.92	105		-	-		40-140	-		50
Tetracosane (C24)	ND	7.58	7.74	102		-	-		40-140	-		50
Hexacosane (C26)	ND	7.58	7.92	105		-	-		40-140	-		50
Octacosane (C28)	ND	7.58	7.91	104		-	-		40-140	-		50
Triacontane (C30)	ND	7.58	8.32	110		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.58	8.26	109		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.58	8.08	107		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.58	8.52	112		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.58	8.62	114		-	-		40-140	-		50
Tetracontane (C40)	ND	7.58	8.36	110		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	94				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name:	300 WEST 122ND ST.	***Lab Number:***	L1919676
Project Number:	170500202	***Report Date:***	05/17/19

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab MS Sample	Associated sample(s): 02					QC Batch ID: WG1237330-4			QC Sample: L1920140-01			Client ID:

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	95				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1236266-5 QC Sample: L1919019-01 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	76		71		40-140
o-Terphenyl	76		70		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1236514-5 QC Sample: L1918474-01 Client ID: DUP Sample						
Total EPH	8430	8870	mg/kg	5		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	107		115		40-140
o-Terphenyl	136		130		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1237330-5 QC Sample: L1920140-01 Client ID: DUP Sample						
Total EPH	162	344	mg/kg	**72**	Q	50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	93		88		40-140
o-Terphenyl	95		91		40-140

PCBS

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-01
Client ID: WC04_17-23_COMP01
Sample Location: NY, NY

Date Collected: 05/10/19 12:10
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/11/19 20:07
Analyst: KEG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/11/19 02:08
Cleanup Method: EPA 3665A
Cleanup Date: 05/11/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/11/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.5	3.06	1	A
Aroclor 1221	ND		ug/kg	34.5	3.46	1	A
Aroclor 1232	ND		ug/kg	34.5	7.32	1	A
Aroclor 1242	ND		ug/kg	34.5	4.65	1	A
Aroclor 1248	ND		ug/kg	34.5	5.18	1	A
Aroclor 1254	ND		ug/kg	34.5	3.78	1	A
Aroclor 1260	ND		ug/kg	34.5	6.38	1	A
Aroclor 1262	ND		ug/kg	34.5	4.38	1	A
Aroclor 1268	ND		ug/kg	34.5	3.58	1	A
PCBs, Total	ND		ug/kg	34.5	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/11/19 19:05
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 05/11/19 01:59
Cleanup Method: EPA 3665A
Cleanup Date: 05/11/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/11/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1236033-1						
Aroclor 1016	ND		ug/kg	31.5	2.80	A
Aroclor 1221	ND		ug/kg	31.5	3.15	A
Aroclor 1232	ND		ug/kg	31.5	6.68	A
Aroclor 1242	ND		ug/kg	31.5	4.24	A
Aroclor 1248	ND		ug/kg	31.5	4.72	A
Aroclor 1254	ND		ug/kg	31.5	3.44	A
Aroclor 1260	ND		ug/kg	31.5	5.82	A
Aroclor 1262	ND		ug/kg	31.5	4.00	A
Aroclor 1268	ND		ug/kg	31.5	3.26	A
PCBs, Total	ND		ug/kg	31.5	2.80	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	60		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1236033-2 WG1236033-3									
Aroclor 1016	78		76		40-140	3		50	A
Aroclor 1260	60		63		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		79		30-150	A
Decachlorobiphenyl	61		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		71		30-150	B
Decachlorobiphenyl	63		59		30-150	B

PESTICIDES

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1919676
Report Date: 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-01
Client ID: WC04_17-23_COMP01
Sample Location: NY, NY

Date Collected: 05/10/19 12:10
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/13/19 23:13
Analyst: AMC
Percent Solids: 92%
TCLP/SPLP Ext. Date: 05/11/19 06:33

Extraction Method: EPA 3510C
Extraction Date: 05/12/19 09:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 300 WEST 122ND ST.
Lab Number: L1919676
Project Number: 170500202
Report Date: 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-01
Client ID: WC04_17-23_COMP01
Sample Location: NY, NY

Date Collected: 05/10/19 12:10
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/14/19 17:37
Analyst: BM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/11/19 01:04
Cleanup Method: EPA 3620B
Cleanup Date: 05/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.322	1	A
Lindane	ND		ug/kg	0.686	0.306	1	A
Alpha-BHC	ND		ug/kg	0.686	0.195	1	A
Beta-BHC	ND		ug/kg	1.65	0.624	1	A
Heptachlor	ND		ug/kg	0.823	0.369	1	A
Aldrin	ND		ug/kg	1.65	0.580	1	A
Heptachlor epoxide	ND		ug/kg	3.09	0.926	1	A
Endrin	ND		ug/kg	0.686	0.281	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.720	1	A
Endrin ketone	ND		ug/kg	1.65	0.424	1	A
Dieldrin	ND		ug/kg	1.03	0.514	1	A
4,4'-DDE	ND		ug/kg	1.65	0.381	1	A
4,4'-DDD	ND		ug/kg	1.65	0.587	1	A
4,4'-DDT	ND		ug/kg	3.09	1.32	1	A
Endosulfan I	ND		ug/kg	1.65	0.389	1	A
Endosulfan II	ND		ug/kg	1.65	0.550	1	A
Endosulfan sulfate	ND		ug/kg	0.686	0.326	1	A
Methoxychlor	ND		ug/kg	3.09	0.960	1	A
Toxaphene	ND		ug/kg	30.9	8.64	1	A
cis-Chlordane	ND		ug/kg	2.06	0.573	1	A
trans-Chlordane	ND		ug/kg	2.06	0.543	1	A
Chlordane	ND		ug/kg	13.4	5.45	1	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-01 Date Collected: 05/10/19 12:10

Client ID: WC04_17-23_COMP01 Date Received: 05/10/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

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	66		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/11/19 01:19
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 05/10/19 03:27
Cleanup Method: EPA 3620B
Cleanup Date: 05/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1235632-1						
Delta-BHC	ND		ug/kg	1.51	0.296	A
Lindane	ND		ug/kg	0.630	0.281	A
Alpha-BHC	ND		ug/kg	0.630	0.179	A
Beta-BHC	ND		ug/kg	1.51	0.573	A
Heptachlor	ND		ug/kg	0.756	0.339	A
Aldrin	ND		ug/kg	1.51	0.532	A
Heptachlor epoxide	ND		ug/kg	2.83	0.850	A
Endrin	ND		ug/kg	0.630	0.258	A
Endrin aldehyde	ND		ug/kg	1.89	0.661	A
Endrin ketone	ND		ug/kg	1.51	0.389	A
Dieldrin	ND		ug/kg	0.944	0.472	A
4,4'-DDE	ND		ug/kg	1.51	0.349	A
4,4'-DDD	ND		ug/kg	1.51	0.539	A
4,4'-DDT	ND		ug/kg	2.83	1.22	A
Endosulfan I	ND		ug/kg	1.51	0.357	A
Endosulfan II	ND		ug/kg	1.51	0.505	A
Endosulfan sulfate	ND		ug/kg	0.630	0.300	A
Methoxychlor	ND		ug/kg	2.83	0.882	A
Toxaphene	ND		ug/kg	28.3	7.93	A
cis-Chlordane	ND		ug/kg	1.89	0.526	A
trans-Chlordane	ND		ug/kg	1.89	0.499	A
Chlordane	ND		ug/kg	12.3	5.01	A

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/11/19 01:19
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 05/10/19 03:27
Cleanup Method: EPA 3620B
Cleanup Date: 05/10/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1235632-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	111		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	115		30-150	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/13/19 22:22
Analyst: AMC
TCLP/SPLP Extraction Date: 05/11/19 06:33

Extraction Method: EPA 3510C
Extraction Date: 05/12/19 09:36

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1236273-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	125		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	97		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1235632-2 WG1235632-3									
Delta-BHC	116		125		30-150	7		30	A
Lindane	113		119		30-150	5		30	A
Alpha-BHC	118		124		30-150	5		30	A
Beta-BHC	118		123		30-150	4		30	A
Heptachlor	124		130		30-150	5		30	A
Aldrin	127		130		30-150	2		30	A
Heptachlor epoxide	108		105		30-150	3		30	A
Endrin	126		129		30-150	2		30	A
Endrin aldehyde	90		100		30-150	11		30	A
Endrin ketone	110		115		30-150	4		30	A
Dieldrin	135		138		30-150	2		30	A
4,4'-DDE	134		136		30-150	1		30	A
4,4'-DDD	132		134		30-150	2		30	A
4,4'-DDT	136		138		30-150	1		30	A
Endosulfan I	124		126		30-150	2		30	A
Endosulfan II	126		130		30-150	3		30	A
Endosulfan sulfate	88		90		30-150	2		30	A
Methoxychlor	118		124		30-150	5		30	A
cis-Chlordane	116		117		30-150	1		30	A
trans-Chlordane	96		94		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1235632-2 WG1235632-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		85		30-150	B
Decachlorobiphenyl	95		107		30-150	B
2,4,5,6-Tetrachloro-m-xylene	97		107		30-150	A
Decachlorobiphenyl	107		106		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1236273-2 WG1236273-3									
Lindane	149		116		30-150	**25**	Q	20	A
Heptachlor	126		98		30-150	**25**	Q	20	A
Heptachlor epoxide	**167**	Q	129		30-150	**26**	Q	20	A
Endrin	**172**	Q	130		30-150	**28**	Q	20	A
Methoxychlor	92		73		30-150	**23**	Q	20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	135		104		30-150	A
Decachlorobiphenyl	**167**	Q	133		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		85		30-150	B
Decachlorobiphenyl	126		104		30-150	B

METALS

Project Name: 300 WEST 122ND ST.
Lab Number: L1919676
Project Number: 170500202
Report Date: 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-01
Client ID: WC04_17-23_COMP01
Sample Location: NY, NY
Date Collected: 05/10/19 12:10
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%
TCLP/SPLP Ext. Date: 05/11/19 06:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.028	J	mg/l	1.00	0.019	1	05/14/19 15:58	05/14/19 18:44	EPA 3015	1,6010D	AB
Barium, TCLP	0.555		mg/l	0.500	0.021	1	05/14/19 15:58	05/14/19 18:44	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	05/14/19 15:58	05/14/19 18:44	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	05/14/19 15:58	05/14/19 18:44	EPA 3015	1,6010D	AB
Lead, TCLP	0.208	J	mg/l	0.500	0.027	1	05/14/19 15:58	05/14/19 18:44	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	05/16/19 10:59	05/16/19 19:47	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	05/14/19 15:58	05/14/19 18:44	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	05/14/19 15:58	05/14/19 18:44	EPA 3015	1,6010D	AB

Project Name: 300 WEST 122ND ST.
Lab Number: L1919676
Project Number: 170500202
Report Date: 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-01
Client ID: WC04_17-23_COMP01
Sample Location: NY, NY
Date Collected: 05/10/19 12:10
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2080		mg/kg	8.45	2.28	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Antimony, Total	0.321	J	mg/kg	4.22	0.321	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Arsenic, Total	1.12		mg/kg	0.845	0.176	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Barium, Total	24.8		mg/kg	0.845	0.147	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Beryllium, Total	0.110	J	mg/kg	0.422	0.028	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.845	0.083	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Calcium, Total	4120		mg/kg	8.45	2.96	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Chromium, Total	6.00		mg/kg	0.845	0.081	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Cobalt, Total	2.72		mg/kg	1.69	0.140	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Copper, Total	10.2		mg/kg	0.845	0.218	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Iron, Total	5220		mg/kg	4.22	0.763	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Lead, Total	32.7		mg/kg	4.22	0.226	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Magnesium, Total	1170		mg/kg	8.45	1.30	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Manganese, Total	109		mg/kg	0.845	0.134	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.069	0.015	1	05/11/19 08:00	05/11/19 16:03	EPA 7471B	1,7471B	BV
Nickel, Total	6.65		mg/kg	2.11	0.204	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Potassium, Total	534		mg/kg	211	12.2	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.69	0.218	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.845	0.239	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Sodium, Total	85.7	J	mg/kg	169	2.66	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.69	0.266	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Vanadium, Total	7.64		mg/kg	0.845	0.171	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC
Zinc, Total	21.3		mg/kg	4.22	0.247	2	05/15/19 07:00	05/15/19 13:02	EPA 3050B	1,6010D	LC

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1236072-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	05/11/19 08:00	05/11/19 15:08	1,7471B	BV

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1237017-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	05/14/19 15:58	05/14/19 17:37	1,6010D	LC
Barium, TCLP	ND		mg/l	0.500	0.021	1	05/14/19 15:58	05/14/19 17:37	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	05/14/19 15:58	05/14/19 17:37	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	05/14/19 15:58	05/14/19 17:37	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	05/14/19 15:58	05/14/19 17:37	1,6010D	LC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	05/14/19 15:58	05/14/19 17:37	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	05/14/19 15:58	05/14/19 17:37	1,6010D	LC

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 05/10/19 22:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1237248-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC

Project Name: 300 WEST 122ND ST. **Lab Number:** L1919676

Project Number: 170500202 **Report Date:** 05/17/19

Method Blank Analysis
Batch Quality Control

Copper, Total	ND		mg/kg	0.400	0.103	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Iron, Total	ND		mg/kg	2.00	0.361	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Manganese, Total	ND		mg/kg	0.400	0.064	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Sodium, Total	11.4	J	mg/kg	80.0	1.26	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	05/15/19 07:00	05/15/19 10:53	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1237869-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	05/16/19 10:59	05/16/19 19:43	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 05/10/19 22:25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1236072-2 SRM Lot Number: D101-540								
Mercury, Total	103		-		65-135	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1237017-2								
Arsenic, TCLP	102		-		75-125	-		20
Barium, TCLP	100		-		75-125	-		20
Cadmium, TCLP	103		-		75-125	-		20
Chromium, TCLP	100		-		75-125	-		20
Lead, TCLP	98		-		75-125	-		20
Selenium, TCLP	102		-		75-125	-		20
Silver, TCLP	101		-		75-125	-		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1237248-2 SRM Lot Number: D101-540					
Aluminum, Total	63	-	50-151	-	
Antimony, Total	141	-	3-196	-	
Arsenic, Total	96	-	83-117	-	
Barium, Total	85	-	83-118	-	
Beryllium, Total	90	-	83-117	-	
Cadmium, Total	95	-	83-117	-	
Calcium, Total	85	-	81-119	-	
Chromium, Total	89	-	81-118	-	
Cobalt, Total	96	-	84-116	-	
Copper, Total	86	-	83-116	-	
Iron, Total	81	-	62-138	-	
Lead, Total	94	-	83-117	-	
Magnesium, Total	77	-	76-124	-	
Manganese, Total	87	-	82-118	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	80	-	71-130	-	
Selenium, Total	97	-	79-121	-	
Silver, Total	87	-	80-120	-	
Sodium, Total	92	-	72-127	-	
Thallium, Total	95	-	81-119	-	
Vanadium, Total	88	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1237248-2 SRM Lot Number: D101-540					
Zinc, Total	95	-	81-119	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1237869-2					
Mercury, TCLP	108	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1236072-3 WG1236072-4 QC Sample: L1919822-01 Client ID: MS Sample												
Mercury, Total	0.070J	0.146	0.260	**178**	Q	0.246	**171**	Q	80-120	6		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1237017-3 QC Sample: L1919527-01 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.26	105		-	-		75-125	-		20
Barium, TCLP	0.605	20	21.9	106		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.553	108		-	-		75-125	-		20
Chromium, TCLP	ND	2	2.11	106		-	-		75-125	-		20
Lead, TCLP	0.110J	5.1	5.18	102		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.24	103		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.535	107		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1237248-3 QC Sample: L1920119-01 Client ID: MS Sample										
Aluminum, Total	6280	208	7390	**532**	Q	-	-	75-125	-	20
Antimony, Total	0.899J	52.1	48.1	92		-	-	75-125	-	20
Arsenic, Total	2.71	12.5	14.3	93		-	-	75-125	-	20
Barium, Total	58.0	208	232	83		-	-	75-125	-	20
Beryllium, Total	0.242J	5.21	5.19	100		-	-	75-125	-	20
Cadmium, Total	ND	5.32	5.24	98		-	-	75-125	-	20
Calcium, Total	8640	1040	8160	**0**	Q	-	-	75-125	-	20
Chromium, Total	7.10	20.8	27.0	95		-	-	75-125	-	20
Cobalt, Total	3.53	52.1	52.8	94		-	-	75-125	-	20
Copper, Total	9.68	26	31.5	84		-	-	75-125	-	20
Iron, Total	9480	104	10100	**595**	Q	-	-	75-125	-	20
Lead, Total	55.4	53.2	85.9	**57**	Q	-	-	75-125	-	20
Magnesium, Total	3110	1040	3380	**26**	Q	-	-	75-125	-	20
Manganese, Total	118	52.1	179	117		-	-	75-125	-	20
Nickel, Total	6.31	52.1	54.3	92		-	-	75-125	-	20
Potassium, Total	466	1040	1380	88		-	-	75-125	-	20
Selenium, Total	ND	12.5	11.5	92		-	-	75-125	-	20
Silver, Total	ND	31.3	26.4	84		-	-	75-125	-	20
Sodium, Total	134J	1040	1090	104		-	-	75-125	-	20
Thallium, Total	ND	12.5	10.4	83		-	-	75-125	-	20
Vanadium, Total	14.6	52.1	65.8	98		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1237248-3 QC Sample: L1920119-01 Client ID: MS Sample									
Zinc, Total	67.2	52.1	123	107	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1237869-3 QC Sample: L1919676-01 Client ID: WC04_17-23_COMP01									
Mercury, TCLP	ND	0.025	0.0262	105	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1237017-4 QC Sample: L1919527-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	0.023J	mg/l	NC		20
Barium, TCLP	0.605	0.596	mg/l	1		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.110J	0.100J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1237248-4 QC Sample: L1920119-01 Client ID: DUP Sample						
Aluminum, Total	6280	6520	mg/kg	4		20
Antimony, Total	0.899J	0.662J	mg/kg	NC		20
Arsenic, Total	2.71	2.17	mg/kg	**22**	Q	20
Barium, Total	58.0	29.6	mg/kg	**65**	Q	20
Beryllium, Total	0.242J	0.252J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	8640	3970	mg/kg	**74**	Q	20
Chromium, Total	7.10	6.84	mg/kg	4		20
Cobalt, Total	3.53	3.47	mg/kg	2		20
Copper, Total	9.68	7.23	mg/kg	**29**	Q	20
Iron, Total	9480	9880	mg/kg	4		20
Lead, Total	55.4	25.6	mg/kg	**74**	Q	20
Magnesium, Total	3110	1780	mg/kg	**54**	Q	20
Manganese, Total	118	107	mg/kg	10		20
Nickel, Total	6.31	5.74	mg/kg	9		20
Potassium, Total	466	354	mg/kg	**27**	Q	20
Selenium, Total	ND	0.735J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	134J	247	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1237248-4 QC Sample: L1920119-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	14.6	14.8	mg/kg	1	20
Zinc, Total	67.2	57.2	mg/kg	16	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1237869-4 QC Sample: L1919676-01 Client ID: WC04_17-23_COMP01					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-01
Client ID: WC04_17-23_COMP01
Sample Location: NY, NY

Date Collected: 05/10/19 12:10
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.7		%	0.100	NA	1	-	05/11/19 02:21	121,2540G	YA
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	05/14/19 17:22	1,9095B	AS

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-02
Client ID: WC04_20_GRAB01
Sample Location: NY, NY

Date Collected: 05/10/19 12:05
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	05/11/19 02:21	121,2540G	YA

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

SAMPLE RESULTS

Lab ID: L1919676-03
Client ID: WC04_23_GRAB02
Sample Location: NY, NY

Date Collected: 05/10/19 12:15
Date Received: 05/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	05/11/19 02:21	121,2540G	YA

Lab Duplicate Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1919676

Report Date: 05/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1236017-1 QC Sample: L1919650-01 Client ID: DUP Sample						
Solids, Total	94.3	94.3	%	0		20

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1919676-01A	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1919676-01B	Glass 500ml/16oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),NJEPH-TPH-CAT1(14),TS(7),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1919676-01E	Glass 500ml/16oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),NJEPH-TPH-CAT1(14),TS(7),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1919676-01W	Amber 1000ml unpreserved Extracts	A	NA		2.8	Y	Absent		TCLP-8270(14),PEST-TCLP*(14)
L1919676-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.8	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1919676-01X9	Tumble Vessel	A	NA		2.8	Y	Absent		-
L1919676-02A	Vial MeOH preserved	A	NA		2.8	Y	Absent		TPH-GRO(14),NYTCL-8260HLW(14)
L1919676-02B	Vial water preserved	A	NA		2.8	Y	Absent	11-MAY-19 00:32	NYTCL-8260HLW(14)
L1919676-02C	Vial water preserved	A	NA		2.8	Y	Absent	11-MAY-19 00:32	NYTCL-8260HLW(14)
L1919676-02D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1919676-02E	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-8260(14),NJEPH-TPH-CAT1(14)
L1919676-02Y	Vial unpreserved Extracts	A	NA		2.8	Y	Absent		HOLD-8260(14)
L1919676-02Z	Vial unpreserved Extracts	A	NA		2.8	Y	Absent		HOLD-8260(14)
L1919676-03A	Vial MeOH preserved split	A	NA		2.8	Y	Absent		TPH-GRO(14)
L1919676-03B	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		TPH-GRO(14),NJEPH-TPH-CAT1(14),TS(7)
L1919676-04A	Glass 60mL/2oz unpreserved	B	NA		4.6	Y	Absent		TCLP-EXT-ZHE(14)
L1919676-04B	Glass 60mL/2oz unpreserved	B	NA		4.6	Y	Absent		TCLP-EXT-ZHE(14)

*Values in parentheses indicate holding time in days

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1919676
Report Date: 05/17/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1919676-04T	Vial unpreserved Extracts	B	NA		4.6	Y	Absent		TCLP-VOA(14)
L1919676-04U	Vial unpreserved Extracts	B	NA		4.6	Y	Absent		TCLP-VOA(14)

*Values in parentheses indicate holding time in days

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1919676
Project Number:	170500202	**Report Date:**	05/17/19

GLOSSARY

Acronyms

DL - 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 limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

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).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

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.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

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.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

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.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1919676
Project Number:	170500202	**Report Date:**	05/17/19

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

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.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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.

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.

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.

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).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1919676
Project Number:	170500202	**Report Date:**	05/17/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
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.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, 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; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 5/10/19

ALPHA Job #: L1919676

Client Information
Client: LANGAN ABPC
Address:
Phone:
Fax:
Email: GWYKA@LANGAN.COM

Project Information
Project Name: 300 West 122 nd St
Project Location: NY, NY
Project #: 170503202
(Use Project name as Project #) ☐
Project Manager: Greg Wyka
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other TCL/TCLP
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL/TCLP VOCs	EPH + GRO	EPH - DRO	TAL metals	TCL SVOCs, PEST, PCBs	TCLP SVOCs, PEST, PCBs, Metals	Paint Filter	Total Bottle	Sample Specific Comments
19676-01	WC04-17-23_COMP01	5/10/19	1210	SOIL	RKL			X	X	X	X	X		
-02	WC04-20_GRAB01	↓	1205	↓	↓	X	X							
-03	WC04-23_GRAB02	↓	1215	↓	↓									

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type														
Preservative														

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/10/19 1345	[signature] AKL	5/10/19 1345
[signature]	5/10/19 1615	[signature]	5/10/19 1615
[signature]	5/10/19 2105	[signature]	5/10/19 2105

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 5/13/19

ALPHA Job #: L1919676

Client Information
Client: LANGAN, DPC
Address: 360 W. 31st St Flr. 8
NY, NY 10001
Phone: 212-479-5400
Fax:
Email: GWYKA@LANGAN.COM

Project Information
Project Name: 300 West 122nd St
Project Location: NY NY
Project #: 170500202
(Use Project name as Project #) ☐
Project Manager: GREG WYKA
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Please add to L1919676

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other TCLP
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP VOCs	Total Bottle	Sample Specific Comments
19676 04	WC04_18.5_GRAB03	05/13/19	14:15	SOIL	RL	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	5/13 7:40	Kevin O'Leary	5/13/19 14:40
Kevin O'Leary	5/13/19 18:26		5/13/19 19:26
ABL	5/13/19 23:45		5/13/19 23:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

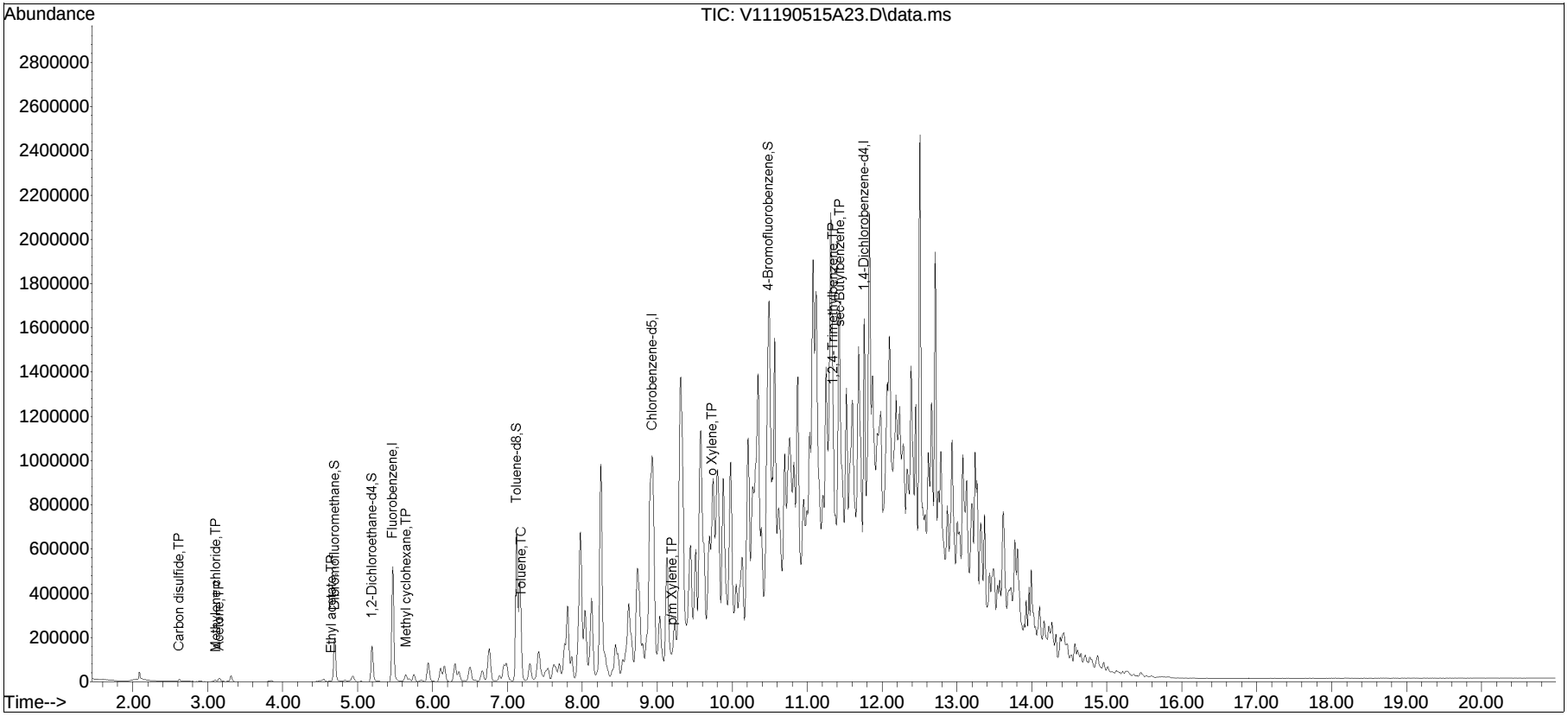
Form No: 01-25 HC (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2019\190515A\
Data File : V11190515A23.D
Acq On : 15 May 2019 04:03 pm
Operator : VOA111:PK
Sample : l1919676-02,31H,4.54,5,0.100,,a
Misc : WG1237153,ICAL15764
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 15 19:08:12 2019
Quant Method : I:\VOLATILES\VOA111\2019\190515A\V111_190503A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 06 18:32:07 2019
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox5A\V11190515A01.D•



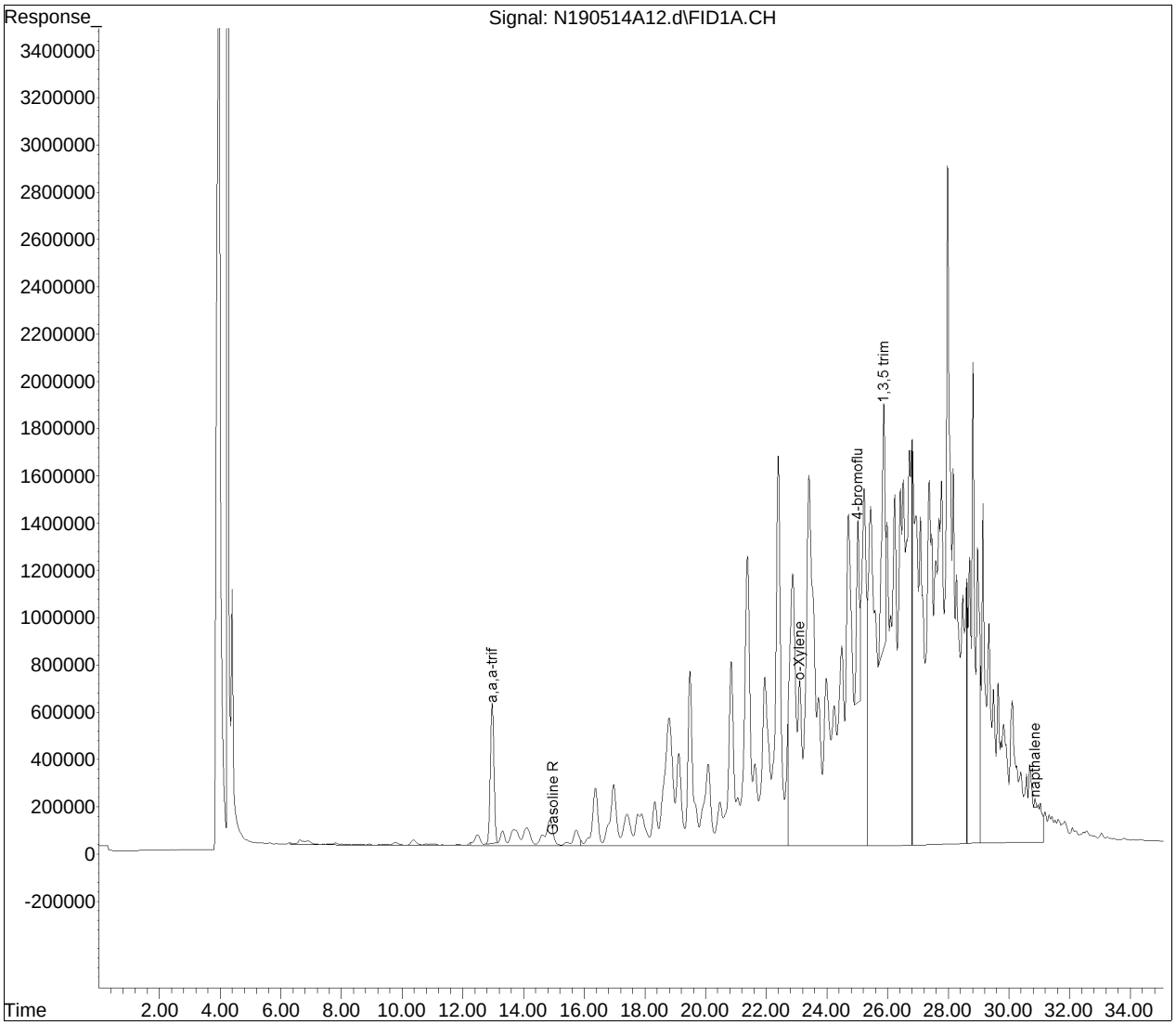
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES_GC\NVPH\2019\190514Atphgro\
Data File : N190514A12.d
Signal(s) : FID1A.CH
Acq On : 14 May 2019 3:41 pm
Operator : NVPH:BAD
Sample : L1919676-02,41,5,5.54,0.100,,A
Misc : WG1237409,ICAL14927
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: May 15 11:48:55 2019
Quant Method : I:\VOLATILES_GC\NVPH\2019\190514Atphgro\tphgro180709A.m
Quant Title : TPH_GRO
QLast Update : Tue Jul 10 11:04:35 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



ANALYTICAL REPORT

Lab Number:	L1925605
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	300 WEST 122ND ST.
Project Number:	170500202
Report Date:	06/17/19

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1925605-01	RAMP3_GRAB01	SOIL	NY, NY	06/13/19 16:10	06/13/19
L1925605-02	RAMP3_COMP01	SOIL	NY, NY	06/13/19 16:15	06/13/19
L1925605-03	RAMP3_DRO/GRO	SOIL	NY, NY	06/13/19 16:15	06/13/19
L1925605-04	RAMP4_GRAB01	SOIL	NY, NY	06/13/19 16:18	06/13/19
L1925605-05	RAMP4_COMP01	SOIL	NY, NY	06/13/19 16:20	06/13/19
L1925605-06	RAMP4_DRO/GRO	SOIL	NY, NY	06/13/19 16:20	06/13/19

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1925605
Project Number:	170500202	**Report Date:**	06/17/19

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1925605
Project Number:	170500202	**Report Date:**	06/17/19

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

L1925605-01 and -04: The analysis of TCLP Volatiles was not received in the recommended container. The analysis was performed at the client's request.

NJ EPH (Total)

WG1248648: An MS/MSD was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the native sample would have caused the spike compounds to be diluted below the range of calibration.

Total Metals

L1925605-02 and -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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: 06/17/19

ORGANICS

VOLATILES

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-01
Client ID: RAMP3_GRAB01
Sample Location: NY, NY

Date Collected: 06/13/19 16:10
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/17/19 06:40
Analyst: MM
Percent Solids: 93%
TCLP/SPLP Ext. Date: 06/14/19 13:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
dibromofluoromethane	102		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-01
Client ID: RAMP3_GRAB01
Sample Location: NY, NY

Date Collected: 06/13/19 16:10
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/14/19 08:43
Analyst: PK
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-01 Date Collected: 06/13/19 16:10

Client ID: RAMP3_GRAB01 Date Received: 06/13/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	46		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1
Tert-Butyl Alcohol	97		ug/kg	22	5.6	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-01 Date Collected: 06/13/19 16:10

Client ID: RAMP3_GRAB01 Date Received: 06/13/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
Methyl Acetate	88		ug/kg	4.3	1.0	1
Acrolein	ND		ug/kg	27	6.1	1
Cyclohexane	ND		ug/kg	11	0.59	1
1,4-Dioxane	ND		ug/kg	87	38.	1
Freon-113	ND		ug/kg	4.3	0.75	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1
Methyl cyclohexane	ND		ug/kg	4.3	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	97		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-04
Client ID: RAMP4_GRAB01
Sample Location: NY, NY

Date Collected: 06/13/19 16:18
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/17/19 07:05
Analyst: MM
Percent Solids: 92%
TCLP/SPLP Ext. Date: 06/14/19 13:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
dibromofluoromethane	101		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-04
Client ID: RAMP4_GRAB01
Sample Location: NY, NY

Date Collected: 06/13/19 16:18
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/14/19 09:08
Analyst: PK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-04 Date Collected: 06/13/19 16:18

Client ID: RAMP4_GRAB01 Date Received: 06/13/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	52		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.71	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1
Tert-Butyl Alcohol	45		ug/kg	22	5.6	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-04 Date Collected: 06/13/19 16:18

Client ID: RAMP4_GRAB01 Date Received: 06/13/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
Methyl Acetate	120		ug/kg	4.3	1.0	1
Acrolein	ND		ug/kg	27	6.1	1
Cyclohexane	ND		ug/kg	11	0.59	1
1,4-Dioxane	ND		ug/kg	87	38.	1
Freon-113	ND		ug/kg	4.3	0.75	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1
Methyl cyclohexane	ND		ug/kg	4.3	0.66	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	98		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/14/19 07:51
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,04 Batch: WG1248613-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/14/19 07:51
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,04 Batch: WG1248613-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.25	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/14/19 07:51
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,04 Batch: WG1248613-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/14/19 07:51
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,04 Batch: WG1248613-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/17/19 05:23
Analyst: MM
TCLP/SPLP Extraction Date: 06/14/19 13:12

Extraction Date: 06/14/19 13:12

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01,04 Batch: WG1249368-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,04 Batch: WG1248613-3 WG1248613-4								
Methylene chloride	96		95		70-130	1		30
1,1-Dichloroethane	98		100		70-130	2		30
Chloroform	98		100		70-130	2		30
Carbon tetrachloride	87		88		70-130	1		30
1,2-Dichloropropane	99		99		70-130	0		30
Dibromochloromethane	91		91		70-130	0		30
1,1,2-Trichloroethane	94		95		70-130	1		30
Tetrachloroethene	91		91		70-130	0		30
Chlorobenzene	90		90		70-130	0		30
Trichlorofluoromethane	94		96		70-139	2		30
1,2-Dichloroethane	96		96		70-130	0		30
1,1,1-Trichloroethane	95		95		70-130	0		30
Bromodichloromethane	94		95		70-130	1		30
trans-1,3-Dichloropropene	93		94		70-130	1		30
cis-1,3-Dichloropropene	96		96		70-130	0		30
1,1-Dichloropropene	94		95		70-130	1		30
Bromoform	86		88		70-130	2		30
1,1,2,2-Tetrachloroethane	95		95		70-130	0		30
Benzene	94		95		70-130	1		30
Toluene	91		91		70-130	0		30
Ethylbenzene	90		91		70-130	1		30
Chloromethane	104		106		52-130	2		30
Bromomethane	90		93		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,04 Batch: WG1248613-3 WG1248613-4								
Vinyl chloride	104		106		67-130	2		30
Chloroethane	103		104		50-151	1		30
1,1-Dichloroethene	96		97		65-135	1		30
trans-1,2-Dichloroethene	95		96		70-130	1		30
Trichloroethene	91		94		70-130	3		30
1,2-Dichlorobenzene	89		91		70-130	2		30
1,3-Dichlorobenzene	88		90		70-130	2		30
1,4-Dichlorobenzene	89		89		70-130	0		30
Methyl tert butyl ether	101		102		66-130	1		30
p/m-Xylene	89		89		70-130	0		30
o-Xylene	89		89		70-130	0		30
cis-1,2-Dichloroethene	96		97		70-130	1		30
Dibromomethane	95		96		70-130	1		30
Styrene	88		89		70-130	1		30
Dichlorodifluoromethane	92		93		30-146	1		30
Acetone	104		104		54-140	0		30
Carbon disulfide	89		90		59-130	1		30
2-Butanone	102		105		70-130	3		30
Vinyl acetate	98		97		70-130	1		30
4-Methyl-2-pentanone	97		96		70-130	1		30
1,2,3-Trichloropropane	91		92		68-130	1		30
2-Hexanone	94		95		70-130	1		30
Bromochloromethane	98		96		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1925605

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,04 Batch: WG1248613-3 WG1248613-4								
2,2-Dichloropropane	94		96		70-130	2		30
1,2-Dibromoethane	93		94		70-130	1		30
1,3-Dichloropropane	95		96		69-130	1		30
1,1,1,2-Tetrachloroethane	91		92		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	88		89		70-130	1		30
sec-Butylbenzene	88		90		70-130	2		30
tert-Butylbenzene	88		89		70-130	1		30
o-Chlorotoluene	89		90		70-130	1		30
p-Chlorotoluene	89		89		70-130	0		30
1,2-Dibromo-3-chloropropane	83		81		68-130	2		30
Hexachlorobutadiene	81		81		67-130	0		30
Isopropylbenzene	89		90		70-130	1		30
p-Isopropyltoluene	87		89		70-130	2		30
Naphthalene	91		91		70-130	0		30
Acrylonitrile	103		102		70-130	1		30
Tert-Butyl Alcohol	107		108		70-130	1		30
n-Propylbenzene	89		90		70-130	1		30
1,2,3-Trichlorobenzene	92		90		70-130	2		30
1,2,4-Trichlorobenzene	89		89		70-130	0		30
1,3,5-Trimethylbenzene	88		90		70-130	2		30
1,2,4-Trimethylbenzene	89		91		70-130	2		30
Methyl Acetate	106		106		51-146	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,04 Batch: WG1248613-3 WG1248613-4								
Acrolein	111		113		70-130	2		30
Cyclohexane	93		95		59-142	2		30
1,4-Dioxane	105		102		65-136	3		30
Freon-113	92		92		50-139	0		30
p-Diethylbenzene	86		88		70-130	2		30
p-Ethyltoluene	89		90		70-130	1		30
1,2,4,5-Tetramethylbenzene	88		88		70-130	0		30
Ethyl ether	100		102		67-130	2		30
trans-1,4-Dichloro-2-butene	94		94		70-130	0		30
Methyl cyclohexane	87		87		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG1249368-3 WG1249368-4								
Chloroform	99		93		70-130	6		20
Carbon tetrachloride	100		98		63-132	2		20
Tetrachloroethene	96		95		70-130	1		20
Chlorobenzene	97		96		75-130	1		25
1,2-Dichloroethane	99		97		70-130	2		20
Benzene	98		96		70-130	2		25
Vinyl chloride	100		99		55-140	1		20
1,1-Dichloroethene	99		100		61-145	1		25
Trichloroethene	100		96		70-130	4		25
1,4-Dichlorobenzene	94		94		70-130	0		20
2-Butanone	99		97		63-138	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		98		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	97		98		70-130
dibromofluoromethane	101		98		70-130

SEMIVOLATILES

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-02
Client ID: RAMP3_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:15
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/16/19 16:56
Analyst: RC
Percent Solids: 94%
TCLP/SPLP Ext. Date: 06/14/19 06:54

Extraction Method: EPA 3510C
Extraction Date: 06/15/19 12:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	65		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	95		33-120

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-02
Client ID: RAMP3_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:15
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/14/19 12:34
Analyst: EK
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/14/19 05:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	580	190	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Azobenzene	ND		ug/kg	180	17.	1
Fluoranthene	490		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-02 Date Collected: 06/13/19 16:15

Client ID: RAMP3_COMP01 Date Received: 06/13/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	300		ug/kg	110	20.	1
Benzo(a)pyrene	280		ug/kg	140	43.	1
Benzo(b)fluoranthene	390		ug/kg	110	30.	1
Benzo(k)fluoranthene	94	J	ug/kg	110	28.	1
Chrysene	260		ug/kg	110	18.	1
Acenaphthylene	86	J	ug/kg	140	27.	1
Anthracene	73	J	ug/kg	110	34.	1
Benzo(ghi)perylene	180		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	210		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	49	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	190		ug/kg	140	25.	1
Pyrene	440		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
n-Nitrosodimethylamine	ND		ug/kg	350	34.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-02 Date Collected: 06/13/19 16:15

Client ID: RAMP3_COMP01 Date Received: 06/13/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	23	J	ug/kg	180	17.	1
Atrazine	ND		ug/kg	140	62.	1
Benzaldehyde	ND		ug/kg	230	48.	1
Caprolactam	ND		ug/kg	180	54.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	86		18-120

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-05
Client ID: RAMP4_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:20
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/16/19 17:22
Analyst: RC
Percent Solids: 93%
TCLP/SPLP Ext. Date: 06/14/19 06:54

Extraction Method: EPA 3510C
Extraction Date: 06/15/19 12:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	84		33-120

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-05
Client ID: RAMP4_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:20
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/14/19 13:00
Analyst: EK
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/14/19 05:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	18	J	ug/kg	140	18.	1
Benzidine	ND		ug/kg	590	190	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Azobenzene	ND		ug/kg	180	17.	1
Fluoranthene	820		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-05 Date Collected: 06/13/19 16:20

Client ID: RAMP4_COMP01 Date Received: 06/13/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	470		ug/kg	110	20.	1
Benzo(a)pyrene	430		ug/kg	140	43.	1
Benzo(b)fluoranthene	590		ug/kg	110	30.	1
Benzo(k)fluoranthene	160		ug/kg	110	28.	1
Chrysene	420		ug/kg	110	18.	1
Acenaphthylene	140		ug/kg	140	27.	1
Anthracene	150		ug/kg	110	35.	1
Benzo(ghi)perylene	280		ug/kg	140	21.	1
Fluorene	43	J	ug/kg	180	17.	1
Phenanthrene	430		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	82	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	320		ug/kg	140	25.	1
Pyrene	750		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	20	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
n-Nitrosodimethylamine	ND		ug/kg	360	34.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-05 Date Collected: 06/13/19 16:20

Client ID: RAMP4_COMP01 Date Received: 06/13/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	33	J	ug/kg	180	17.	1
Atrazine	ND		ug/kg	140	62.	1
Benzaldehyde	ND		ug/kg	240	48.	1
Caprolactam	ND		ug/kg	180	54.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	101		10-136
4-Terphenyl-d14	99		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/14/19 11:15
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 06/14/19 00:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,05 Batch: WG1248431-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	540	180
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Azobenzene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/14/19 11:15
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 06/14/19 00:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,05 Batch: WG1248431-1					
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
n-Nitrosodimethylamine	ND		ug/kg	330	32.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/14/19 11:15
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 06/14/19 00:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,05 Batch: WG1248431-1					
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	100		18-120

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/16/19 15:39
Analyst: RC
TCLP/SPLP Extraction Date: 06/14/19 06:54

Extraction Method: EPA 3510C
Extraction Date: 06/15/19 12:47

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 02,05 Batch: WG1249030-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		21-120
Phenol-d6	70		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	104		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1248431-2 WG1248431-3								
Acenaphthene	102		98		31-137	4		50
Benzidine	**71**	Q	**72**	Q	10-66	1		50
1,2,4-Trichlorobenzene	98		88		38-107	11		50
Hexachlorobenzene	106		101		40-140	5		50
Bis(2-chloroethyl)ether	99		91		40-140	8		50
2-Chloronaphthalene	101		92		40-140	9		50
1,2-Dichlorobenzene	97		86		40-140	12		50
1,3-Dichlorobenzene	94		81		40-140	15		50
1,4-Dichlorobenzene	96		84		28-104	13		50
3,3'-Dichlorobenzidine	82		83		40-140	1		50
2,4-Dinitrotoluene	117		116		40-132	1		50
2,6-Dinitrotoluene	113		109		40-140	4		50
Azobenzene	112		106		40-140	6		50
Fluoranthene	112		108		40-140	4		50
4-Chlorophenyl phenyl ether	102		98		40-140	4		50
4-Bromophenyl phenyl ether	108		101		40-140	7		50
Bis(2-chloroisopropyl)ether	98		88		40-140	11		50
Bis(2-chloroethoxy)methane	103		98		40-117	5		50
Hexachlorobutadiene	100		89		40-140	12		50
Hexachlorocyclopentadiene	106		95		40-140	11		50
Hexachloroethane	99		86		40-140	14		50
Isophorone	106		100		40-140	6		50
Naphthalene	102		91		40-140	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1925605

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1248431-2 WG1248431-3								
Nitrobenzene	108		98		40-140	10		50
NDPA/DPA	106		104		36-157	2		50
n-Nitrosodi-n-propylamine	110		104		32-121	6		50
Bis(2-ethylhexyl)phthalate	114		110		40-140	4		50
Butyl benzyl phthalate	127		121		40-140	5		50
Di-n-butylphthalate	121		118		40-140	3		50
Di-n-octylphthalate	128		122		40-140	5		50
Diethyl phthalate	109		105		40-140	4		50
Dimethyl phthalate	108		102		40-140	6		50
Benzo(a)anthracene	110		106		40-140	4		50
Benzo(a)pyrene	116		112		40-140	4		50
Benzo(b)fluoranthene	120		116		40-140	3		50
Benzo(k)fluoranthene	102		99		40-140	3		50
Chrysene	103		99		40-140	4		50
Acenaphthylene	107		100		40-140	7		50
Anthracene	108		104		40-140	4		50
Benzo(ghi)perylene	109		105		40-140	4		50
Fluorene	109		103		40-140	6		50
Phenanthrene	104		100		40-140	4		50
Dibenzo(a,h)anthracene	114		110		40-140	4		50
Indeno(1,2,3-cd)pyrene	119		108		40-140	10		50
Pyrene	111		106		35-142	5		50
Biphenyl	98		91		54-104	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1248431-2 WG1248431-3								
4-Chloroaniline	94		88		40-140	7		50
2-Nitroaniline	118		112		47-134	5		50
3-Nitroaniline	86		87		26-129	1		50
4-Nitroaniline	110		107		41-125	3		50
Dibenzofuran	106		102		40-140	4		50
2-Methylnaphthalene	103		95		40-140	8		50
1,2,4,5-Tetrachlorobenzene	97		90		40-117	7		50
Acetophenone	103		96		14-144	7		50
n-Nitrosodimethylamine	96		84		22-100	13		50
2,4,6-Trichlorophenol	114		107		30-130	6		50
p-Chloro-m-cresol	**115**	Q	**110**	Q	26-103	4		50
2-Chlorophenol	**110**	Q	100		25-102	10		50
2,4-Dichlorophenol	117		109		30-130	7		50
2,4-Dimethylphenol	114		107		30-130	6		50
2-Nitrophenol	108		101		30-130	7		50
4-Nitrophenol	**126**	Q	**121**	Q	11-114	4		50
2,4-Dinitrophenol	102		102		4-130	0		50
4,6-Dinitro-o-cresol	130		126		10-130	3		50
Pentachlorophenol	**111**	Q	**110**	Q	17-109	1		50
Phenol	**109**	Q	**103**	Q	26-90	6		50
2-Methylphenol	115		107		30-130.	7		50
3-Methylphenol/4-Methylphenol	114		106		30-130	7		50
2,4,5-Trichlorophenol	119		110		30-130	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1248431-2 WG1248431-3								
Benzoic Acid	59		69		10-110	16		50
Benzyl Alcohol	112		105		40-140	6		50
Carbazole	112		107		54-128	5		50
Atrazine	130		126		40-140	3		50
Benzaldehyde	108		95		40-140	13		50
Caprolactam	113		112		15-130	1		50
2,3,4,6-Tetrachlorophenol	110		106		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	106		97		25-120
Phenol-d6	106		100		10-120
Nitrobenzene-d5	111		105		23-120
2-Fluorobiphenyl	105		98		30-120
2,4,6-Tribromophenol	113		113		10-136
4-Terphenyl-d14	110		107		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 02,05 Batch: WG1249030-2 WG1249030-3								
Hexachlorobenzene	78		81		40-140	4		30
2,4-Dinitrotoluene	86		90		40-132	5		30
Hexachlorobutadiene	70		72		28-111	3		30
Hexachloroethane	66		66		21-105	0		30
Nitrobenzene	73		75		40-140	3		30
2,4,6-Trichlorophenol	82		85		30-130	4		30
Pentachlorophenol	79		84		9-103	6		30
2-Methylphenol	71		72		30-130	1		30
3-Methylphenol/4-Methylphenol	77		77		30-130	0		30
2,4,5-Trichlorophenol	83		83		30-130	0		30
Pyridine	32		38		10-66	17		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		63		21-120
Phenol-d6	62		61		10-120
Nitrobenzene-d5	77		77		23-120
2-Fluorobiphenyl	77		77		15-120
2,4,6-Tribromophenol	86		88		10-120
4-Terphenyl-d14	79		83		33-120

PETROLEUM HYDROCARBONS

Project Name: 300 WEST 122ND ST.
Lab Number: L1925605
Project Number: 170500202
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-02
Client ID: RAMP3_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:15
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 06/14/19 09:48
Analyst: SR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/14/19 05:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	34200		ug/kg	33700	3870	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: 300 WEST 122ND ST.
Lab Number: L1925605
Project Number: 170500202
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-02
Client ID: RAMP3_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:15
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 06/14/19 10:11
Analyst: MKS
Percent Solids: 94%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1200	J	ug/kg	2600	51.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	87		70-130
4-Bromofluorobenzene	94		70-130

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-02
Client ID: RAMP3_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:15
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 06/15/19 10:51
Analyst: SC
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/15/19 02:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	42.3		mg/kg	24.5	24.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	102		40-140
o-Terphenyl	100		40-140

Project Name: 300 WEST 122ND ST.
Lab Number: L1925605
Project Number: 170500202
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-03
Client ID: RAMP3_DRO/GRO
Sample Location: NY, NY

Date Collected: 06/13/19 16:15
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 06/14/19 08:43
Analyst: SR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/14/19 05:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	47200		ug/kg	35900	4130	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	96		40-140

Project Name: 300 WEST 122ND ST.
Lab Number: L1925605
Project Number: 170500202
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-03
Client ID: RAMP3_DRO/GRO
Sample Location: NY, NY

Date Collected: 06/13/19 16:15
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 06/14/19 10:51
Analyst: MKS
Percent Solids: 91%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	800	J	ug/kg	2700	51.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100		70-130
4-Bromofluorobenzene	107		70-130

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-03
Client ID: RAMP3_DRO/GRO
Sample Location: NY, NY

Date Collected: 06/13/19 16:15
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 06/15/19 11:22
Analyst: SC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/15/19 02:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	56.3		mg/kg	25.4	25.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	95		40-140
o-Terphenyl	93		40-140

Project Name: 300 WEST 122ND ST.
Lab Number: L1925605
Project Number: 170500202
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-05
Client ID: RAMP4_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:20
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 06/14/19 09:15
Analyst: SR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/14/19 05:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	53100		ug/kg	35200	4050	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	100		40-140

Project Name: 300 WEST 122ND ST.
Lab Number: L1925605
Project Number: 170500202
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-05
Client ID: RAMP4_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:20
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 06/14/19 11:32
Analyst: MKS
Percent Solids: 93%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1000	J	ug/kg	2600	51.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	102		70-130
4-Bromofluorobenzene	110		70-130

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-05
Client ID: RAMP4_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:20
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 06/15/19 11:51
Analyst: SC
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/15/19 02:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	76.2		mg/kg	25.4	25.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	87		40-140
o-Terphenyl	82		40-140

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-06
Client ID: RAMP4_DRO/GRO
Sample Location: NY, NY

Date Collected: 06/13/19 16:20
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 06/14/19 09:48
Analyst: SR
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 06/14/19 05:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	81500		ug/kg	34500	3960	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	95		40-140

Project Name: 300 WEST 122ND ST.
Lab Number: L1925605
Project Number: 170500202
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-06
Client ID: RAMP4_DRO/GRO
Sample Location: NY, NY

Date Collected: 06/13/19 16:20
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 06/14/19 12:13
Analyst: MKS
Percent Solids: 95%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	2500	49.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	109		70-130

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-06
Client ID: RAMP4_DRO/GRO
Sample Location: NY, NY

Date Collected: 06/13/19 16:20
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 06/15/19 12:22
Analyst: SC
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 06/15/19 02:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	104		mg/kg	24.2	24.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	90		40-140
o-Terphenyl	87		40-140

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 06/14/19 08:49
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 02-03,05-06 Batch: WG1247919-18					
Gasoline Range Organics	820	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	79		70-130
4-Bromofluorobenzene	89		70-130

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 06/14/19 09:15
Analyst: SR

Extraction Method: EPA 3546
Extraction Date: 06/14/19 05:12

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02-03,05-06 Batch: WG1248428-1					
TPH	ND		ug/kg	32600	3750

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		40-140

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 06/16/19 03:25
Analyst: SC

Extraction Method: EPA 3546
Extraction Date: 06/14/19 11:58

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 02-03,05-06 Batch: WG1248648-1					
Total EPH	ND		mg/kg	23.9	23.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	97		40-140
o-Terphenyl	95		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 02-03,05-06		Batch: WG1247919-16 WG1247919-17					
Gasoline Range Organics	90		102		80-120	13		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	94		108		70-130
4-Bromofluorobenzene	95		108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1925605

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02-03,05-06 Batch: WG1248428-2								
TPH	90		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	72				40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1925605

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab	Associated sample(s):	02-03,05-06	Batch:	WG1248648-2	WG1248648-3			
Total EPH	115		117		40-140	2		25
Nonane (C9)	92		91		40-140	1		25
Decane (C10)	105		106		40-140	1		25
Dodecane (C12)	100		100		40-140	0		25
Tetradecane (C14)	100		98		40-140	2		25
Hexadecane (C16)	104		104		40-140	0		25
Octadecane (C18)	108		105		40-140	3		25
Eicosane (C20)	106		104		40-140	2		25
Heneicosane (C21)	105		103		40-140	2		25
Docosane (C22)	106		104		40-140	2		25
Tetracosane (C24)	106		103		40-140	3		25
Hexacosane (C26)	105		103		40-140	2		25
Octacosane (C28)	104		101		40-140	3		25
Triacontane (C30)	107		102		40-140	5		25
Dotriacontane (C32)	106		104		40-140	2		25
Tetratriacontane (C34)	105		102		40-140	3		25
Hexatriacontane (C36)	113		102		40-140	10		25
Octatriacontane (C38)	104		103		40-140	1		25
Tetracontane (C40)	100		100		40-140	0		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1925605

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab	Associated sample(s):	02-03,05-06	Batch:	WG1248648-2	WG1248648-3			

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	88		85		40-140
o-Terphenyl	88		85		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02-03,05-06 QC Batch ID: WG1248428-3 QC Sample: L1925605-02 Client ID: RAMP3_COMP01						
TPH	34200	51200	ug/kg	40		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		77		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02-03,05-06 QC Batch ID: WG1248648-5 QC Sample: L1925076-44 Client ID: DUP Sample						
Total EPH	5740	4330	mg/kg	28		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	100		80		40-140
o-Terphenyl	117		91		40-140

PCBS

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-02
Client ID: RAMP3_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:15
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/14/19 22:41
Analyst: KB
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/14/19 03:34
Cleanup Method: EPA 3665A
Cleanup Date: 06/14/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	3.07	1	A
Aroclor 1221	ND		ug/kg	34.6	3.47	1	A
Aroclor 1232	ND		ug/kg	34.6	7.34	1	A
Aroclor 1242	ND		ug/kg	34.6	4.66	1	A
Aroclor 1248	ND		ug/kg	34.6	5.19	1	A
Aroclor 1254	12.2	J	ug/kg	34.6	3.79	1	B
Aroclor 1260	ND		ug/kg	34.6	6.40	1	A
Aroclor 1262	ND		ug/kg	34.6	4.40	1	A
Aroclor 1268	ND		ug/kg	34.6	3.58	1	A
PCBs, Total	12.2	J	ug/kg	34.6	3.07	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-05
Client ID: RAMP4_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:20
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/14/19 22:53
Analyst: KB
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/14/19 03:34
Cleanup Method: EPA 3665A
Cleanup Date: 06/14/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	3.09	1	A
Aroclor 1221	ND		ug/kg	34.8	3.49	1	A
Aroclor 1232	ND		ug/kg	34.8	7.38	1	A
Aroclor 1242	ND		ug/kg	34.8	4.69	1	A
Aroclor 1248	ND		ug/kg	34.8	5.22	1	A
Aroclor 1254	22.5	J	ug/kg	34.8	3.81	1	B
Aroclor 1260	7.29	J	ug/kg	34.8	6.44	1	A
Aroclor 1262	ND		ug/kg	34.8	4.42	1	A
Aroclor 1268	ND		ug/kg	34.8	3.61	1	A
PCBs, Total	29.8	J	ug/kg	34.8	3.09	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/14/19 13:25
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 06/14/19 02:23
Cleanup Method: EPA 3665A
Cleanup Date: 06/14/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,05 Batch: WG1248372-1						
Aroclor 1016	ND		ug/kg	31.9	2.83	A
Aroclor 1221	ND		ug/kg	31.9	3.20	A
Aroclor 1232	ND		ug/kg	31.9	6.76	A
Aroclor 1242	ND		ug/kg	31.9	4.30	A
Aroclor 1248	ND		ug/kg	31.9	4.79	A
Aroclor 1254	ND		ug/kg	31.9	3.49	A
Aroclor 1260	ND		ug/kg	31.9	5.90	A
Aroclor 1262	ND		ug/kg	31.9	4.05	A
Aroclor 1268	ND		ug/kg	31.9	3.30	A
PCBs, Total	ND		ug/kg	31.9	2.83	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	92		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1925605

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,05 Batch: WG1248372-2 WG1248372-3									
Aroclor 1016	90		94		40-140	4		50	A
Aroclor 1260	87		90		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		95		30-150	A
Decachlorobiphenyl	91		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		94		30-150	B
Decachlorobiphenyl	96		98		30-150	B

PESTICIDES

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-02
Client ID: RAMP3_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:15
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/16/19 16:36
Analyst: AMC
Percent Solids: 94%
TCLP/SPLP Ext. Date: 06/14/19 06:54

Extraction Method: EPA 3510C
Extraction Date: 06/15/19 12:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-02
Client ID: RAMP3_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:15
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/14/19 13:24
Analyst: KEG
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/14/19 03:36
Cleanup Method: EPA 3620B
Cleanup Date: 06/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.324	1	A
Lindane	ND		ug/kg	0.689	0.308	1	A
Alpha-BHC	ND		ug/kg	0.689	0.196	1	A
Beta-BHC	ND		ug/kg	1.65	0.627	1	A
Heptachlor	ND	IP	ug/kg	0.826	0.370	1	B
Aldrin	ND		ug/kg	1.65	0.582	1	A
Heptachlor epoxide	ND	IP	ug/kg	3.10	0.930	1	A
Endrin	ND		ug/kg	0.689	0.282	1	A
Endrin aldehyde	ND		ug/kg	2.07	0.723	1	A
Endrin ketone	ND		ug/kg	1.65	0.426	1	A
Dieldrin	0.564	J	ug/kg	1.03	0.516	1	A
4,4'-DDE	ND	IP	ug/kg	1.65	0.382	1	B
4,4'-DDD	ND		ug/kg	1.65	0.590	1	A
4,4'-DDT	2.60	J	ug/kg	3.10	1.33	1	A
Endosulfan I	ND		ug/kg	1.65	0.390	1	A
Endosulfan II	ND	IP	ug/kg	1.65	0.552	1	A
Endosulfan sulfate	ND		ug/kg	0.689	0.328	1	A
Methoxychlor	ND		ug/kg	3.10	0.964	1	A
Toxaphene	ND		ug/kg	31.0	8.68	1	A
cis-Chlordane	ND	IP	ug/kg	2.07	0.576	1	B
trans-Chlordane	ND		ug/kg	2.07	0.545	1	A
Chlordane	ND		ug/kg	13.4	5.47	1	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-02 Date Collected: 06/13/19 16:15

Client ID: RAMP3_COMP01 Date Received: 06/13/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	89		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	97		30-150	A

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-05
Client ID: RAMP4_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:20
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/16/19 16:48
Analyst: AMC
Percent Solids: 93%
TCLP/SPLP Ext. Date: 06/14/19 06:54

Extraction Method: EPA 3510C
Extraction Date: 06/15/19 12:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-05
Client ID: RAMP4_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:20
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/14/19 13:37
Analyst: KEG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/14/19 03:36
Cleanup Method: EPA 3620B
Cleanup Date: 06/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.334	1	A
Lindane	ND		ug/kg	0.711	0.318	1	A
Alpha-BHC	ND		ug/kg	0.711	0.202	1	A
Beta-BHC	ND		ug/kg	1.71	0.647	1	A
Heptachlor	ND		ug/kg	0.853	0.383	1	A
Aldrin	ND		ug/kg	1.71	0.601	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.960	1	A
Endrin	ND		ug/kg	0.711	0.292	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.747	1	A
Endrin ketone	ND		ug/kg	1.71	0.440	1	A
Dieldrin	ND		ug/kg	1.07	0.533	1	A
4,4'-DDE	ND	IP	ug/kg	1.71	0.395	1	B
4,4'-DDD	ND		ug/kg	1.71	0.609	1	A
4,4'-DDT	3.50		ug/kg	3.20	1.37	1	B
Endosulfan I	ND		ug/kg	1.71	0.403	1	A
Endosulfan II	ND	IP	ug/kg	1.71	0.570	1	A
Endosulfan sulfate	ND		ug/kg	0.711	0.338	1	A
Methoxychlor	ND		ug/kg	3.20	0.996	1	A
Toxaphene	ND		ug/kg	32.0	8.96	1	A
cis-Chlordane	0.963	JIP	ug/kg	2.13	0.594	1	B
trans-Chlordane	ND		ug/kg	2.13	0.563	1	A
Chlordane	ND		ug/kg	13.9	5.65	1	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-05 Date Collected: 06/13/19 16:20

Client ID: RAMP4_COMP01 Date Received: 06/13/19

Sample Location: NY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	95		30-150	A

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/14/19 11:40
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 06/13/19 21:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,05 Batch: WG1248297-1						
Delta-BHC	ND		ug/kg	1.52	0.297	A
Lindane	ND		ug/kg	0.631	0.282	A
Alpha-BHC	ND		ug/kg	0.631	0.179	A
Beta-BHC	ND		ug/kg	1.52	0.574	A
Heptachlor	ND		ug/kg	0.758	0.340	A
Aldrin	ND		ug/kg	1.52	0.533	A
Heptachlor epoxide	ND		ug/kg	2.84	0.852	A
Endrin	ND		ug/kg	0.631	0.259	A
Endrin aldehyde	ND		ug/kg	1.89	0.663	A
Endrin ketone	ND		ug/kg	1.52	0.390	A
Dieldrin	ND		ug/kg	0.947	0.473	A
4,4'-DDE	ND		ug/kg	1.52	0.350	A
4,4'-DDD	ND		ug/kg	1.52	0.540	A
4,4'-DDT	ND		ug/kg	2.84	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.358	A
Endosulfan II	ND		ug/kg	1.52	0.506	A
Endosulfan sulfate	ND		ug/kg	0.631	0.300	A
Methoxychlor	ND		ug/kg	2.84	0.884	A
Toxaphene	ND		ug/kg	28.4	7.95	A
cis-Chlordane	ND		ug/kg	1.89	0.528	A
trans-Chlordane	ND		ug/kg	1.89	0.500	A
Chlordane	ND		ug/kg	12.3	5.02	A

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/14/19 11:40
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 06/13/19 21:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,05 Batch: WG1248297-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	95		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	111		30-150	A

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/16/19 17:01
Analyst: AMC
TCLP/SPLP Extraction Date: 06/14/19 06:54

Extraction Method: EPA 3510C
Extraction Date: 06/15/19 12:33

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 02,05 Batch: WG1249023-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	106		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1925605

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,05 Batch: WG1248297-2 WG1248297-3									
Delta-BHC	80		88		30-150	10		30	A
Lindane	83		90		30-150	8		30	A
Alpha-BHC	88		95		30-150	8		30	A
Beta-BHC	76		81		30-150	6		30	A
Heptachlor	90		97		30-150	7		30	A
Aldrin	84		91		30-150	8		30	A
Heptachlor epoxide	85		92		30-150	8		30	A
Endrin	86		94		30-150	9		30	A
Endrin aldehyde	60		67		30-150	11		30	A
Endrin ketone	70		78		30-150	11		30	A
Dieldrin	87		96		30-150	10		30	A
4,4'-DDE	82		90		30-150	9		30	A
4,4'-DDD	83		92		30-150	10		30	A
4,4'-DDT	87		97		30-150	11		30	A
Endosulfan I	78		85		30-150	9		30	A
Endosulfan II	78		86		30-150	10		30	A
Endosulfan sulfate	61		67		30-150	9		30	A
Methoxychlor	96		106		30-150	10		30	A
cis-Chlordane	74		80		30-150	8		30	A
trans-Chlordane	64		70		30-150	9		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1925605

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,05 Batch: WG1248297-2 WG1248297-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		83		30-150	B
Decachlorobiphenyl	88		99		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		83		30-150	A
Decachlorobiphenyl	90		109		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 02,05 Batch: WG1249023-2 WG1249023-3									
Lindane	82		72		30-150	14		20	A
Heptachlor	77		68		30-150	13		20	A
Heptachlor epoxide	80		70		30-150	13		20	A
Endrin	80		71		30-150	12		20	A
Methoxychlor	68		61		30-150	11		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		75		30-150	A
Decachlorobiphenyl	77		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		83		30-150	B
Decachlorobiphenyl	107		99		30-150	B

METALS

Project Name: 300 WEST 122ND ST.
Lab Number: L1925605
Project Number: 170500202
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-02
Client ID: RAMP3_COMP01
Sample Location: NY, NY
Date Collected: 06/13/19 16:15
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%
TCLP/SPLP Ext. Date: 06/14/19 06:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	06/17/19 10:40	06/17/19 12:16	EPA 3015	1,6010D	LC
Barium, TCLP	0.536		mg/l	0.500	0.021	1	06/17/19 10:40	06/17/19 12:16	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/17/19 10:40	06/17/19 12:16	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/17/19 10:40	06/17/19 12:16	EPA 3015	1,6010D	LC
Lead, TCLP	0.115	J	mg/l	0.500	0.027	1	06/17/19 10:40	06/17/19 12:16	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/15/19 12:00	06/17/19 14:10	EPA 7470A	1,7470A	BV
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/17/19 10:40	06/17/19 12:16	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/17/19 10:40	06/17/19 12:16	EPA 3015	1,6010D	LC

Project Name: 300 WEST 122ND ST.
Lab Number: L1925605
Project Number: 170500202
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-02
Client ID: RAMP3_COMP01
Sample Location: NY, NY
Date Collected: 06/13/19 16:15
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3020		mg/kg	8.27	2.23	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Antimony, Total	0.422	J	mg/kg	4.14	0.314	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Arsenic, Total	1.33		mg/kg	0.827	0.172	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Barium, Total	37.5		mg/kg	0.827	0.144	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Beryllium, Total	0.198	J	mg/kg	0.414	0.027	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Cadmium, Total	0.207	J	mg/kg	0.827	0.081	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Calcium, Total	5500		mg/kg	8.27	2.90	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Chromium, Total	7.44		mg/kg	0.827	0.079	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Cobalt, Total	3.51		mg/kg	1.65	0.137	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Copper, Total	14.6		mg/kg	0.827	0.213	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Iron, Total	6280		mg/kg	4.14	0.747	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Lead, Total	41.5		mg/kg	4.14	0.222	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Magnesium, Total	1670		mg/kg	8.27	1.27	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Manganese, Total	150		mg/kg	0.827	0.132	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.081	0.053	1	06/14/19 10:56	06/14/19 12:29	EPA 7471B	1,7471B	MG
Nickel, Total	9.47		mg/kg	2.07	0.200	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Potassium, Total	548		mg/kg	207	11.9	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.65	0.213	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.827	0.234	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Sodium, Total	112	J	mg/kg	165	2.60	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.65	0.260	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Vanadium, Total	10.3		mg/kg	0.827	0.168	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC
Zinc, Total	30.0		mg/kg	4.14	0.242	2	06/14/19 23:00	06/17/19 10:58	EPA 3050B	1,6010D	LC

Project Name: 300 WEST 122ND ST.
Lab Number: L1925605
Project Number: 170500202
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-05
Client ID: RAMP4_COMP01
Sample Location: NY, NY
Date Collected: 06/13/19 16:20
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%
TCLP/SPLP Ext. Date: 06/14/19 06:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	06/17/19 10:40	06/17/19 12:33	EPA 3015	1,6010D	LC
Barium, TCLP	0.170	J	mg/l	0.500	0.021	1	06/17/19 10:40	06/17/19 12:33	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/17/19 10:40	06/17/19 12:33	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/17/19 10:40	06/17/19 12:33	EPA 3015	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	06/17/19 10:40	06/17/19 12:33	EPA 3015	1,6010D	LC
Mercury, TCLP	0.0249		mg/l	0.0010	0.0005	1	06/15/19 12:00	06/17/19 14:16	EPA 7470A	1,7470A	BV
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/17/19 10:40	06/17/19 12:33	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/17/19 10:40	06/17/19 12:33	EPA 3015	1,6010D	LC

Project Name: 300 WEST 122ND ST.
Project Number: 170500202
Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-05
Client ID: RAMP4_COMP01
Sample Location: NY, NY
Date Collected: 06/13/19 16:20
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3460		mg/kg	8.37	2.26	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Antimony, Total	0.402	J	mg/kg	4.19	0.318	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Arsenic, Total	1.40		mg/kg	0.837	0.174	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Barium, Total	40.9		mg/kg	0.837	0.146	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Beryllium, Total	0.234	J	mg/kg	0.419	0.028	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Cadmium, Total	0.260	J	mg/kg	0.837	0.082	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Calcium, Total	7560		mg/kg	8.37	2.93	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Chromium, Total	9.17		mg/kg	0.837	0.080	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Cobalt, Total	4.01		mg/kg	1.67	0.139	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Copper, Total	17.5		mg/kg	0.837	0.216	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Iron, Total	7450		mg/kg	4.19	0.756	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Lead, Total	60.9		mg/kg	4.19	0.224	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Magnesium, Total	2110		mg/kg	8.37	1.29	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Manganese, Total	168		mg/kg	0.837	0.133	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Mercury, Total	0.062	J	mg/kg	0.080	0.052	1	06/14/19 10:56	06/14/19 12:31	EPA 7471B	1,7471B	MG
Nickel, Total	9.86		mg/kg	2.09	0.203	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Potassium, Total	623		mg/kg	209	12.0	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Selenium, Total	0.276	J	mg/kg	1.67	0.216	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.837	0.237	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Sodium, Total	113	J	mg/kg	167	2.64	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.67	0.264	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Vanadium, Total	19.7		mg/kg	0.837	0.170	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC
Zinc, Total	40.4		mg/kg	4.19	0.245	2	06/14/19 23:00	06/17/19 11:03	EPA 3050B	1,6010D	LC

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,05 Batch: WG1248529-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	06/14/19 10:56	06/14/19 11:59	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,05 Batch: WG1248759-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Iron, Total	ND		mg/kg	2.00	0.361	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Manganese, Total	ND		mg/kg	0.400	0.064	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Sodium, Total	ND		mg/kg	80.0	1.26	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	06/14/19 23:00	06/17/19 09:47	1,6010D	LC

Project Name: 300 WEST 122ND ST. **Lab Number:** L1925605

Project Number: 170500202 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02,05 Batch: WG1248988-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	06/15/19 12:00	06/17/19 13:58	1,7470A	BV

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 06/14/19 06:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02,05 Batch: WG1249056-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	06/17/19 10:40	06/17/19 12:08	1,6010D	LC
Barium, TCLP	ND		mg/l	0.500	0.021	1	06/17/19 10:40	06/17/19 12:08	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	06/17/19 10:40	06/17/19 12:08	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	06/17/19 10:40	06/17/19 12:08	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	06/17/19 10:40	06/17/19 12:08	1,6010D	LC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	06/17/19 10:40	06/17/19 12:08	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	06/17/19 10:40	06/17/19 12:08	1,6010D	LC

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 06/14/19 06:54

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1925605

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,05 Batch: WG1248529-2 SRM Lot Number: D105-540								
Mercury, Total	100		-		60-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1925605

Report Date: 06/17/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,05 Batch: WG1248759-2 SRM Lot Number: D105-540					
Aluminum, Total	52	-	51-149	-	
Antimony, Total	139	-	19-249	-	
Arsenic, Total	97	-	70-130	-	
Barium, Total	88	-	75-125	-	
Beryllium, Total	94	-	75-125	-	
Cadmium, Total	102	-	75-125	-	
Calcium, Total	83	-	73-127	-	
Chromium, Total	84	-	70-130	-	
Cobalt, Total	93	-	75-125	-	
Copper, Total	92	-	75-125	-	
Iron, Total	67	-	38-162	-	
Lead, Total	88	-	71-128	-	
Magnesium, Total	70	-	63-137	-	
Manganese, Total	84	-	76-124	-	
Nickel, Total	96	-	70-131	-	
Potassium, Total	70	-	60-140	-	
Selenium, Total	95	-	63-137	-	
Silver, Total	89	-	69-131	-	
Sodium, Total	92	-	37-162	-	
Thallium, Total	94	-	68-132	-	
Vanadium, Total	84	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1925605

Report Date: 06/17/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,05 Batch: WG1248759-2 SRM Lot Number: D105-540					
Zinc, Total	89	-	70-130	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,05 Batch: WG1248988-2					
Mercury, TCLP	106	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,05 Batch: WG1249056-2					
Arsenic, TCLP	106	-	75-125	-	20
Barium, TCLP	98	-	75-125	-	20
Cadmium, TCLP	104	-	75-125	-	20
Chromium, TCLP	98	-	75-125	-	20
Lead, TCLP	97	-	75-125	-	20
Selenium, TCLP	103	-	75-125	-	20
Silver, TCLP	99	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG1248529-4 QC Sample: L1925545-01 Client ID: MS Sample												
Mercury, Total	ND	0.176	0.210	119		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG1248759-3 WG1248759-4 QC Sample: L1924658-02 Client ID: MS Sample											
Aluminum, Total	3020	175	3710	**395**	Q	4000	**592**	Q	75-125	8	20
Antimony, Total	0.389J	43.7	39.4	90		37.4	90		75-125	5	20
Arsenic, Total	0.973	10.5	11.8	103		11.3	104		75-125	4	20
Barium, Total	29.9	175	200	97		194	99		75-125	3	20
Beryllium, Total	0.102J	4.37	4.44	102		4.31	104		75-125	3	20
Cadmium, Total	0.161J	4.46	4.48	100		4.30	102		75-125	4	20
Calcium, Total	5280	874	5770	**56**	Q	5690	**50**	Q	75-125	1	20
Chromium, Total	9.42	17.5	25.1	90		24.5	91		75-125	2	20
Cobalt, Total	3.89	43.7	43.9	92		42.5	93		75-125	3	20
Copper, Total	14.6	21.8	35.3	95		36.0	103		75-125	2	20
Iron, Total	6680	87.4	6920	**275**	Q	7080	**483**	Q	75-125	2	20
Lead, Total	1.67J	44.6	43.9	98		41.4	98		75-125	6	20
Magnesium, Total	3290	874	3660	**42**	Q	4020	88		75-125	9	20
Manganese, Total	218	43.7	245	**62**	Q	243	**60**	Q	75-125	1	20
Nickel, Total	11.0	43.7	51.6	93		51.7	98		75-125	0	20
Potassium, Total	302	874	1240	107		1200	108		75-125	3	20
Selenium, Total	ND	10.5	10.7	102		10.1	102		75-125	6	20
Silver, Total	ND	26.2	25.9	99		24.9	100		75-125	4	20
Sodium, Total	205	874	1170	110		1160	115		75-125	1	20
Thallium, Total	ND	10.5	9.22	88		8.71	88		75-125	6	20
Vanadium, Total	12.4	43.7	57.4	103		55.2	103		75-125	4	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG1248759-3 WG1248759-4 QC Sample: L1924658-02 Client ID: MS Sample									
Zinc, Total	10.0	43.7	51.8	96	49.8	96	75-125	4	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG1248988-3 QC Sample: L1925605-02 Client ID: RAMP3_COMP01									
Mercury, TCLP	ND	0.025	0.0238	95	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG1249056-3 QC Sample: L1925605-02 Client ID: RAMP3_COMP01									
Arsenic, TCLP	ND	1.2	1.27	106	-	-	75-125	-	20
Barium, TCLP	0.536	20	20.2	98	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.523	102	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.95	98	-	-	75-125	-	20
Lead, TCLP	0.115J	5.1	5.03	99	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.28	107	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.498	100	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG1248529-3 QC Sample: L1925545-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG1248988-4 QC Sample: L1925605-02 Client ID: RAMP3_COMP01						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG1249056-4 QC Sample: L1925605-02 Client ID: RAMP3_COMP01						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.536	0.535	mg/l	0		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.115J	0.115J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-01
Client ID: RAMP3_GRAB01
Sample Location: NY, NY

Date Collected: 06/13/19 16:10
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.5		%	0.100	NA	1	-	06/14/19 04:58	121,2540G	YA

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-02
Client ID: RAMP3_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:15
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	06/14/19 04:58	121,2540G	YA
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/14/19 10:18	1,9095B	SD

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-03
Client ID: RAMP3_DRO/GRO
Sample Location: NY, NY

Date Collected: 06/13/19 16:15
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	06/14/19 04:58	121,2540G	YA

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-04
Client ID: RAMP4_GRAB01
Sample Location: NY, NY

Date Collected: 06/13/19 16:18
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	06/14/19 04:58	121,2540G	YA

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-05
Client ID: RAMP4_COMP01
Sample Location: NY, NY

Date Collected: 06/13/19 16:20
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.5		%	0.100	NA	1	-	06/14/19 04:58	121,2540G	YA
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	06/14/19 10:18	1,9095B	SD

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1925605-06
Client ID: RAMP4_DRO/GRO
Sample Location: NY, NY

Date Collected: 06/13/19 16:20
Date Received: 06/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.2		%	0.100	NA	1	-	06/14/19 04:58	121,2540G	YA

Lab Duplicate Analysis

Batch Quality Control

Project Name: 300 WEST 122ND ST.

Project Number: 170500202

Lab Number: L1925605

Report Date: 06/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1248370-1 QC Sample: L1925546-01 Client ID: DUP Sample						
Solids, Total	91.4	93.2	%	2		20

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1925605-01A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L1925605-01B	Vial water preserved	A	NA		3.1	Y	Absent	14-JUN-19 01:24	NYTCL-8260HLW(14)
L1925605-01C	Vial water preserved	A	NA		3.1	Y	Absent	14-JUN-19 01:24	NYTCL-8260HLW(14)
L1925605-01D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1925605-01E	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		TCLP-EXT-ZHE(14)
L1925605-01S	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L1925605-01T	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L1925605-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),TPH-GRO(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1925605-02B	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),TCLP-8270(14),NJEPH-TPH-CAT1(14),TS(7),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),TPH-DRO-D(14)
L1925605-02C	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		TPH-GRO(14)
L1925605-02V	Amber 1000ml unpreserved Extracts	A	NA		3.1	Y	Absent		PEST-TCLP*(14)
L1925605-02W	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1925605-02X9	Tumble Vessel	A	NA		3.1	Y	Absent		-
L1925605-02Y9	Vial MeOH preserved split	A	NA		3.1	Y	Absent		TPH-GRO(14)
L1925605-03A	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		TPH-GRO(14),NJEPH-TPH-CAT1(14),TS(7),TPH-DRO-D(14)
L1925605-03Y9	Vial MeOH preserved split	A	NA		3.1	Y	Absent		TPH-GRO(14)
L1925605-04A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 300 WEST 122ND ST.
Project Number: 170500202

Lab Number: L1925605
Report Date: 06/17/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1925605-04B	Vial water preserved	A	NA		3.1	Y	Absent	14-JUN-19 01:24	NYTCL-8260HLW(14)
L1925605-04C	Vial water preserved	A	NA		3.1	Y	Absent	14-JUN-19 01:24	NYTCL-8260HLW(14)
L1925605-04D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1925605-04E	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		TCLP-EXT-ZHE(14)
L1925605-04S	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L1925605-04T	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L1925605-05A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1925605-05B	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),TCLP-8270(14),NJEPH-TPH-CAT1(14),TS(7),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),TPH-DRO-D(14)
L1925605-05C	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		TPH-GRO(14)
L1925605-05V	Amber 1000ml unpreserved Extracts	A	NA		3.1	Y	Absent		PEST-TCLP*(14)
L1925605-05W	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1925605-05X9	Tumble Vessel	A	NA		3.1	Y	Absent		-
L1925605-05Y9	Vial MeOH preserved split	A	NA		3.1	Y	Absent		TPH-GRO(14)
L1925605-06A	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TPH-GRO(14),NJEPH-TPH-CAT1(14),TS(7),TPH-DRO-D(14)
L1925605-06Y9	Vial MeOH preserved split	A	NA		3.1	Y	Absent		TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1925605
Project Number:	170500202	**Report Date:**	06/17/19

GLOSSARY

Acronyms

DL - 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 limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

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).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

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.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

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.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

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.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1925605
Project Number:	170500202	**Report Date:**	06/17/19

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

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.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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.

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.

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.

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).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	300 WEST 122ND ST.	**Lab Number:**	L1925605
Project Number:	170500202	**Report Date:**	06/17/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
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.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, 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; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/14/19

ALPHA Job #: L1925605

Client Information
Client: LANGAN, DPC
Address:
Phone:
Fax:
Email: GWYKA@LANGAN.COM

Project Information
Project Name: 300 West 122nd St
Project Location: NY, NY
Project #: 170500202
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #: Greg Wyka

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 24 hrs.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other TCL TCLP
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCLP VOCs	EPH DRO/GRO	TCL SVOCs, PCBs, Pesticides	TCLP SVOCs, metals, pesticides	TAL Metals	Paint filter	Total Bottle	Sample Specific Comments
25605-01	RAMP3_GRAB01	6/13/19	1610	SOIL	AS	X	X							
-02	RAMP3_COMP01		1615					X	X	X	X	X		
-03	RAMP3_DRO/GRO		1615					X						
-04	RAMP4_GRAB01		1618			X	X							
-05	RAMP4_COMP01		1620					X	X	X	X	X		
-06	RAMP4_DRO/GRO	↓	1620	↓	↓			X						

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Stoppenbach	6/13/19 1645	M M (AAL)	6-17-19 1645
M M AAL	6-17-19 (09)	C QFL	6/13 20:02
C QFL	6/14 00:05		6/14/19 00:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1932145
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	300 WEST 122ND STREET
Project Number:	170500202
Report Date:	07/23/19

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), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1932145-01	WC02,4_COMP01	SOIL	NY, NY 10027	07/19/19 14:45	07/19/19
L1932145-02	WC02,4_COMP02	SOIL	NY, NY 10027	07/19/19 14:50	07/19/19
L1932145-03	RAMP06_COMP01	SOIL	NY, NY 10027	07/19/19 14:55	07/19/19
L1932145-04	WC02,4_EPH1	SOIL	NY, NY 10027	07/19/19 14:46	07/19/19
L1932145-05	WC02,4_EPH2	SOIL	NY, NY 10027	07/19/19 14:47	07/19/19
L1932145-06	WC02,4_EPH3	SOIL	NY, NY 10027	07/19/19 14:51	07/19/19
L1932145-07	WC02,4_EPH4	SOIL	NY, NY 10027	07/19/19 14:52	07/19/19
L1932145-08	RAMP6_EPH1	SOIL	NY, NY 10027	07/19/19 14:56	07/19/19
L1932145-09	RAMP6_EPH2	SOIL	NY, NY 10027	07/19/19 14:57	07/19/19

Project Name:	300 WEST 122ND STREET	**Lab Number:**	L1932145
Project Number:	170500202	**Report Date:**	07/23/19

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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

Project Name:	300 WEST 122ND STREET	**Lab Number:**	L1932145
Project Number:	170500202	**Report Date:**	07/23/19

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

L1932145-01, -02, and -03: The sample was received in an inappropriate container for the TCLP Extraction VOC - EPA 1311 analysis.

Volatile Organics

L1932145-01 through -03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L1932145-01: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (137%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Semivolatile Organics

The WG1262491-2 LCS recovery, associated with L1932145-01 through -03, are below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

NJ EPH (Total)

The WG1262840-4 MS recovery, performed on L1932145-04, is outside the acceptance criteria for total EPH (176%). The unacceptable percent recovery is attributed to the elevated concentrations of target compounds present in the native sample.

The surrogate recoveries for the WG1262840-5 laboratory duplicate, performed on L1932145-04, are outside the acceptance criteria for chloro-octadecane (32%) and o-terphenyl (31%). The native sample has acceptable surrogate recoveries, and the duplicate RPDs are within method criteria; therefore, no further action

Project Name:	300 WEST 122ND STREET	**Lab Number:**	L1932145
Project Number:	170500202	**Report Date:**	07/23/19

Case Narrative (continued)

was taken.

Total Metals

L1932145-01 through -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1263221-1 Method Blank, associated with L1932145-01 through -03, has a concentration above the reporting limit for manganese. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

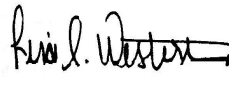
The WG1263221-1 Method Blank, associated with L1932145-01 through -03, has a concentration above the reporting limit for manganese. The results of the original analyses are reported and are qualified with a "B" for any associated sample concentrations detected for this analyte.

The WG1263221-3 MS recoveries for aluminum (336%), iron (1600%), performed on L1932145-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1263221-3 MS recovery, performed on L1932145-01, is outside the acceptance criteria for zinc (254%). A post digestion spike was performed and was within acceptance criteria.

The WG1263221-4 Laboratory Duplicate RPDs for calcium (64%), lead (28%) and manganese (39%), performed on L1932145-01, are outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

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: 07/23/19

ORGANICS

VOLATILES

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-01
Client ID: WC02,4_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:45
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/23/19 08:32
Analyst: MM
Percent Solids: 94%
TCLP/SPLP Ext. Date: 07/22/19 15:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
dibromofluoromethane	103		70-130

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-01 D
Client ID: WC02,4_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:45
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/21/19 20:23
Analyst: MV
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	1400	650	5
1,1-Dichloroethane	ND		ug/kg	280	41.	5
Chloroform	ND		ug/kg	430	40.	5
Carbon tetrachloride	ND		ug/kg	280	65.	5
1,2-Dichloropropane	ND		ug/kg	280	36.	5
Dibromochloromethane	ND		ug/kg	280	40.	5
1,1,2-Trichloroethane	ND		ug/kg	280	76.	5
Tetrachloroethene	ND		ug/kg	140	56.	5
Chlorobenzene	ND		ug/kg	140	36.	5
Trichlorofluoromethane	ND		ug/kg	1100	200	5
1,2-Dichloroethane	ND		ug/kg	280	73.	5
1,1,1-Trichloroethane	ND		ug/kg	140	48.	5
Bromodichloromethane	ND		ug/kg	140	31.	5
trans-1,3-Dichloropropene	ND		ug/kg	280	78.	5
cis-1,3-Dichloropropene	ND		ug/kg	140	45.	5
1,3-Dichloropropene, Total	ND		ug/kg	140	45.	5
1,1-Dichloropropene	ND		ug/kg	140	45.	5
Bromoform	ND		ug/kg	1100	70.	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	140	47.	5
Benzene	ND		ug/kg	140	47.	5
Toluene	ND		ug/kg	280	150	5
Ethylbenzene	ND		ug/kg	280	40.	5
Chloromethane	ND		ug/kg	1100	260	5
Bromomethane	ND		ug/kg	570	160	5
Vinyl chloride	ND		ug/kg	280	95.	5
Chloroethane	ND		ug/kg	570	130	5
1,1-Dichloroethene	ND		ug/kg	280	68.	5
trans-1,2-Dichloroethene	ND		ug/kg	430	39.	5

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-01 D Date Collected: 07/19/19 14:45
Client ID: WC02,4_COMP01 Date Received: 07/19/19
Sample Location: NY, NY 10027 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	140	39.	5
1,2-Dichlorobenzene	ND		ug/kg	570	41.	5
1,3-Dichlorobenzene	ND		ug/kg	570	42.	5
1,4-Dichlorobenzene	ND		ug/kg	570	49.	5
Methyl tert butyl ether	ND		ug/kg	570	57.	5
p/m-Xylene	ND		ug/kg	570	160	5
o-Xylene	ND		ug/kg	280	83.	5
Xylenes, Total	ND		ug/kg	280	83.	5
cis-1,2-Dichloroethene	ND		ug/kg	280	50.	5
Dibromomethane	ND		ug/kg	570	68.	5
Styrene	ND		ug/kg	280	56.	5
Dichlorodifluoromethane	ND		ug/kg	2800	260	5
Acetone	ND		ug/kg	2800	1400	5
Carbon disulfide	ND		ug/kg	2800	1300	5
2-Butanone	ND		ug/kg	2800	630	5
Vinyl acetate	ND		ug/kg	2800	610	5
4-Methyl-2-pentanone	ND		ug/kg	2800	360	5
1,2,3-Trichloropropane	ND		ug/kg	570	36.	5
2-Hexanone	ND		ug/kg	2800	340	5
Bromochloromethane	ND		ug/kg	570	58.	5
2,2-Dichloropropane	ND		ug/kg	570	58.	5
1,2-Dibromoethane	ND		ug/kg	280	79.	5
1,3-Dichloropropane	ND		ug/kg	570	48.	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	140	38.	5
Bromobenzene	ND		ug/kg	570	41.	5
n-Butylbenzene	ND		ug/kg	280	48.	5
sec-Butylbenzene	190	J	ug/kg	280	42.	5
tert-Butylbenzene	110	J	ug/kg	570	34.	5
o-Chlorotoluene	ND		ug/kg	570	54.	5
p-Chlorotoluene	ND		ug/kg	570	31.	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	850	280	5
Hexachlorobutadiene	ND		ug/kg	1100	48.	5
Isopropylbenzene	ND		ug/kg	280	31.	5
p-Isopropyltoluene	ND		ug/kg	280	31.	5
Naphthalene	330	J	ug/kg	1100	180	5
Acrylonitrile	ND		ug/kg	1100	330	5
Tert-Butyl Alcohol	ND		ug/kg	5700	1500	5

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-01 D Date Collected: 07/19/19 14:45
Client ID: WC02,4_COMP01 Date Received: 07/19/19
Sample Location: NY, NY 10027 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	280	49.	5
1,2,3-Trichlorobenzene	ND		ug/kg	570	92.	5
1,2,4-Trichlorobenzene	ND		ug/kg	570	77.	5
1,3,5-Trimethylbenzene	ND		ug/kg	570	55.	5
1,2,4-Trimethylbenzene	ND		ug/kg	570	95.	5
Methyl Acetate	ND		ug/kg	1100	270	5
Acrolein	ND		ug/kg	7100	1600	5
Cyclohexane	ND		ug/kg	2800	150	5
1,4-Dioxane	ND		ug/kg	23000	10000	5
Freon-113	ND		ug/kg	1100	200	5
p-Diethylbenzene	860		ug/kg	570	50.	5
p-Ethyltoluene	ND		ug/kg	570	110	5
1,2,4,5-Tetramethylbenzene	1000		ug/kg	570	54.	5
Ethyl ether	ND		ug/kg	570	97.	5
trans-1,4-Dichloro-2-butene	ND		ug/kg	1400	400	5
Methyl cyclohexane	ND		ug/kg	1100	170	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	**137**	Q	70-130
Dibromofluoromethane	94		70-130

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-02
Client ID: WC02,4_COMP02
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:50
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/23/19 09:02
Analyst: MM
Percent Solids: 96%
TCLP/SPLP Ext. Date: 07/22/19 15:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
dibromofluoromethane	106		70-130

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-02 D
Client ID: WC02,4_COMP02
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:50
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/21/19 20:49
Analyst: MV
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	3100	1400	10
1,1-Dichloroethane	ND		ug/kg	620	90.	10
Chloroform	ND		ug/kg	940	87.	10
Carbon tetrachloride	ND		ug/kg	620	140	10
1,2-Dichloropropane	ND		ug/kg	620	78.	10
Dibromochloromethane	ND		ug/kg	620	87.	10
1,1,2-Trichloroethane	ND		ug/kg	620	170	10
Tetrachloroethene	ND		ug/kg	310	120	10
Chlorobenzene	ND		ug/kg	310	79.	10
Trichlorofluoromethane	ND		ug/kg	2500	430	10
1,2-Dichloroethane	ND		ug/kg	620	160	10
1,1,1-Trichloroethane	ND		ug/kg	310	100	10
Bromodichloromethane	ND		ug/kg	310	68.	10
trans-1,3-Dichloropropene	ND		ug/kg	620	170	10
cis-1,3-Dichloropropene	ND		ug/kg	310	99.	10
1,3-Dichloropropene, Total	ND		ug/kg	310	99.	10
1,1-Dichloropropene	ND		ug/kg	310	99.	10
Bromoform	ND		ug/kg	2500	150	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	310	100	10
Benzene	ND		ug/kg	310	100	10
Toluene	ND		ug/kg	620	340	10
Ethylbenzene	ND		ug/kg	620	88.	10
Chloromethane	ND		ug/kg	2500	580	10
Bromomethane	ND		ug/kg	1200	360	10
Vinyl chloride	ND		ug/kg	620	210	10
Chloroethane	ND		ug/kg	1200	280	10
1,1-Dichloroethene	ND		ug/kg	620	150	10
trans-1,2-Dichloroethene	ND		ug/kg	940	86.	10

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-02 D Date Collected: 07/19/19 14:50
Client ID: WC02,4_COMP02 Date Received: 07/19/19
Sample Location: NY, NY 10027 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	310	86.	10
1,2-Dichlorobenzene	ND		ug/kg	1200	90.	10
1,3-Dichlorobenzene	ND		ug/kg	1200	92.	10
1,4-Dichlorobenzene	ND		ug/kg	1200	110	10
Methyl tert butyl ether	ND		ug/kg	1200	120	10
p/m-Xylene	ND		ug/kg	1200	350	10
o-Xylene	ND		ug/kg	620	180	10
Xylenes, Total	ND		ug/kg	620	180	10
cis-1,2-Dichloroethene	ND		ug/kg	620	110	10
Dibromomethane	ND		ug/kg	1200	150	10
Styrene	ND		ug/kg	620	120	10
Dichlorodifluoromethane	ND		ug/kg	6200	570	10
Acetone	ND		ug/kg	6200	3000	10
Carbon disulfide	ND		ug/kg	6200	2800	10
2-Butanone	ND		ug/kg	6200	1400	10
Vinyl acetate	ND		ug/kg	6200	1300	10
4-Methyl-2-pentanone	ND		ug/kg	6200	800	10
1,2,3-Trichloropropane	ND		ug/kg	1200	79.	10
2-Hexanone	ND		ug/kg	6200	740	10
Bromochloromethane	ND		ug/kg	1200	130	10
2,2-Dichloropropane	ND		ug/kg	1200	130	10
1,2-Dibromoethane	ND		ug/kg	620	170	10
1,3-Dichloropropane	ND		ug/kg	1200	100	10
1,1,1,2-Tetrachloroethane	ND		ug/kg	310	82.	10
Bromobenzene	ND		ug/kg	1200	90.	10
n-Butylbenzene	460	J	ug/kg	620	100	10
sec-Butylbenzene	690		ug/kg	620	91.	10
tert-Butylbenzene	ND		ug/kg	1200	74.	10
o-Chlorotoluene	ND		ug/kg	1200	120	10
p-Chlorotoluene	ND		ug/kg	1200	67.	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	1900	620	10
Hexachlorobutadiene	ND		ug/kg	2500	100	10
Isopropylbenzene	150	J	ug/kg	620	68.	10
p-Isopropyltoluene	ND		ug/kg	620	68.	10
Naphthalene	470	J	ug/kg	2500	400	10
Acrylonitrile	ND		ug/kg	2500	720	10
Tert-Butyl Alcohol	ND		ug/kg	12000	3200	10

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-02 D Date Collected: 07/19/19 14:50
Client ID: WC02,4_COMP02 Date Received: 07/19/19
Sample Location: NY, NY 10027 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	620	110	10
1,2,3-Trichlorobenzene	ND		ug/kg	1200	200	10
1,2,4-Trichlorobenzene	ND		ug/kg	1200	170	10
1,3,5-Trimethylbenzene	ND		ug/kg	1200	120	10
1,2,4-Trimethylbenzene	ND		ug/kg	1200	210	10
Methyl Acetate	ND		ug/kg	2500	590	10
Acrolein	ND		ug/kg	16000	3500	10
Cyclohexane	ND		ug/kg	6200	340	10
1,4-Dioxane	ND		ug/kg	50000	22000	10
Freon-113	ND		ug/kg	2500	430	10
p-Diethylbenzene	1700		ug/kg	1200	110	10
p-Ethyltoluene	ND		ug/kg	1200	240	10
1,2,4,5-Tetramethylbenzene	3200		ug/kg	1200	120	10
Ethyl ether	ND		ug/kg	1200	210	10
trans-1,4-Dichloro-2-butene	ND		ug/kg	3100	890	10
Methyl cyclohexane	ND		ug/kg	2500	380	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	129		70-130
Dibromofluoromethane	92		70-130

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-03
Client ID: RAMP06_COMP01
Sample Location: NY, NY 10027
Date Collected: 07/19/19 14:55
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/23/19 09:33
Analyst: MM
Percent Solids: 95%
TCLP/SPLP Ext. Date: 07/22/19 15:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	128		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
dibromofluoromethane	103		70-130

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-03 D
Client ID: RAMP06_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:55
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/21/19 21:14
Analyst: MV
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	550	250	2
1,1-Dichloroethane	ND		ug/kg	110	16.	2
Chloroform	ND		ug/kg	170	16.	2
Carbon tetrachloride	ND		ug/kg	110	26.	2
1,2-Dichloropropane	ND		ug/kg	110	14.	2
Dibromochloromethane	ND		ug/kg	110	16.	2
1,1,2-Trichloroethane	ND		ug/kg	110	30.	2
Tetrachloroethene	ND		ug/kg	55	22.	2
Chlorobenzene	ND		ug/kg	55	14.	2
Trichlorofluoromethane	ND		ug/kg	440	77.	2
1,2-Dichloroethane	ND		ug/kg	110	28.	2
1,1,1-Trichloroethane	ND		ug/kg	55	18.	2
Bromodichloromethane	ND		ug/kg	55	12.	2
trans-1,3-Dichloropropene	ND		ug/kg	110	30.	2
cis-1,3-Dichloropropene	ND		ug/kg	55	18.	2
1,3-Dichloropropene, Total	ND		ug/kg	55	18.	2
1,1-Dichloropropene	ND		ug/kg	55	18.	2
Bromoform	ND		ug/kg	440	27.	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	55	18.	2
Benzene	ND		ug/kg	55	18.	2
Toluene	ND		ug/kg	110	60.	2
Ethylbenzene	ND		ug/kg	110	16.	2
Chloromethane	ND		ug/kg	440	100	2
Bromomethane	ND		ug/kg	220	64.	2
Vinyl chloride	ND		ug/kg	110	37.	2
Chloroethane	ND		ug/kg	220	50.	2
1,1-Dichloroethene	ND		ug/kg	110	26.	2
trans-1,2-Dichloroethene	ND		ug/kg	170	15.	2

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-03 D Date Collected: 07/19/19 14:55
Client ID: RAMP06_COMP01 Date Received: 07/19/19
Sample Location: NY, NY 10027 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	55	15.	2
1,2-Dichlorobenzene	ND		ug/kg	220	16.	2
1,3-Dichlorobenzene	ND		ug/kg	220	16.	2
1,4-Dichlorobenzene	ND		ug/kg	220	19.	2
Methyl tert butyl ether	ND		ug/kg	220	22.	2
p/m-Xylene	ND		ug/kg	220	62.	2
o-Xylene	ND		ug/kg	110	32.	2
Xylenes, Total	ND		ug/kg	110	32.	2
cis-1,2-Dichloroethene	ND		ug/kg	110	19.	2
Dibromomethane	ND		ug/kg	220	26.	2
Styrene	ND		ug/kg	110	22.	2
Dichlorodifluoromethane	ND		ug/kg	1100	100	2
Acetone	ND		ug/kg	1100	530	2
Carbon disulfide	ND		ug/kg	1100	500	2
2-Butanone	ND		ug/kg	1100	250	2
Vinyl acetate	ND		ug/kg	1100	240	2
4-Methyl-2-pentanone	ND		ug/kg	1100	140	2
1,2,3-Trichloropropane	ND		ug/kg	220	14.	2
2-Hexanone	ND		ug/kg	1100	130	2
Bromochloromethane	ND		ug/kg	220	23.	2
2,2-Dichloropropane	ND		ug/kg	220	22.	2
1,2-Dibromoethane	ND		ug/kg	110	31.	2
1,3-Dichloropropane	ND		ug/kg	220	18.	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	55	15.	2
Bromobenzene	ND		ug/kg	220	16.	2
n-Butylbenzene	ND		ug/kg	110	18.	2
sec-Butylbenzene	ND		ug/kg	110	16.	2
tert-Butylbenzene	ND		ug/kg	220	13.	2
o-Chlorotoluene	ND		ug/kg	220	21.	2
p-Chlorotoluene	ND		ug/kg	220	12.	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	330	110	2
Hexachlorobutadiene	ND		ug/kg	440	19.	2
Isopropylbenzene	ND		ug/kg	110	12.	2
p-Isopropyltoluene	ND		ug/kg	110	12.	2
Naphthalene	120	J	ug/kg	440	72.	2
Acrylonitrile	ND		ug/kg	440	130	2
Tert-Butyl Alcohol	ND		ug/kg	2200	570	2

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-03 D
Client ID: RAMP06_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:55
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	110	19.	2
1,2,3-Trichlorobenzene	ND		ug/kg	220	36.	2
1,2,4-Trichlorobenzene	ND		ug/kg	220	30.	2
1,3,5-Trimethylbenzene	ND		ug/kg	220	21.	2
1,2,4-Trimethylbenzene	ND		ug/kg	220	37.	2
Methyl Acetate	ND		ug/kg	440	100	2
Acrolein	ND		ug/kg	2800	620	2
Cyclohexane	ND		ug/kg	1100	60.	2
1,4-Dioxane	ND		ug/kg	8900	3900	2
Freon-113	ND		ug/kg	440	77.	2
p-Diethylbenzene	ND		ug/kg	220	20.	2
p-Ethyltoluene	ND		ug/kg	220	43.	2
1,2,4,5-Tetramethylbenzene	ND		ug/kg	220	21.	2
Ethyl ether	ND		ug/kg	220	38.	2
trans-1,4-Dichloro-2-butene	ND		ug/kg	550	160	2
Methyl cyclohexane	ND		ug/kg	440	67.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	90		70-130

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/21/19 13:12
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03 Batch: WG1262731-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/21/19 13:12
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03 Batch: WG1262731-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6
p-Chlorotoluene	ND		ug/kg	100	5.4

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/21/19 13:12
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03 Batch: WG1262731-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	100	J	ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
Tert-Butyl Alcohol	ND		ug/kg	1000	260
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Acrolein	ND		ug/kg	1200	280
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/21/19 13:12
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03 Batch: WG1262731-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	91		70-130

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/23/19 08:01
Analyst: MM
TCLP/SPLP Extraction Date: 07/22/19 15:06
Extraction Date: 07/22/19 15:06

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG1263257-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03 Batch: WG1262731-3 WG1262731-4								
Methylene chloride	98		97		70-130	1		30
1,1-Dichloroethane	105		104		70-130	1		30
Chloroform	104		103		70-130	1		30
Carbon tetrachloride	98		97		70-130	1		30
1,2-Dichloropropane	107		108		70-130	1		30
Dibromochloromethane	96		94		70-130	2		30
1,1,2-Trichloroethane	111		107		70-130	4		30
Tetrachloroethene	106		103		70-130	3		30
Chlorobenzene	99		98		70-130	1		30
Trichlorofluoromethane	98		95		70-139	3		30
1,2-Dichloroethane	86		85		70-130	1		30
1,1,1-Trichloroethane	104		103		70-130	1		30
Bromodichloromethane	103		102		70-130	1		30
trans-1,3-Dichloropropene	104		102		70-130	2		30
cis-1,3-Dichloropropene	110		110		70-130	0		30
1,1-Dichloropropene	114		114		70-130	0		30
Bromoform	101		97		70-130	4		30
1,1,2,2-Tetrachloroethane	101		98		70-130	3		30
Benzene	110		108		70-130	2		30
Toluene	107		106		70-130	1		30
Ethylbenzene	109		107		70-130	2		30
Chloromethane	95		90		52-130	5		30
Bromomethane	113		108		57-147	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03 Batch: WG1262731-3 WG1262731-4								
Vinyl chloride	113		110		67-130	3		30
Chloroethane	125		123		50-151	2		30
1,1-Dichloroethene	116		113		65-135	3		30
trans-1,2-Dichloroethene	114		110		70-130	4		30
Trichloroethene	110		110		70-130	0		30
1,2-Dichlorobenzene	90		91		70-130	1		30
1,3-Dichlorobenzene	94		93		70-130	1		30
1,4-Dichlorobenzene	92		91		70-130	1		30
Methyl tert butyl ether	95		94		66-130	1		30
p/m-Xylene	104		104		70-130	0		30
o-Xylene	104		101		70-130	3		30
cis-1,2-Dichloroethene	112		111		70-130	1		30
Dibromomethane	105		103		70-130	2		30
Styrene	104		101		70-130	3		30
Dichlorodifluoromethane	80		77		30-146	4		30
Acetone	86		75		54-140	14		30
Carbon disulfide	111		107		59-130	4		30
2-Butanone	**69**	Q	71		70-130	3		30
Vinyl acetate	88		88		70-130	0		30
4-Methyl-2-pentanone	102		98		70-130	4		30
1,2,3-Trichloropropane	93		93		68-130	0		30
2-Hexanone	80		78		70-130	3		30
Bromochloromethane	105		105		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03 Batch: WG1262731-3 WG1262731-4								
2,2-Dichloropropane	107		103		70-130	4		30
1,2-Dibromoethane	102		98		70-130	4		30
1,3-Dichloropropane	104		100		69-130	4		30
1,1,1,2-Tetrachloroethane	97		96		70-130	1		30
Bromobenzene	98		96		70-130	2		30
n-Butylbenzene	106		105		70-130	1		30
sec-Butylbenzene	100		99		70-130	1		30
tert-Butylbenzene	97		97		70-130	0		30
o-Chlorotoluene	85		86		70-130	1		30
p-Chlorotoluene	101		100		70-130	1		30
1,2-Dibromo-3-chloropropane	87		84		68-130	4		30
Hexachlorobutadiene	113		113		67-130	0		30
Isopropylbenzene	101		99		70-130	2		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	110		101		70-130	9		30
Acrylonitrile	91		85		70-130	7		30
Tert-Butyl Alcohol	90		88		70-130	2		30
n-Propylbenzene	107		104		70-130	3		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	98		98		70-130	0		30
1,2,4-Trimethylbenzene	96		95		70-130	1		30
Methyl Acetate	83		82		51-146	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03 Batch: WG1262731-3 WG1262731-4								
Acrolein	104		95		70-130	9		30
Cyclohexane	112		110		59-142	2		30
1,4-Dioxane	118		112		65-136	5		30
Freon-113	104		101		50-139	3		30
p-Diethylbenzene	99		99		70-130	0		30
p-Ethyltoluene	100		98		70-130	2		30
1,2,4,5-Tetramethylbenzene	95		95		70-130	0		30
Ethyl ether	107		106		67-130	1		30
trans-1,4-Dichloro-2-butene	89		80		70-130	11		30
Methyl cyclohexane	114		114		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		83		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	93		95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1932145

Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG1263257-3 WG1263257-4								
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	120		120		63-132	0		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	94		90		75-130	4		25
1,2-Dichloroethane	120		120		70-130	0		20
Benzene	97		95		70-130	2		25
Vinyl chloride	94		91		55-140	3		20
1,1-Dichloroethene	110		100		61-145	10		25
Trichloroethene	100		98		70-130	2		25
1,4-Dichlorobenzene	99		96		70-130	3		20
2-Butanone	96		92		63-138	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	124		124		70-130
Toluene-d8	100		97		70-130
4-Bromofluorobenzene	93		91		70-130
dibromofluoromethane	105		103		70-130

SEMIVOLATILES

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-01
Client ID: WC02,4_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:45
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/23/19 14:08
Analyst: JG
Percent Solids: 94%
TCLP/SPLP Ext. Date: 07/20/19 06:42

Extraction Method: EPA 3510C
Extraction Date: 07/21/19 10:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	52		33-120

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-01
Client ID: WC02,4_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:45
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/23/19 05:20
Analyst: JG
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/20/19 14:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	580	190	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	31.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Azobenzene	ND		ug/kg	180	17.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-01 Date Collected: 07/19/19 14:45

Client ID: WC02,4_COMP01 Date Received: 07/19/19

Sample Location: NY, NY 10027 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	23	J	ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	72.	1
Dibenzofuran	ND		ug/kg	180	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
n-Nitrosodimethylamine	ND		ug/kg	350	34.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-01 Date Collected: 07/19/19 14:45

Client ID: WC02,4_COMP01 Date Received: 07/19/19

Sample Location: NY, NY 10027 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
Atrazine	ND		ug/kg	140	61.	1
Benzaldehyde	ND		ug/kg	230	47.	1
Caprolactam	ND		ug/kg	180	53.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	35.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	75		18-120

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-02
Client ID: WC02,4_COMP02
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:50
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/23/19 14:33
Analyst: JG
Percent Solids: 96%
TCLP/SPLP Ext. Date: 07/20/19 06:42

Extraction Method: EPA 3510C
Extraction Date: 07/21/19 10:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		21-120
Phenol-d6	86		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	105		15-120
2,4,6-Tribromophenol	116		10-120
4-Terphenyl-d14	105		33-120

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-02
Client ID: WC02,4_COMP02
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:50
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/23/19 04:54
Analyst: JG
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 07/20/19 14:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	560	180	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Azobenzene	ND		ug/kg	170	16.	1
Fluoranthene	28	J	ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	150	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	90	J	ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	90	J	ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-02 Date Collected: 07/19/19 14:50

Client ID: WC02,4_COMP02 Date Received: 07/19/19

Sample Location: NY, NY 10027 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	26	J	ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
n-Nitrosodimethylamine	ND		ug/kg	340	33.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-02 Date Collected: 07/19/19 14:50

Client ID: WC02,4_COMP02 Date Received: 07/19/19

Sample Location: NY, NY 10027 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	17.	1
Atrazine	ND		ug/kg	140	60.	1
Benzaldehyde	ND		ug/kg	220	46.	1
Caprolactam	ND		ug/kg	170	52.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	34.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	54		18-120

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-03
Client ID: RAMP06_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:55
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/23/19 14:58
Analyst: JG
Percent Solids: 95%
TCLP/SPLP Ext. Date: 07/20/19 06:42

Extraction Method: EPA 3510C
Extraction Date: 07/21/19 10:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	51		33-120

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-03
Client ID: RAMP06_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:55
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/23/19 05:45
Analyst: JG
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 07/20/19 14:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Benzidine	ND		ug/kg	560	180	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Azobenzene	ND		ug/kg	170	16.	1
Fluoranthene	130		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	140	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-03 Date Collected: 07/19/19 14:55

Client ID: RAMP06_COMP01 Date Received: 07/19/19

Sample Location: NY, NY 10027 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	89	J	ug/kg	100	19.	1
Benzo(a)pyrene	78	J	ug/kg	140	41.	1
Benzo(b)fluoranthene	100		ug/kg	100	28.	1
Benzo(k)fluoranthene	38	J	ug/kg	100	27.	1
Chrysene	75	J	ug/kg	100	18.	1
Acenaphthylene	27	J	ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	68	J	ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	57	J	ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	64	J	ug/kg	140	24.	1
Pyrene	130		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	39.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	70.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
n-Nitrosodimethylamine	ND		ug/kg	340	32.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	69.	1
2,4-Dinitrophenol	ND		ug/kg	810	79.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	81.	1
Pentachlorophenol	ND		ug/kg	140	37.	1

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-03 Date Collected: 07/19/19 14:55

Client ID: RAMP06_COMP01 Date Received: 07/19/19

Sample Location: NY, NY 10027 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	16.	1
Atrazine	ND		ug/kg	140	59.	1
Benzaldehyde	ND		ug/kg	220	46.	1
Caprolactam	ND		ug/kg	170	52.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	34.	1
1,4-Dioxane	ND		ug/kg	25	7.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	72		18-120

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/21/19 13:28
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 07/20/19 14:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1262491-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	540	180
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Azobenzene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/21/19 13:28
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 07/20/19 14:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1262491-1					
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
n-Nitrosodimethylamine	ND		ug/kg	330	32.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	20.

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/21/19 13:28
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 07/20/19 14:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1262491-1					
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	73		18-120

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/23/19 12:53
Analyst: JG
TCLP/SPLP Extraction Date: 07/20/19 06:42

Extraction Method: EPA 3510C
Extraction Date: 07/21/19 10:47

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG1262579-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	55		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

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: WG1262491-2 WG1262491-3								
Acenaphthene	68		69		31-137	1		50
Benzidine	48		49		10-66	2		50
1,2,4-Trichlorobenzene	75		71		38-107	5		50
Hexachlorobenzene	76		76		40-140	0		50
Bis(2-chloroethyl)ether	73		67		40-140	9		50
2-Chloronaphthalene	75		73		40-140	3		50
1,2-Dichlorobenzene	71		66		40-140	7		50
1,3-Dichlorobenzene	70		65		40-140	7		50
1,4-Dichlorobenzene	71		66		28-104	7		50
3,3'-Dichlorobenzidine	57		57		40-140	0		50
2,4-Dinitrotoluene	76		76		40-132	0		50
2,6-Dinitrotoluene	81		80		40-140	1		50
Azobenzene	68		68		40-140	0		50
Fluoranthene	74		75		40-140	1		50
4-Chlorophenyl phenyl ether	72		72		40-140	0		50
4-Bromophenyl phenyl ether	75		76		40-140	1		50
Bis(2-chloroisopropyl)ether	66		61		40-140	8		50
Bis(2-chloroethoxy)methane	76		72		40-117	5		50
Hexachlorobutadiene	73		71		40-140	3		50
Hexachlorocyclopentadiene	77		76		40-140	1		50
Hexachloroethane	70		64		40-140	9		50
Isophorone	80		74		40-140	8		50
Naphthalene	69		68		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

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: WG1262491-2 WG1262491-3								
Nitrobenzene	77		72		40-140	7		50
NDPA/DPA	74		74		36-157	0		50
n-Nitrosodi-n-propylamine	78		73		32-121	7		50
Bis(2-ethylhexyl)phthalate	68		68		40-140	0		50
Butyl benzyl phthalate	72		73		40-140	1		50
Di-n-butylphthalate	76		76		40-140	0		50
Di-n-octylphthalate	75		75		40-140	0		50
Diethyl phthalate	73		72		40-140	1		50
Dimethyl phthalate	81		78		40-140	4		50
Benzo(a)anthracene	71		72		40-140	1		50
Benzo(a)pyrene	81		82		40-140	1		50
Benzo(b)fluoranthene	74		74		40-140	0		50
Benzo(k)fluoranthene	72		73		40-140	1		50
Chrysene	65		67		40-140	3		50
Acenaphthylene	79		77		40-140	3		50
Anthracene	73		74		40-140	1		50
Benzo(ghi)perylene	71		71		40-140	0		50
Fluorene	71		71		40-140	0		50
Phenanthrene	68		69		40-140	1		50
Dibenzo(a,h)anthracene	73		73		40-140	0		50
Indeno(1,2,3-cd)pyrene	74		75		40-140	1		50
Pyrene	72		73		35-142	1		50
Biphenyl	83		80		54-104	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

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: WG1262491-2 WG1262491-3								
4-Chloroaniline	55		61		40-140	10		50
2-Nitroaniline	84		81		47-134	4		50
3-Nitroaniline	64		62		26-129	3		50
4-Nitroaniline	73		74		41-125	1		50
Dibenzofuran	68		70		40-140	3		50
2-Methylnaphthalene	74		73		40-140	1		50
1,2,4,5-Tetrachlorobenzene	79		77		40-117	3		50
Acetophenone	86		81		14-144	6		50
n-Nitrosodimethylamine	70		65		22-100	7		50
2,4,6-Trichlorophenol	86		84		30-130	2		50
p-Chloro-m-cresol	80		78		26-103	3		50
2-Chlorophenol	79		74		25-102	7		50
2,4-Dichlorophenol	86		81		30-130	6		50
2,4-Dimethylphenol	83		78		30-130	6		50
2-Nitrophenol	90		85		30-130	6		50
4-Nitrophenol	72		74		11-114	3		50
2,4-Dinitrophenol	52		85		4-130	48		50
4,6-Dinitro-o-cresol	81		85		10-130	5		50
Pentachlorophenol	80		80		17-109	0		50
Phenol	71		67		26-90	6		50
2-Methylphenol	80		75		30-130.	6		50
3-Methylphenol/4-Methylphenol	80		74		30-130	8		50
2,4,5-Trichlorophenol	86		83		30-130	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1932145

Report Date: 07/23/19

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: WG1262491-2 WG1262491-3								
Benzoic Acid	**0**	Q	54		10-110	NC		50
Benzyl Alcohol	77		74		40-140	4		50
Carbazole	70		71		54-128	1		50
Atrazine	95		95		40-140	0		50
Benzaldehyde	84		78		40-140	7		50
Caprolactam	90		87		15-130	3		50
2,3,4,6-Tetrachlorophenol	75		75		40-140	0		50
1,4-Dioxane	62		56		40-140	10		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		70		25-120
Phenol-d6	77		72		10-120
Nitrobenzene-d5	79		74		23-120
2-Fluorobiphenyl	75		73		30-120
2,4,6-Tribromophenol	80		81		10-136
4-Terphenyl-d14	70		72		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG1262579-2 WG1262579-3								
Hexachlorobenzene	62		51		40-140	19		30
2,4-Dinitrotoluene	64		53		40-132	19		30
Hexachlorobutadiene	54		43		28-111	23		30
Hexachloroethane	47		42		21-105	11		30
Nitrobenzene	58		51		40-140	13		30
2,4,6-Trichlorophenol	66		58		30-130	13		30
Pentachlorophenol	69		59		9-103	16		30
2-Methylphenol	57		51		30-130	11		30
3-Methylphenol/4-Methylphenol	58		53		30-130	9		30
2,4,5-Trichlorophenol	66		58		30-130	13		30
Pyridine	24		21		10-66	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	54		49		21-120
Phenol-d6	53		46		10-120
Nitrobenzene-d5	62		55		23-120
2-Fluorobiphenyl	60		50		15-120
2,4,6-Tribromophenol	68		58		10-120
4-Terphenyl-d14	61		50		33-120

PETROLEUM HYDROCARBONS

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-04
Client ID: WC02,4_EPH1
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:46
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/23/19 00:33
Analyst: MEO
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 07/22/19 02:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	160000		ug/kg	41500	4780	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	72		40-140

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-04
Client ID: WC02,4_EPH1
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:46
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 07/23/19 08:18
Analyst: MEO
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 07/22/19 18:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	107		mg/kg	29.8	29.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	85		40-140
o-Terphenyl	81		40-140

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-04 D
Client ID: WC02,4_EPH1
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:46
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 18:09
Analyst: BAD
Percent Solids: 78%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	550000		ug/kg	30000	580	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	103		70-130
4-Bromofluorobenzene	112		70-130

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-05
Client ID: WC02,4_EPH2
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:47
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/23/19 01:05
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 07/22/19 02:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	59800		ug/kg	37100	4260	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	92		40-140

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-05
Client ID: WC02,4_EPH2
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:47
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 07/23/19 06:47
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 07/22/19 12:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	30.0		mg/kg	26.0	26.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	88		40-140
o-Terphenyl	87		40-140

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-05 D
Client ID: WC02,4_EPH2
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:47
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 19:32
Analyst: BAD
Percent Solids: 89%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	360000		ug/kg	13000	260	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	103		70-130
4-Bromofluorobenzene	120		70-130

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-06
Client ID: WC02,4_EPH3
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:51
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/23/19 01:38
Analyst: MEO
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 07/22/19 02:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	210000		ug/kg	34000	3910	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	73		40-140

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-06
Client ID: WC02,4_EPH3
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:51
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 07/23/19 07:17
Analyst: MEO
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 07/22/19 12:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	37.4		mg/kg	24.8	24.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	75		40-140
o-Terphenyl	75		40-140

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-06 D
Client ID: WC02,4_EPH3
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:51
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 20:54
Analyst: BAD
Percent Solids: 96%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	790000		ug/kg	26000	500	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	106		70-130
4-Bromofluorobenzene	121		70-130

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-07
Client ID: WC02,4_EPH4
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:52
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 07/23/19 07:48
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 07/22/19 12:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	281		mg/kg	25.7	25.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	78		40-140
o-Terphenyl	78		40-140

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-07 D
Client ID: WC02,4_EPH4
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:52
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 22:17
Analyst: BAD
Percent Solids: 90%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1700000		ug/kg	53000	1000	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	107		70-130
4-Bromofluorobenzene	115		70-130

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-07 D
Client ID: WC02,4_EPH4
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:52
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/23/19 11:44
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 07/22/19 02:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1000000		ug/kg	180000	20700	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-08
Client ID: RAMP6_EPH1
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:56
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 16:46
Analyst: BAD
Percent Solids: 95%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	110000		ug/kg	2600	49.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		70-130
4-Bromofluorobenzene	116		70-130

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-08
Client ID: RAMP6_EPH1
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:56
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/23/19 02:43
Analyst: MEO
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 07/22/19 02:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	55200		ug/kg	34700	3990	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		40-140

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-08
Client ID: RAMP6_EPH1
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:56
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 07/23/19 08:18
Analyst: MEO
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 07/22/19 12:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	33.2		mg/kg	24.9	24.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	81		40-140
o-Terphenyl	80		40-140

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-09
Client ID: RAMP6_EPH2
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:57
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 17:28
Analyst: BAD
Percent Solids: 96%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	52000		ug/kg	2400	46.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	102		70-130
4-Bromofluorobenzene	118		70-130

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-09
Client ID: RAMP6_EPH2
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:57
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/23/19 03:15
Analyst: MEO
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 07/22/19 02:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	45500		ug/kg	34200	3930	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	67		40-140

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-09
Client ID: RAMP6_EPH2
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:57
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 07/23/19 08:48
Analyst: MEO
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 07/22/19 12:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	30.1		mg/kg	24.9	24.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	82		40-140
o-Terphenyl	82		40-140

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 07/23/19 00:33
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 07/22/19 02:25

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 04-09 Batch: WG1262669-1					
TPH	ND		ug/kg	31500	3620

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	65		40-140

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 07/23/19 07:48
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 07/22/19 12:05

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 04-09 Batch: WG1262840-1					
Total EPH	ND		mg/kg	23.9	23.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	82		40-140
o-Terphenyl	82		40-140

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 16:05
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 04-09 Batch: WG1263179-10					
Gasoline Range Organics	960	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	92		70-130
4-Bromofluorobenzene	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1932145

Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04-09 Batch: WG1262669-2								
TPH	87		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	71				40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1932145

Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-09 Batch: WG1262840-2 WG1262840-3								
Total EPH	98		92		40-140	6		25
Nonane (C9)	74		73		40-140	1		25
Decane (C10)	83		83		40-140	0		25
Dodecane (C12)	82		80		40-140	2		25
Tetradecane (C14)	86		82		40-140	5		25
Hexadecane (C16)	88		84		40-140	5		25
Octadecane (C18)	90		86		40-140	5		25
Eicosane (C20)	89		84		40-140	6		25
Heneicosane (C21)	89		85		40-140	5		25
Docosane (C22)	90		85		40-140	6		25
Tetracosane (C24)	90		86		40-140	5		25
Hexacosane (C26)	90		86		40-140	5		25
Octacosane (C28)	90		86		40-140	5		25
Triacontane (C30)	91		87		40-140	4		25
Dotriacontane (C32)	92		88		40-140	4		25
Tetratriacontane (C34)	90		85		40-140	6		25
Hexatriacontane (C36)	92		86		40-140	7		25
Octatriacontane (C38)	94		86		40-140	9		25
Tetracontane (C40)	92		83		40-140	10		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-09 Batch: WG1262840-2 WG1262840-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	77		73		40-140
o-Terphenyl	76		72		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1932145

Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 04-09		Batch: WG1263179-8 WG1263179-9					
Gasoline Range Organics	103		102		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	108		106		70-130
4-Bromofluorobenzene	113		111		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-09 QC Batch ID: WG1262840-4 QC Sample: L1932145-04 Client ID: WC02,4_EPH1												
Total EPH	107	305	644	**176**	Q	-	-		40-140	-		50
Nonane (C9)	ND	8.47	6.81	80		-	-		40-140	-		50
Decane (C10)	ND	8.47	7.47	88		-	-		40-140	-		50
Dodecane (C12)	ND	8.47	9.60	113		-	-		40-140	-		50
Tetradecane (C14)	ND	8.47	7.53	89		-	-		40-140	-		50
Hexadecane (C16)	ND	8.47	7.06	83		-	-		40-140	-		50
Octadecane (C18)	ND	8.47	7.16	85		-	-		40-140	-		50
Eicosane (C20)	ND	8.47	7.13	84		-	-		40-140	-		50
Heneicosane (C21)	ND	8.47	7.14	84		-	-		40-140	-		50
Docosane (C22)	ND	8.47	7.21	85		-	-		40-140	-		50
Tetracosane (C24)	ND	8.47	7.25	86		-	-		40-140	-		50
Hexacosane (C26)	ND	8.47	7.25	86		-	-		40-140	-		50
Octacosane (C28)	ND	8.47	7.24	86		-	-		40-140	-		50
Triacontane (C30)	ND	8.47	7.36	87		-	-		40-140	-		50
Dotriacontane (C32)	ND	8.47	7.44	88		-	-		40-140	-		50
Tetratriacontane (C34)	ND	8.47	7.27	86		-	-		40-140	-		50
Hexatriacontane (C36)	ND	8.47	7.41	88		-	-		40-140	-		50
Octatriacontane (C38)	ND	8.47	7.46	88		-	-		40-140	-		50
Tetracontane (C40)	ND	8.47	7.28	86		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	82				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name:	300 WEST 122ND STREET	***Lab Number:***	L1932145
Project Number:	170500202	***Report Date:***	07/23/19

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-09 QC Batch ID: WG1262840-4 QC Sample: L1932145-04 Client ID: WC02,4_EPH1												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	80				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-09 QC Batch ID: WG1262840-5 QC Sample: L1932145-04 Client ID: WC02,4_EPH1						
Total EPH	107	126	mg/kg	16		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	85		**32**	Q	40-140
o-Terphenyl	81		**31**	Q	40-140

PCBS

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-01
Client ID: WC02,4_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:45
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/23/19 11:25
Analyst: WR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/22/19 08:29
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.0	3.02	1	A
Aroclor 1221	ND		ug/kg	34.0	3.41	1	A
Aroclor 1232	ND		ug/kg	34.0	7.22	1	A
Aroclor 1242	ND		ug/kg	34.0	4.59	1	A
Aroclor 1248	ND		ug/kg	34.0	5.11	1	A
Aroclor 1254	ND		ug/kg	34.0	3.72	1	A
Aroclor 1260	ND		ug/kg	34.0	6.29	1	A
Aroclor 1262	ND		ug/kg	34.0	4.32	1	A
Aroclor 1268	ND		ug/kg	34.0	3.53	1	A
PCBs, Total	ND		ug/kg	34.0	3.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-02
Client ID: WC02,4_COMP02
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:50
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/23/19 11:38
Analyst: WR
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 07/22/19 08:29
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.0	3.02	1	A
Aroclor 1221	ND		ug/kg	34.0	3.41	1	A
Aroclor 1232	ND		ug/kg	34.0	7.22	1	A
Aroclor 1242	ND		ug/kg	34.0	4.59	1	A
Aroclor 1248	ND		ug/kg	34.0	5.10	1	A
Aroclor 1254	ND		ug/kg	34.0	3.72	1	A
Aroclor 1260	ND		ug/kg	34.0	6.29	1	A
Aroclor 1262	ND		ug/kg	34.0	4.32	1	A
Aroclor 1268	ND		ug/kg	34.0	3.53	1	A
PCBs, Total	ND		ug/kg	34.0	3.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-03
Client ID: RAMP06_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:55
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/23/19 11:50
Analyst: WR
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 07/22/19 08:29
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.7	3.08	1	A
Aroclor 1221	ND		ug/kg	34.7	3.48	1	A
Aroclor 1232	ND		ug/kg	34.7	7.36	1	A
Aroclor 1242	ND		ug/kg	34.7	4.68	1	A
Aroclor 1248	ND		ug/kg	34.7	5.20	1	A
Aroclor 1254	ND		ug/kg	34.7	3.80	1	A
Aroclor 1260	ND		ug/kg	34.7	6.41	1	A
Aroclor 1262	ND		ug/kg	34.7	4.41	1	A
Aroclor 1268	ND		ug/kg	34.7	3.60	1	A
PCBs, Total	ND		ug/kg	34.7	3.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/23/19 10:23
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 07/22/19 08:29
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1262733-1						
Aroclor 1016	ND		ug/kg	33.3	2.95	A
Aroclor 1221	ND		ug/kg	33.3	3.33	A
Aroclor 1232	ND		ug/kg	33.3	7.05	A
Aroclor 1242	ND		ug/kg	33.3	4.48	A
Aroclor 1248	ND		ug/kg	33.3	4.99	A
Aroclor 1254	ND		ug/kg	33.3	3.64	A
Aroclor 1260	ND		ug/kg	33.3	6.15	A
Aroclor 1262	ND		ug/kg	33.3	4.22	A
Aroclor 1268	ND		ug/kg	33.3	3.45	A
PCBs, Total	ND		ug/kg	33.3	2.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	52		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1932145

Report Date: 07/23/19

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: WG1262733-2 WG1262733-3									
Aroclor 1016	97		95		40-140	2		50	A
Aroclor 1260	94		95		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		73		30-150	A
Decachlorobiphenyl	66		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		64		30-150	B
Decachlorobiphenyl	52		53		30-150	B

PESTICIDES

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-01
Client ID: WC02,4_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:45
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/23/19 09:58
Analyst: AMC
Percent Solids: 94%
TCLP/SPLP Ext. Date: 07/20/19 06:42

Extraction Method: EPA 3510C
Extraction Date: 07/21/19 14:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-01
Client ID: WC02,4_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:45
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/23/19 09:46
Analyst: AMC
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/20/19 15:10
Cleanup Method: EPA 3620B
Cleanup Date: 07/21/19

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	0.317	1	A
Alpha-BHC	ND		ug/kg	0.708	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.645	1	A
Heptachlor	ND		ug/kg	0.850	0.381	1	A
Aldrin	ND		ug/kg	1.70	0.599	1	A
Heptachlor epoxide	ND		ug/kg	3.19	0.956	1	A
Endrin	ND		ug/kg	0.708	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.744	1	A
Endrin ketone	ND		ug/kg	1.70	0.438	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	3.19	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.402	1	A
Endosulfan II	ND		ug/kg	1.70	0.568	1	A
Endosulfan sulfate	ND		ug/kg	0.708	0.337	1	A
Methoxychlor	ND		ug/kg	3.19	0.992	1	A
Toxaphene	ND		ug/kg	31.9	8.93	1	A
cis-Chlordane	ND		ug/kg	2.12	0.592	1	A
trans-Chlordane	ND		ug/kg	2.12	0.561	1	A
Chlordane	ND		ug/kg	13.8	5.63	1	A

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-01 Date Collected: 07/19/19 14:45

Client ID: WC02,4_COMP01 Date Received: 07/19/19

Sample Location: NY, NY 10027 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	96		30-150	A

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-02
Client ID: WC02,4_COMP02
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:50
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/23/19 10:10
Analyst: AMC
Percent Solids: 96%
TCLP/SPLP Ext. Date: 07/20/19 06:42

Extraction Method: EPA 3510C
Extraction Date: 07/21/19 14:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-02
Client ID: WC02,4_COMP02
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:50
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/23/19 09:58
Analyst: AMC
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 07/20/19 15:10
Cleanup Method: EPA 3620B
Cleanup Date: 07/21/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.320	1	A
Lindane	ND		ug/kg	0.682	0.305	1	A
Alpha-BHC	ND		ug/kg	0.682	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.621	1	A
Heptachlor	ND		ug/kg	0.818	0.367	1	A
Aldrin	ND		ug/kg	1.64	0.576	1	A
Heptachlor epoxide	ND		ug/kg	3.07	0.921	1	A
Endrin	ND		ug/kg	0.682	0.280	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.716	1	A
Endrin ketone	ND		ug/kg	1.64	0.422	1	A
Dieldrin	ND		ug/kg	1.02	0.512	1	A
4,4'-DDE	ND		ug/kg	1.64	0.378	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	0.547	1	A
Endosulfan sulfate	ND		ug/kg	0.682	0.325	1	A
Methoxychlor	ND		ug/kg	3.07	0.955	1	A
Toxaphene	ND		ug/kg	30.7	8.59	1	A
cis-Chlordane	ND		ug/kg	2.05	0.570	1	A
trans-Chlordane	ND		ug/kg	2.05	0.540	1	A
Chlordane	ND		ug/kg	13.3	5.42	1	A

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-02 Date Collected: 07/19/19 14:50

Client ID: WC02,4_COMP02 Date Received: 07/19/19

Sample Location: NY, NY 10027 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	93		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	94		30-150	A

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-03
Client ID: RAMP06_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:55
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/23/19 10:23
Analyst: AMC
Percent Solids: 95%
TCLP/SPLP Ext. Date: 07/20/19 06:42

Extraction Method: EPA 3510C
Extraction Date: 07/21/19 14:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-03
Client ID: RAMP06_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:55
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/23/19 10:11
Analyst: AMC
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 07/20/19 15:10
Cleanup Method: EPA 3620B
Cleanup Date: 07/21/19

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
Heptachlor epoxide	ND		ug/kg	3.07	0.922	1	A
Endrin	ND		ug/kg	0.683	0.280	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.717	1	A
Endrin ketone	ND		ug/kg	1.64	0.422	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
Methoxychlor	ND		ug/kg	3.07	0.956	1	A
Toxaphene	ND		ug/kg	30.7	8.60	1	A
cis-Chlordane	ND		ug/kg	2.05	0.571	1	A
trans-Chlordane	ND		ug/kg	2.05	0.541	1	A
Chlordane	ND		ug/kg	13.3	5.43	1	A

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-03 Date Collected: 07/19/19 14:55

Client ID: RAMP06_COMP01 Date Received: 07/19/19

Sample Location: NY, NY 10027 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	107		30-150	A

Project Name: 300 WEST 122ND STREET
Project Number: 170500202
Lab Number: L1932145
Report Date: 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/22/19 18:44
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 07/20/19 15:10
Cleanup Method: EPA 3620B
Cleanup Date: 07/21/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1262501-1						
Delta-BHC	ND		ug/kg	1.58	0.310	A
Lindane	ND		ug/kg	0.660	0.295	A
Alpha-BHC	ND		ug/kg	0.660	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.601	A
Heptachlor	ND		ug/kg	0.792	0.355	A
Aldrin	ND		ug/kg	1.58	0.558	A
Heptachlor epoxide	ND		ug/kg	2.97	0.891	A
Endrin	ND		ug/kg	0.660	0.271	A
Endrin aldehyde	ND		ug/kg	1.98	0.693	A
Endrin ketone	ND		ug/kg	1.58	0.408	A
Dieldrin	ND		ug/kg	0.990	0.495	A
4,4'-DDE	ND		ug/kg	1.58	0.366	A
4,4'-DDD	ND		ug/kg	1.58	0.565	A
4,4'-DDT	ND		ug/kg	2.97	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.374	A
Endosulfan II	ND		ug/kg	1.58	0.529	A
Endosulfan sulfate	ND		ug/kg	0.660	0.314	A
Methoxychlor	ND		ug/kg	2.97	0.924	A
Toxaphene	ND		ug/kg	29.7	8.32	A
cis-Chlordane	ND		ug/kg	1.98	0.552	A
trans-Chlordane	ND		ug/kg	1.98	0.523	A
Chlordane	ND		ug/kg	12.9	5.25	A

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/22/19 18:44
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 07/20/19 15:10
Cleanup Method: EPA 3620B
Cleanup Date: 07/21/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1262501-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	59		30-150	A

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/23/19 09:20
Analyst: AMC
TCLP/SPLP Extraction Date: 07/20/19 06:42

Extraction Method: EPA 3510C
Extraction Date: 07/21/19 14:05

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01-03 Batch: WG1262607-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	98		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1932145

Report Date: 07/23/19

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: WG1262501-2 WG1262501-3									
Delta-BHC	74		77		30-150	4		30	A
Lindane	76		77		30-150	1		30	A
Alpha-BHC	76		77		30-150	1		30	A
Beta-BHC	75		76		30-150	1		30	A
Heptachlor	63		66		30-150	5		30	A
Aldrin	61		63		30-150	3		30	A
Heptachlor epoxide	66		69		30-150	4		30	A
Endrin	70		74		30-150	6		30	A
Endrin aldehyde	52		52		30-150	0		30	A
Endrin ketone	65		69		30-150	6		30	A
Dieldrin	68		72		30-150	6		30	A
4,4'-DDE	64		68		30-150	6		30	A
4,4'-DDD	71		75		30-150	5		30	A
4,4'-DDT	69		73		30-150	6		30	A
Endosulfan I	59		62		30-150	5		30	A
Endosulfan II	66		69		30-150	4		30	A
Endosulfan sulfate	56		58		30-150	4		30	A
Methoxychlor	59		62		30-150	5		30	A
cis-Chlordane	54		57		30-150	5		30	A
trans-Chlordane	65		68		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

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: WG1262501-2 WG1262501-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		79		30-150	B
Decachlorobiphenyl	78		85		30-150	B
2,4,5,6-Tetrachloro-m-xylene	68		72		30-150	A
Decachlorobiphenyl	54		59		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01-03 Batch: WG1262607-2 WG1262607-3									
Lindane	92		86		30-150	8		20	A
Heptachlor	83		79		30-150	5		20	A
Heptachlor epoxide	90		83		30-150	8		20	A
Endrin	89		84		30-150	6		20	A
Methoxychlor	77		73		30-150	6		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		77		30-150	A
Decachlorobiphenyl	78		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		83		30-150	B
Decachlorobiphenyl	94		84		30-150	B

METALS

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-01
Client ID: WC02,4_COMP01
Sample Location: NY, NY 10027
Date Collected: 07/19/19 14:45
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%
TCLP/SPLP Ext. Date: 07/20/19 06:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	07/23/19 08:35	07/23/19 10:10	EPA 3015	1,6010D	LC
Barium, TCLP	0.313	J	mg/l	0.500	0.021	1	07/23/19 08:35	07/23/19 10:10	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	07/23/19 08:35	07/23/19 10:10	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	07/23/19 08:35	07/23/19 10:10	EPA 3015	1,6010D	LC
Lead, TCLP	0.029	J	mg/l	0.500	0.027	1	07/23/19 08:35	07/23/19 10:10	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/23/19 11:30	07/23/19 14:56	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	07/23/19 08:35	07/23/19 10:10	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	07/23/19 08:35	07/23/19 10:10	EPA 3015	1,6010D	LC

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-01
Client ID: WC02,4_COMP01
Sample Location: NY, NY 10027
Date Collected: 07/19/19 14:45
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	1180		mg/kg	8.34	2.25	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.17	0.317	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Arsenic, Total	0.534	J	mg/kg	0.834	0.173	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Barium, Total	13.3		mg/kg	0.834	0.145	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Beryllium, Total	0.092	J	mg/kg	0.417	0.028	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.834	0.082	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Calcium, Total	1090		mg/kg	8.34	2.92	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Chromium, Total	2.93		mg/kg	0.834	0.080	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Cobalt, Total	1.84		mg/kg	1.67	0.138	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Copper, Total	5.95		mg/kg	0.834	0.215	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Iron, Total	2880		mg/kg	4.17	0.753	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Lead, Total	8.72		mg/kg	4.17	0.224	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Magnesium, Total	905		mg/kg	8.34	1.28	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Manganese, Total	65.6		mg/kg	0.834	0.133	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.068	0.044	1	07/20/19 10:30	07/20/19 19:13	EPA 7471B	1,7471B	MG
Nickel, Total	4.78		mg/kg	2.08	0.202	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Potassium, Total	275		mg/kg	208	12.0	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.67	0.215	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.834	0.236	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Sodium, Total	32.3	J	mg/kg	167	2.63	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.67	0.263	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Vanadium, Total	4.53		mg/kg	0.834	0.169	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC
Zinc, Total	8.11		mg/kg	4.17	0.244	2	07/23/19 10:20	07/23/19 12:38	EPA 3050B	1,6010D	LC

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-02
Client ID: WC02,4_COMP02
Sample Location: NY, NY 10027
Date Collected: 07/19/19 14:50
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%
TCLP/SPLP Ext. Date: 07/20/19 06:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	07/23/19 08:35	07/23/19 10:33	EPA 3015	1,6010D	LC
Barium, TCLP	0.330	J	mg/l	0.500	0.021	1	07/23/19 08:35	07/23/19 10:33	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	07/23/19 08:35	07/23/19 10:33	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	07/23/19 08:35	07/23/19 10:33	EPA 3015	1,6010D	LC
Lead, TCLP	0.037	J	mg/l	0.500	0.027	1	07/23/19 08:35	07/23/19 10:33	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/23/19 11:30	07/23/19 14:58	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	07/23/19 08:35	07/23/19 10:33	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	07/23/19 08:35	07/23/19 10:33	EPA 3015	1,6010D	LC

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-02
Client ID: WC02,4_COMP02
Sample Location: NY, NY 10027
Date Collected: 07/19/19 14:50
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1620		mg/kg	8.00	2.16	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.00	0.304	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Arsenic, Total	0.528	J	mg/kg	0.800	0.166	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Barium, Total	14.7		mg/kg	0.800	0.139	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Beryllium, Total	0.128	J	mg/kg	0.400	0.026	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.800	0.078	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Calcium, Total	1140		mg/kg	8.00	2.80	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Chromium, Total	5.87		mg/kg	0.800	0.077	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Cobalt, Total	2.19		mg/kg	1.60	0.133	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Copper, Total	8.60		mg/kg	0.800	0.206	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Iron, Total	4180		mg/kg	4.00	0.722	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Lead, Total	5.96		mg/kg	4.00	0.214	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Magnesium, Total	1500		mg/kg	8.00	1.23	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Manganese, Total	116		mg/kg	0.800	0.127	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.066	0.043	1	07/20/19 10:30	07/20/19 19:15	EPA 7471B	1,7471B	MG
Nickel, Total	6.08		mg/kg	2.00	0.194	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Potassium, Total	328		mg/kg	200	11.5	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.60	0.206	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.800	0.226	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Sodium, Total	41.1	J	mg/kg	160	2.52	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.60	0.252	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Vanadium, Total	5.01		mg/kg	0.800	0.162	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC
Zinc, Total	8.72		mg/kg	4.00	0.234	2	07/23/19 10:20	07/23/19 12:58	EPA 3050B	1,6010D	LC

Project Name: 300 WEST 122ND STREET
Lab Number: L1932145
Project Number: 170500202
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-03
Client ID: RAMP06_COMP01
Sample Location: NY, NY 10027
Date Collected: 07/19/19 14:55
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%
TCLP/SPLP Ext. Date: 07/20/19 06:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	07/23/19 08:35	07/23/19 10:37	EPA 3015	1,6010D	LC
Barium, TCLP	0.521		mg/l	0.500	0.021	1	07/23/19 08:35	07/23/19 10:37	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	07/23/19 08:35	07/23/19 10:37	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	07/23/19 08:35	07/23/19 10:37	EPA 3015	1,6010D	LC
Lead, TCLP	0.094	J	mg/l	0.500	0.027	1	07/23/19 08:35	07/23/19 10:37	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/23/19 11:30	07/23/19 14:59	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	07/23/19 08:35	07/23/19 10:37	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	07/23/19 08:35	07/23/19 10:37	EPA 3015	1,6010D	LC

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-03 Date Collected: 07/19/19 14:55

Client ID: RAMP06_COMP01 Date Received: 07/19/19

Sample Location: NY, NY 10027 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1750		mg/kg	8.20	2.21	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.10	0.312	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Arsenic, Total	0.574	J	mg/kg	0.820	0.171	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Barium, Total	20.9		mg/kg	0.820	0.143	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Beryllium, Total	0.115	J	mg/kg	0.410	0.027	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.820	0.080	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Calcium, Total	1480		mg/kg	8.20	2.87	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Chromium, Total	4.31		mg/kg	0.820	0.079	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Cobalt, Total	2.08		mg/kg	1.64	0.136	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Copper, Total	7.79		mg/kg	0.820	0.212	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Iron, Total	4000		mg/kg	4.10	0.741	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Lead, Total	11.9		mg/kg	4.10	0.220	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Magnesium, Total	1130		mg/kg	8.20	1.26	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Manganese, Total	67.3		mg/kg	0.820	0.130	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.067	0.044	1	07/20/19 10:30	07/20/19 19:17	EPA 7471B	1,7471B	MG
Nickel, Total	5.20		mg/kg	2.05	0.198	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Potassium, Total	410		mg/kg	205	11.8	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.64	0.212	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.820	0.232	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Sodium, Total	55.0	J	mg/kg	164	2.58	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.64	0.258	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Vanadium, Total	6.72		mg/kg	0.820	0.166	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC
Zinc, Total	10.6		mg/kg	4.10	0.240	2	07/23/19 10:20	07/23/19 13:02	EPA 3050B	1,6010D	LC

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1262400-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	07/20/19 10:30	07/20/19 18:11	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1262736-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	07/23/19 08:35	07/23/19 10:01	1,6010D	LC
Barium, TCLP	ND		mg/l	0.500	0.021	1	07/23/19 08:35	07/23/19 10:01	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	07/23/19 08:35	07/23/19 10:01	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	07/23/19 08:35	07/23/19 10:01	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	07/23/19 08:35	07/23/19 10:01	1,6010D	LC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	07/23/19 08:35	07/23/19 10:01	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	07/23/19 08:35	07/23/19 10:01	1,6010D	LC

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 07/20/19 06:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1263221-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC

Project Name: 300 WEST 122ND STREET **Lab Number:** L1932145

Project Number: 170500202 **Report Date:** 07/23/19

Method Blank Analysis
Batch Quality Control

Copper, Total	ND		mg/kg	0.400	0.103	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Iron, Total	0.672	J	mg/kg	2.00	0.361	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Manganese, Total	0.412		mg/kg	0.400	0.064	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Sodium, Total	1.40	J	mg/kg	80.0	1.26	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	07/23/19 10:20	07/23/19 12:29	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1263280-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/23/19 11:30	07/23/19 14:43	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 07/20/19 06:42

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1932145

Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1262400-2 SRM Lot Number: D105-540								
Mercury, Total	101		-		60-141	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1262736-2								
Arsenic, TCLP	112		-		75-125	-		20
Barium, TCLP	107		-		75-125	-		20
Cadmium, TCLP	108		-		75-125	-		20
Chromium, TCLP	102		-		75-125	-		20
Lead, TCLP	105		-		75-125	-		20
Selenium, TCLP	108		-		75-125	-		20
Silver, TCLP	98		-		75-125	-		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1932145

Report Date: 07/23/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1263221-2 SRM Lot Number: D105-540					
Aluminum, Total	54	-	51-149	-	
Antimony, Total	149	-	19-249	-	
Arsenic, Total	99	-	70-130	-	
Barium, Total	84	-	75-125	-	
Beryllium, Total	95	-	75-125	-	
Cadmium, Total	94	-	75-125	-	
Calcium, Total	81	-	73-127	-	
Chromium, Total	86	-	70-130	-	
Cobalt, Total	94	-	75-125	-	
Copper, Total	88	-	75-125	-	
Iron, Total	69	-	38-162	-	
Lead, Total	91	-	71-128	-	
Magnesium, Total	78	-	63-137	-	
Manganese, Total	80	-	76-124	-	
Nickel, Total	95	-	70-131	-	
Potassium, Total	72	-	60-140	-	
Selenium, Total	95	-	63-137	-	
Silver, Total	87	-	69-131	-	
Sodium, Total	89	-	37-162	-	
Thallium, Total	93	-	68-132	-	
Vanadium, Total	85	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 300 WEST 122ND STREET

Project Number: 170500202

Lab Number: L1932145

Report Date: 07/23/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1263221-2 SRM Lot Number: D105-540					
Zinc, Total	95	-	70-130	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1263280-2					
Mercury, TCLP	92	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1262400-3 QC Sample: L1929938-01 Client ID: MS Sample												
Mercury, Total	0.586	0.569	0.955	**65**	Q	-	-		80-120	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1262736-3 QC Sample: L1932145-01 Client ID: WC02,4_COMP01												
Arsenic, TCLP	ND	1.2	1.34	112		-	-		75-125	-		20
Barium, TCLP	0.313J	20	21.8	109		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.549	108		-	-		75-125	-		20
Chromium, TCLP	ND	2	2.06	103		-	-		75-125	-		20
Lead, TCLP	0.029J	5.1	5.40	106		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.34	112		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.488	98		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1263221-3 QC Sample: L1932145-01 Client ID: WC02,4_COMP01										
Aluminum, Total	1180	164	1730	**336**	Q	-	-	75-125	-	20
Antimony, Total	ND	41	37.8	92		-	-	75-125	-	20
Arsenic, Total	0.534J	9.83	10.4	106		-	-	75-125	-	20
Barium, Total	13.3	164	166	93		-	-	75-125	-	20
Beryllium, Total	0.092J	4.1	4.17	102		-	-	75-125	-	20
Cadmium, Total	ND	4.18	4.02	96		-	-	75-125	-	20
Calcium, Total	1090	819	1870	95		-	-	75-125	-	20
Chromium, Total	2.93	16.4	19.3	100		-	-	75-125	-	20
Cobalt, Total	1.84	41	39.6	92		-	-	75-125	-	20
Copper, Total	5.95	20.5	26.1	98		-	-	75-125	-	20
Iron, Total	2880	81.9	4190	**1600**	Q	-	-	75-125	-	20
Lead, Total	8.72	41.8	47.2	92		-	-	75-125	-	20
Magnesium, Total	905	819	1820	112		-	-	75-125	-	20
Manganese, Total	65.6	41	109	106		-	-	75-125	-	20
Nickel, Total	4.78	41	42.8	93		-	-	75-125	-	20
Potassium, Total	275	819	1050	94		-	-	75-125	-	20
Selenium, Total	ND	9.83	9.40	96		-	-	75-125	-	20
Silver, Total	ND	24.6	23.2	94		-	-	75-125	-	20
Sodium, Total	32.3J	819	853	104		-	-	75-125	-	20
Thallium, Total	ND	9.83	9.04	92		-	-	75-125	-	20
Vanadium, Total	4.53	41	44.0	96		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1263221-3 QC Sample: L1932145-01 Client ID: WC02,4_COMP01										
Zinc, Total	8.11	41	112	**254**	Q	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1263280-3 QC Sample: L1931910-01 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0236	94		-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1262400-4 QC Sample: L1929938-01 Client ID: DUP Sample						
Mercury, Total	0.586	0.457	mg/kg	**25**	Q	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1262736-4 QC Sample: L1932145-01 Client ID: WC02,4_COMP01						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.313J	0.311J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.029J	0.034J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1263221-4 QC Sample: L1932145-01 Client ID: WC02,4_COMP01						
Aluminum, Total	1180	1150	mg/kg	3		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	0.534J	0.417J	mg/kg	NC		20
Barium, Total	13.3	14.0	mg/kg	5		20
Beryllium, Total	0.092J	0.100J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	1090	2110	mg/kg	**64**	Q	20
Chromium, Total	2.93	2.98	mg/kg	2		20
Cobalt, Total	1.84	1.88	mg/kg	2		20
Copper, Total	5.95	6.28	mg/kg	5		20
Iron, Total	2880	2680	mg/kg	7		20
Lead, Total	8.72	11.6	mg/kg	**28**	Q	20
Magnesium, Total	905	767	mg/kg	17		20
Manganese, Total	65.6	97.1	mg/kg	**39**	Q	20
Nickel, Total	4.78	4.53	mg/kg	5		20
Potassium, Total	275	264	mg/kg	4		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	32.3J	31.6J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1263221-4 QC Sample: L1932145-01 Client ID: WC02,4_COMP01					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	4.53	3.86	mg/kg	16	20
Zinc, Total	8.11	9.46	mg/kg	15	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1263280-4 QC Sample: L1931910-01 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-01
Client ID: WC02,4_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:45
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.6		%	0.100	NA	1	-	07/20/19 04:34	121,2540G	YA
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	07/22/19 16:40	1,9095B	AS

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-02
Client ID: WC02,4_COMP02
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:50
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.2		%	0.100	NA	1	-	07/20/19 04:34	121,2540G	YA
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	07/22/19 16:40	1,9095B	AS

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-03
Client ID: RAMP06_COMP01
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:55
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.1		%	0.100	NA	1	-	07/20/19 04:34	121,2540G	YA
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	07/22/19 16:40	1,9095B	AS

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-04
Client ID: WC02,4_EPH1
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:46
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.6		%	0.100	NA	1	-	07/20/19 04:34	121,2540G	YA

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-05
Client ID: WC02,4_EPH2
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:47
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	07/20/19 04:34	121,2540G	YA

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-06
Client ID: WC02,4_EPH3
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:51
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.5		%	0.100	NA	1	-	07/20/19 04:34	121,2540G	YA

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-07
Client ID: WC02,4_EPH4
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:52
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	07/20/19 04:34	121,2540G	YA

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-08
Client ID: RAMP6_EPH1
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:56
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.8		%	0.100	NA	1	-	07/20/19 04:34	121,2540G	YA

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1932145-09
Client ID: RAMP6_EPH2
Sample Location: NY, NY 10027

Date Collected: 07/19/19 14:57
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.5		%	0.100	NA	1	-	07/20/19 04:34	121,2540G	YA

Lab Duplicate Analysis
Batch Quality Control

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1262311-1 QC Sample: L1932186-01 Client ID: DUP Sample						
Solids, Total	94.8	94.9	%	0		20

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1932145-01A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L1932145-01B	Vial water preserved	A	NA		3.1	Y	Absent	20-JUL-19 01:46	NYTCL-8260HLW(14)
L1932145-01C	Vial water preserved	A	NA		3.1	Y	Absent	20-JUL-19 01:46	NYTCL-8260HLW(14)
L1932145-01D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1932145-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1932145-01F	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		TCLP-EXT-ZHE(14)
L1932145-01G	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1932145-01H	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1932145-01W	Amber 1000ml unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-8270(14),PEST-TCLP*(14)
L1932145-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1932145-01X9	Tumble Vessel	A	NA		3.1	Y	Absent		-
L1932145-01Y	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L1932145-01Z	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L1932145-02A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L1932145-02B	Vial water preserved	A	NA		3.1	Y	Absent	20-JUL-19 01:46	NYTCL-8260HLW(14)
L1932145-02C	Vial water preserved	A	NA		3.1	Y	Absent	20-JUL-19 01:46	NYTCL-8260HLW(14)
L1932145-02D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1932145-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1932145-02F	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		TCLP-EXT-ZHE(14)
L1932145-02G	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1932145-02H	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1932145-02W	Amber 1000ml unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-8270(14),PEST-TCLP*(14)
L1932145-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1932145-02X9	Tumble Vessel	A	NA		3.1	Y	Absent		-
L1932145-02Y	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L1932145-02Z	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L1932145-03A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L1932145-03B	Vial water preserved	A	NA		3.1	Y	Absent	20-JUL-19 01:46	NYTCL-8260HLW(14)
L1932145-03C	Vial water preserved	A	NA		3.1	Y	Absent	20-JUL-19 01:46	NYTCL-8260HLW(14)
L1932145-03D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1932145-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1932145-03F	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		TCLP-EXT-ZHE(14)
L1932145-03G	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1932145-03H	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),PAINTF(),NYTCL-8082(14)
L1932145-03W	Amber 1000ml unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-8270(14),PEST-TCLP*(14)
L1932145-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1932145-03X9	Tumble Vessel	A	NA		3.1	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: 300 WEST 122ND STREET
Project Number: 170500202

Lab Number: L1932145
Report Date: 07/23/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1932145-03Y	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L1932145-03Z	Vial unpreserved Extracts	A	NA		3.1	Y	Absent		TCLP-VOA(14)
L1932145-04A	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		TPH-GRO(14),NJEPH-TPH-CAT1(14),TS(7),TPH-DRO-D(14)
L1932145-04A9	Vial MeOH preserved split	A	NA		3.1	Y	Absent		TPH-GRO(14)
L1932145-05A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		TPH-GRO(14),NJEPH-TPH-CAT1(14),TS(7),TPH-DRO-D(14)
L1932145-05A9	Vial MeOH preserved split	A	NA		3.1	Y	Absent		TPH-GRO(14)
L1932145-06A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		TPH-GRO(14),NJEPH-TPH-CAT1(14),TS(7),TPH-DRO-D(14)
L1932145-06A9	Vial MeOH preserved split	A	NA		3.1	Y	Absent		TPH-GRO(14)
L1932145-07A	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		TPH-GRO(14),NJEPH-TPH-CAT1(14),TS(7),TPH-DRO-D(14)
L1932145-07A9	Vial MeOH preserved split	A	NA		3.1	Y	Absent		TPH-GRO(14)
L1932145-08A	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		TPH-GRO(14),NJEPH-TPH-CAT1(14),TS(7),TPH-DRO-D(14)
L1932145-08A9	Vial MeOH preserved split	A	NA		3.1	Y	Absent		TPH-GRO(14)
L1932145-09A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		TPH-GRO(14),NJEPH-TPH-CAT1(14),TS(7),TPH-DRO-D(14)
L1932145-09A9	Vial MeOH preserved split	A	NA		3.1	Y	Absent		TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name:	300 WEST 122ND STREET	**Lab Number:**	L1932145
Project Number:	170500202	**Report Date:**	07/23/19

GLOSSARY

Acronyms

DL - 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 limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

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).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

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.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

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.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

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.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	300 WEST 122ND STREET	**Lab Number:**	L1932145
Project Number:	170500202	**Report Date:**	07/23/19

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

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.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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.

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.

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.

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).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	300 WEST 122ND STREET	**Lab Number:**	L1932145
Project Number:	170500202	**Report Date:**	07/23/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
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.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, 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; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: 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 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 7/19/19

ALPHA Job #: L1932145

Client Information
Client: LANGAN, DPC
Address: 360 W. 31st St. Floor 8, NY, NY 10001
Phone: 212-479-5400
Fax:
Email: GWYKA@LANGAN.COM

Project Information
Project Name: 300 West 122nd Street
Project Location: NY, NY 10027
Project #: 170500202
(Use Project name as Project #) ☐
Project Manager: Greg Wyka
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date: 7/23/19
Rush (only if pre approved) ☒ # of Days: 2

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other TCL
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☒ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCLP VOCs	EPH DRO/GRO	TCL SVOCs, PCB, Pest, Herbicides	TCLP SVOCs, metals, pesticides	TAL Metals	Paint Filter	Total Bottle	Sample Specific Comments
32145-01	WC02,4_COMP01	7/19/19	1445	SOIL	AS	X	X		X	X	X	X		
-02	WC02,4_COMP02	↓	1450	↓	↓	X	X		X	X	X	X		
-03	RAMP06_COMP01	↓	1455	↓	↓	X	X		X	X	X	X		
-04	WC02,4_EPH1		1446					X						
-05	WC02,4_EPH2		1447					X						
-06	WC02,4_EPH3		1451					X						
-07	WC02,4_EPH4		1452					X						
-08	RAMP6_EPH1		1456					X						
-09	RAMP6_EPH2	↓	1457	↓	↓			X						

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

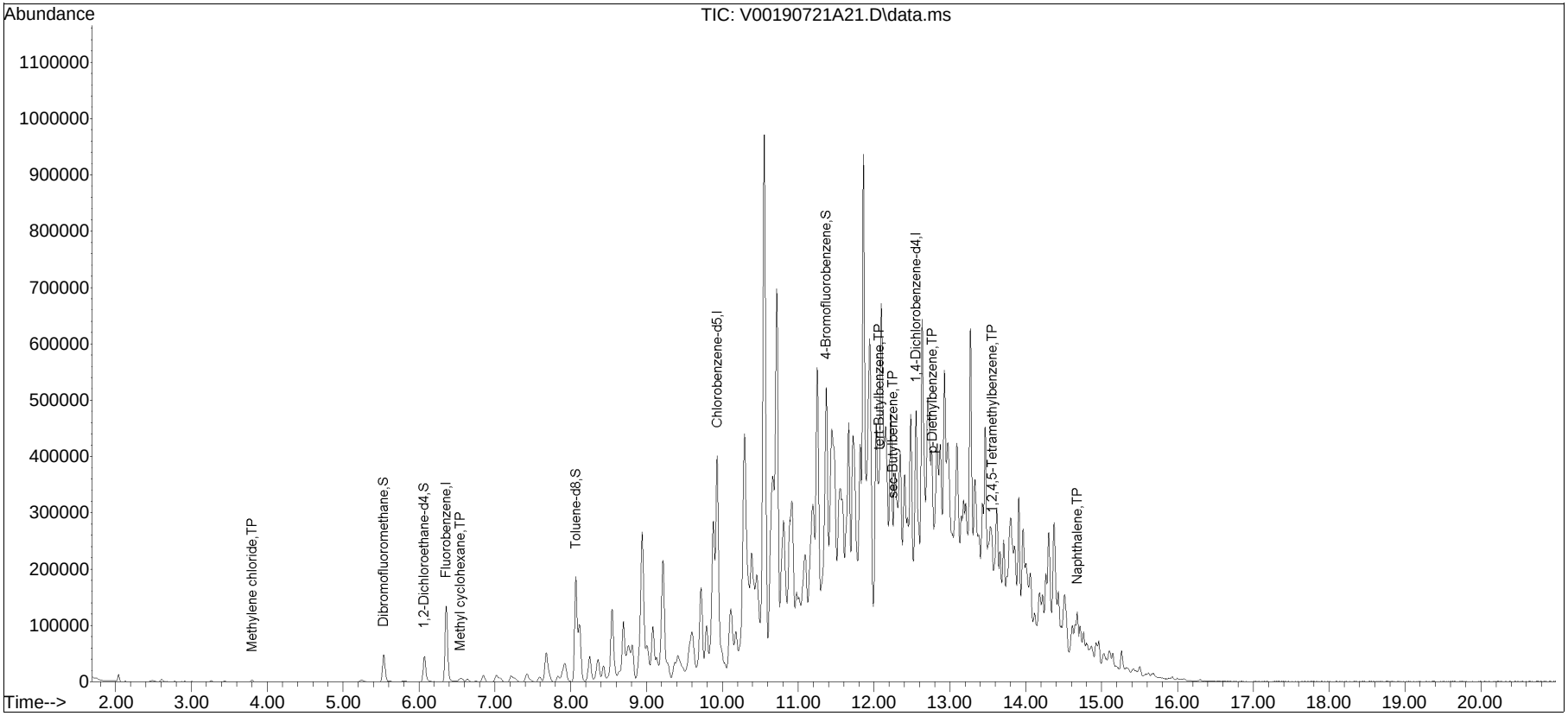
Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Stempenhorst	7/19/19 1630		
Reg Viegel RGV PS.	7/19/19 1800	RGV PS	7/19/19 1830
	7/19/19 22:30		7/19/19 19:30
			7/19/19 23:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA100\2019\190721A\
Data File : V00190721A21.D
Acq On : 21 Jul 2019 8:23 pm
Operator : VOA100:MV
Sample : l1932145-01D,31H,4.99,5,0.020,,a
Misc : WG1262731,ICAL15879
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 22 14:47:27 2019
Quant Method : I:\VOLATILES\VOA100\2019\190721A\V100_190614N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jun 17 12:25:42 2019
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox1A\V00190721A01.D•