

GEOPHYSICAL ENGINEERING SURVEY REPORT

Industrial Site

**2455 3rd Avenue,
Bronx, New York 10451**

NOVA PROJECT NUMBER:

19-1273

DATED:

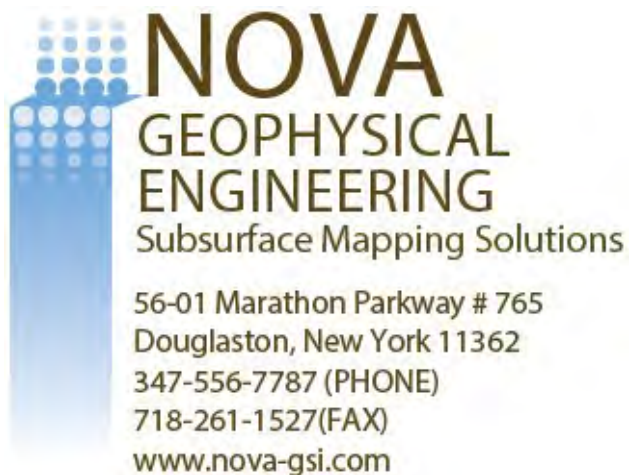
May 3, 2019

PREPARED FOR:

LANGAN

**21 Penn Plaza
360 West 31st Street, 8th Floor 4th Floor
New York, New York 10001-2727**

PREPARED BY:



NOVA GEOPHYSICAL SERVICES

SUBSURFACE MAPPING SOLUTIONS

56-01 Marathon Parkway #765, Douglaston, New York 11362
Ph. 347-556-7787 Fax. 718-261-1527
www.novagsi.com

May 3, 2019

Julia Leung
Project Engineer

LANGAN

21 Penn Plaza
360 West 31st Street, 8th Floor 4th Floor
New York, New York 10001-2727
P: 212.479.5400 | E: JLeung@langan.com

Re: Geophysical Engineering Survey (GES) Report
Industrial Site
2455 3rd Avenue,
Bronx, New York 10451

Dear Ms. Leung,

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 2455 3rd Avenue, Bronx, New York 10451 (the "Site").

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks and other substructures on April 24th, 2019.

The equipment selected for this investigation was a Sensors and Software Noggin 250 MHz ground penetrating radar (GPR) with a shielded antenna and a Radio Detection RD7100 Electromagnetic utility locator.

A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void,

GEOPHYSICAL ENGINEERING SURVEY REPORT

Industrial Site

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Bronx, New York 10451

steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

A typical electromagnetic (EM) utility locating system consists of a transmitter unit and a receiver unit. The receiver unit can be used independently of the transmitter unit in order to detect utility lines with an inherent EM signature (electric utility lines, water lines, etc.). If needed a current at a specific frequency can also be placed on a utility that is being located. This can be done via the transmitter unit by either direct connection or induction via an EM field varying at specific frequency. The receiver unit is then set to the selected frequency and the electromagnetic field created by the current running through the utility can be located allowing the utility to be marked.

GEOPHYSICAL METHODS

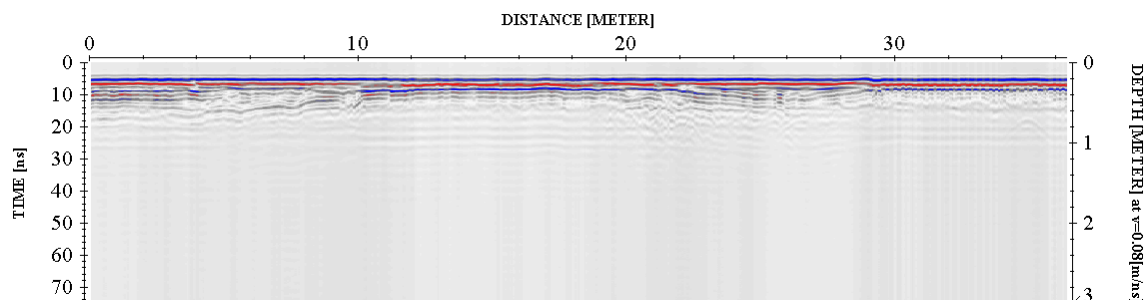
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

EM data was collected and interpreted on site and suspected utilities marked as needed. GPR data profiles were collected for the areas of the Site specified by the client and processed as specified below.

DATA PROCESSING

In order to improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing work flow is briefly described in this section.

Step 1. Import Raw RAMAC data to standard processing format

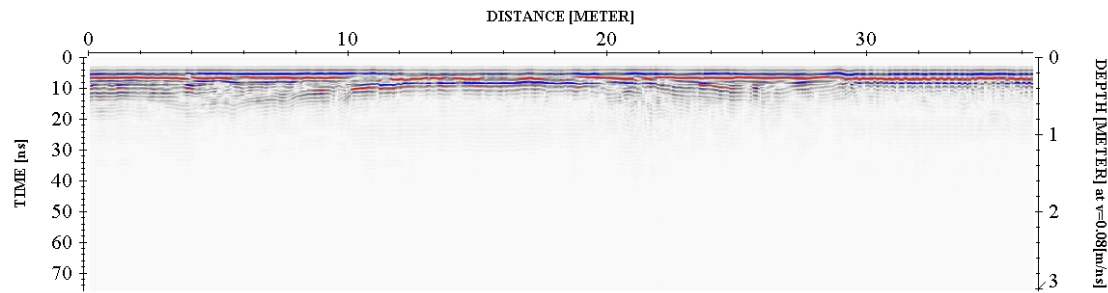


GEOPHYSICAL ENGINEERING SURVEY REPORT

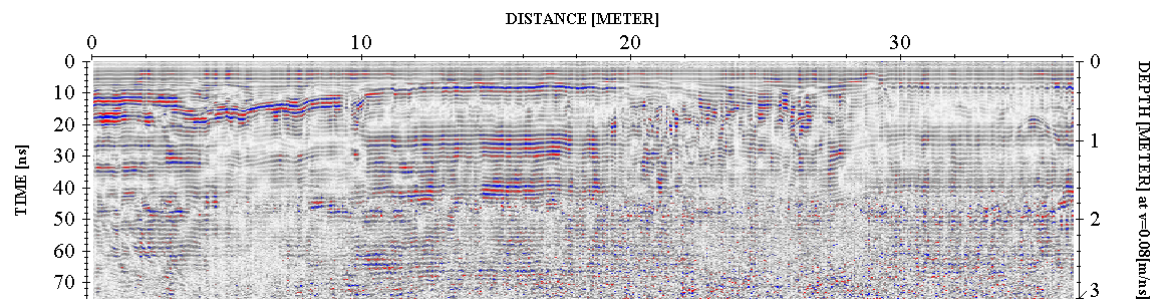
Industrial Site

2455 3rd Avenue,
Bronx, New York 10451

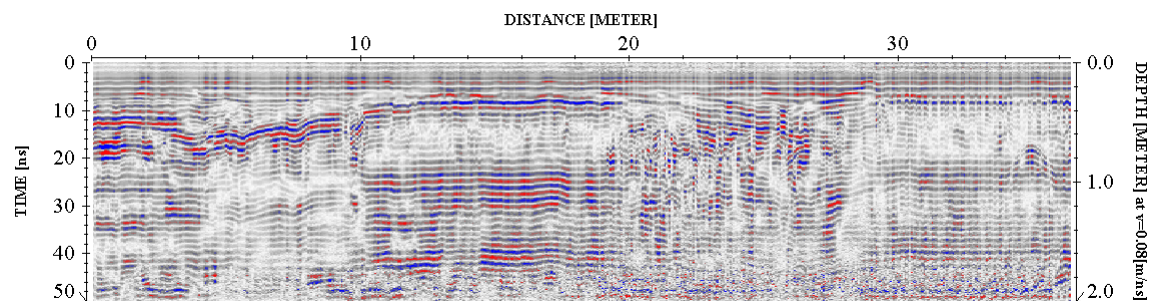
Step 2. Remove instrument noise (*dewow*)



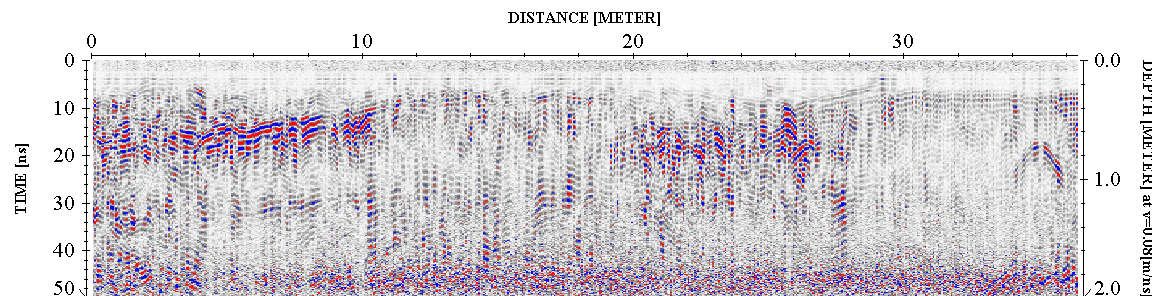
Step 3. Correct for attenuation losses (*energy decay function*)



Step 4. Remove static from bottom of profile (*time cut*)



Step 5. Mute horizontal ringing/noise (*subtracting average*)



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and represents the subsurface anomalies much more accurately.

PHYSICAL SETTINGS

NOVA observed the following physical conditions at the time of the survey.

Weather: Partly Cloudy

Temperature: 65° F

Surface: Concrete

Geophysical Noise Level (GNL): The GNL was high at the site. The noise was a result of the site being located in an urban environment.

RESULTS

The results of the geophysical engineering survey (GES) identified the following at the project site:

- Anomalies resembling potential subsurface utilities (such as drainage, sanitary sewer, water, gas, and electric) were identified during the GES. The approximate locations are shown in the survey plan.
- A large geophysical anomaly resembling a potential underground wastewater storage tank was identified. Shown on the survey plan.
- All detected subsurface anomalies were marked in the onsite mark out.
- All cleared boring locations were marked in the onsite mark out.

GEOPHYSICAL ENGINEERING SURVEY REPORT

Industrial Site

2455 3rd Avenue,
Bronx, New York 10451

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

NOVA Geophysical Services



Levent Eskicakit, P.G., E.P.

Project Engineer

Attachments:

Location Map

Survey Plan

Geophysical Images



Google Earth

1000 ft

NOVA Geophysical Services

Subsurface Mapping Solutions

56-01 Marathon Parkway, # 765
Douglaston, New York 11362

Phone (347) 556-7787 * Fax (718) 261-1527
www.novagsi.com

Location Map

SITE: **Industrial Site**
2455 3rd Avenue,
Bronx, New York 10451

CLIENT: Langan

DATE: April 24th, 2019

AUTH: Chris Steinley

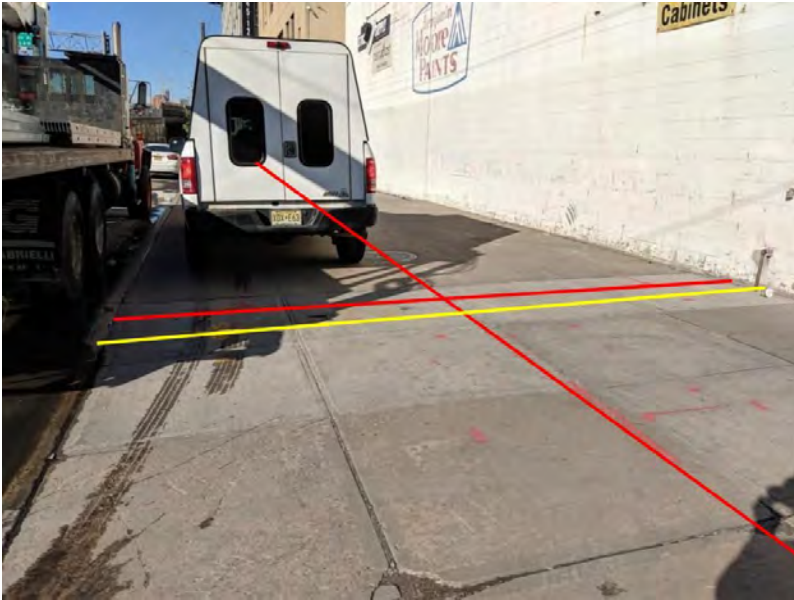
LEGEND



	SURVEY PLAN	LEGEND
NOVA Geophysical Services Subsurface Mapping Solutions 56-01 Marathon Parkway, # 765 Douglaston, New York 11362 Phone (347) 556-7787 * Fax (718) 261-1527 www.novagsi.com	SITE: Industrial Site 2455 3rd Avenue, Bronx, New York 10451 CLIENT: Langan DATE: April 24th, 2019 AUTH: Chris Steinley	Survey Area Water Gas Drainage Electric Sanitary Sewer Wastewater UST Drain

GEOPHYSICAL IMAGES

Industrial Site
2455 3rd Avenue,
Bronx, New York 10451
April 24th, 2019



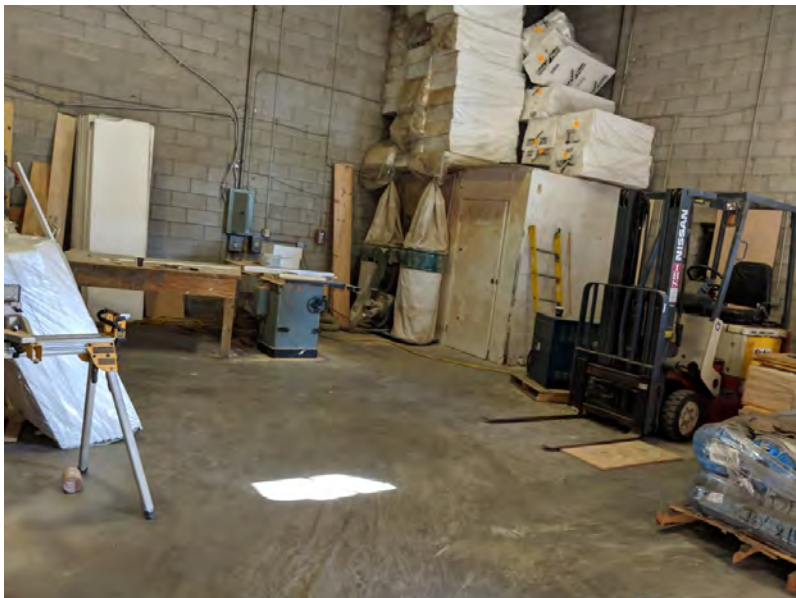
GEOPHYSICAL IMAGES

Industrial Site
2455 3rd Avenue,
Bronx, New York 10451
April 24th, 2019



GEOPHYSICAL IMAGES

Industrial Site
2455 3rd Avenue,
Bronx, New York 10451
April 24th, 2019



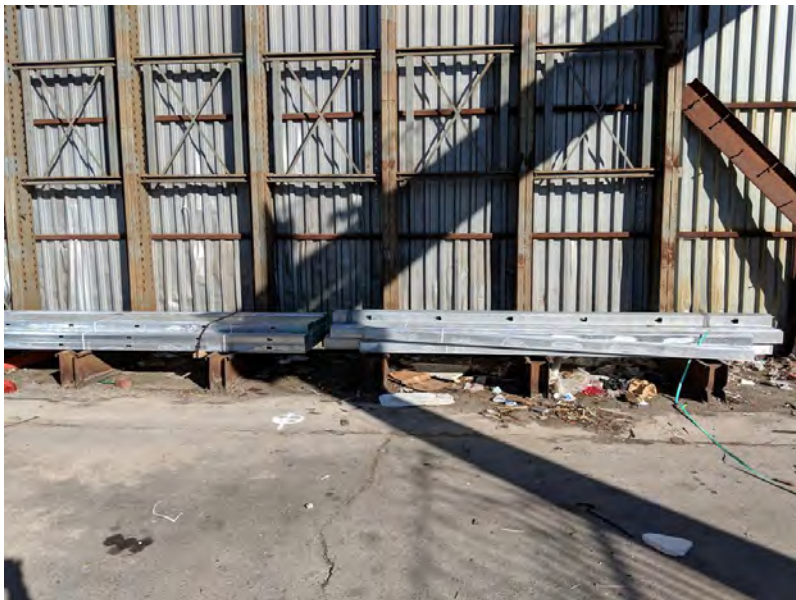
GEOPHYSICAL IMAGES

Industrial Site
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April 24th, 2019



GEOPHYSICAL IMAGES

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April 24th, 2019



GEOPHYSICAL IMAGES

Industrial Site
2455 3rd Avenue,
Bronx, New York 10451
April 24th, 2019





ANALYTICAL REPORT

Lab Number:	L1916941
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Julia Leung
Phone:	(212) 479-5400
Project Name:	2455 THIRD AVENUE
Project Number:	190051701
Report Date:	05/08/19

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: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1916941-01	TB01_042419	WATER	BRONX	04/24/19 00:00	04/24/19
L1916941-02	SB01_0-2	SOIL	BRONX	04/24/19 08:45	04/24/19
L1916941-03	SB01_6-8	SOIL	BRONX	04/24/19 08:50	04/24/19
L1916941-04	SB02_0-2	SOIL	BRONX	04/24/19 09:15	04/24/19
L1916941-05	SB02_6-8	SOIL	BRONX	04/24/19 09:20	04/24/19
L1916941-06	SB03_1-3	SOIL	BRONX	04/24/19 10:05	04/24/19
L1916941-07	SB03_5-7	SOIL	BRONX	04/24/19 10:10	04/24/19
L1916941-08	SB04_6-8	SOIL	BRONX	04/24/19 10:40	04/24/19
L1916941-09	SB04_9-11	SOIL	BRONX	04/24/19 10:50	04/24/19
L1916941-10	SB05_0-2	SOIL	BRONX	04/24/19 13:50	04/24/19
L1916941-11	SB05_6-8	SOIL	BRONX	04/24/19 13:55	04/24/19
L1916941-12	SB06_0-2	SOIL	BRONX	04/24/19 11:15	04/24/19
L1916941-13	SB06_9-11	SOIL	BRONX	04/24/19 11:20	04/24/19
L1916941-14	SB07_0-2	SOIL	BRONX	04/24/19 12:30	04/24/19
L1916941-15	SB07_9-11	SOIL	BRONX	04/24/19 12:40	04/24/19
L1916941-16	SB08_0-2	SOIL	BRONX	04/24/19 11:45	04/24/19
L1916941-17	SB08_9-11	SOIL	BRONX	04/24/19 11:55	04/24/19
L1916941-18	SB09_1-3	SOIL	BRONX	04/24/19 14:30	04/24/19
L1916941-19	SB09_9-11	SOIL	BRONX	04/24/19 14:35	04/24/19

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

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: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

Case Narrative (continued)

Report Submission

May 08, 2019: This final report includes the results of all requested analyses.

May 02, 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

L1916941-18: The internal standard (IS) responses for chlorobenzene-d5 (48%) and 1,4-dichlorobenzene-d4 (29%) and the surrogate recoveries for 1,2-dichloroethane-d4 (136%) and 4-bromofluorobenzene (132%) were outside the acceptance criteria; however, re-analysis achieved a similar result: 1,4-dichlorobenzene-d4 (39%). The results of both analyses are reported.

The WG1231824-10 Method Blank, associated with L1916941-16 and -18, has a concentration above the reporting limit for bromomethane. Since the samples were non-detect to the RL for this target analyte, no further actions were taken. The results of the original analysis are reported.

Semivolatile Organics

L1916941-08: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

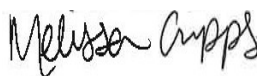
L1916941-02, -05, -07, -08, -10, -12, -14, -16 and -18: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Solids, Total

L1916941-05, -07 and -10: A Laboratory Duplicate was prepared with the sample batch; however, analysis of the native sample was cancelled; therefore, the QC result could not be 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:

 Melissa Cripps

Title: Technical Director/Representative

Date: 05/08/19

ORGANICS

VOLATILES

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-01
Client ID: TB01_042419
Sample Location: BRONX

Date Collected: 04/24/19 00:00
Date Received: 04/24/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/29/19 13:43
Analyst: PK

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: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-01**Date Collected:** 04/24/19 00:00**Client ID:** TB01_042419**Date Received:** 04/24/19**Sample Location:** BRONX**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
1,2-Dichloroethene, Total	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
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
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
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-01
Client ID: TB01_042419
Sample Location: BRONX

Date Collected: 04/24/19 00:00
Date Received: 04/24/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
1,4-Dioxane	ND		ug/l	250	61.	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-02
Client ID: SB01_0-2
Sample Location: BRONX

Date Collected: 04/24/19 08:45
Date Received: 04/24/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/19 22:23
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	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.94	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-02

Date Collected: 04/24/19 08:45

Client ID: SB01_0-2

Date Received: 04/24/19

Sample Location: BRONX

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	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	13		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	1.6	J	ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-02
Client ID: SB01_0-2
Sample Location: BRONX

Date Collected: 04/24/19 08:45
Date Received: 04/24/19
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	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	75	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	113		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-05
Client ID: SB02_6-8
Sample Location: BRONX

Date Collected: 04/24/19 09:20
Date Received: 04/24/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/19 22:49
Analyst: NLK
Percent Solids: 83%

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	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	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	0.17	1
Benzene	ND		ug/kg	0.53	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-05**Date Collected:** 04/24/19 09:20**Client ID:** SB02_6-8**Date Received:** 04/24/19**Sample Location:** BRONX**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	0.28	J	ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	55		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	8.1	J	ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	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	1.0	0.29	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	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	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	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-05
Client ID: SB02_6-8
Sample Location: BRONX

Date Collected: 04/24/19 09:20
Date Received: 04/24/19
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	1.0	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	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	113		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-07
Client ID: SB03_5-7
Sample Location: BRONX

Date Collected: 04/24/19 10:10
Date Received: 04/24/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/19 23:14
Analyst: NLK
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.91	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.91	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.91	0.11	1
Dibromochloromethane	ND		ug/kg	0.91	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	0.24	1
Tetrachloroethene	ND		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.45	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	ND		ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.91	0.49	1
Ethylbenzene	ND		ug/kg	0.91	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.91	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.91	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1

Project Name: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-07

Date Collected: 04/24/19 10:10

Client ID: SB03_5-7

Date Received: 04/24/19

Sample Location: BRONX

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	0.45	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	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.91	0.26	1
Xylenes, Total	ND		ug/kg	0.91	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.91	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.91	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.83	1
Acetone	39		ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.1	1
2-Butanone	4.2	J	ug/kg	9.1	2.0	1
Vinyl acetate	ND		ug/kg	9.1	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.1	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.91	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.91	0.15	1
sec-Butylbenzene	ND		ug/kg	0.91	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	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	0.90	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.91	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.91	0.10	1
Naphthalene	ND		ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-07
Client ID: SB03_5-7
Sample Location: BRONX

Date Collected: 04/24/19 10:10
Date Received: 04/24/19
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	0.91	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	72	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.5	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	114		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-08
Client ID: SB04_6-8
Sample Location: BRONX

Date Collected: 04/24/19 10:40
Date Received: 04/24/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/30/19 01:21
Analyst: NLK
Percent Solids: 89%

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	4.3	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	4.3	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	4.3	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	0.15	1

Project Name: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-08

Date Collected: 04/24/19 10:40

Client ID: SB04_6-8

Date Received: 04/24/19

Sample Location: BRONX

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	0.15	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	ND		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
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	19		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	0.22	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	0.12	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	4.2	J	ug/kg	4.3	0.69	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-08**Date Collected:** 04/24/19 10:40**Client ID:** SB04_6-8**Date Received:** 04/24/19**Sample Location:** BRONX**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
1,4-Dioxane	ND		ug/kg	85	37.	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	129		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	115		70-130

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-10

Date Collected: 04/24/19 13:50

Client ID: SB05_0-2

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/30/19 11:12

Analyst: JC

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	440	200	1
1,1-Dichloroethane	ND		ug/kg	88	13.	1
Chloroform	ND		ug/kg	130	12.	1
Carbon tetrachloride	ND		ug/kg	88	20.	1
1,2-Dichloropropane	ND		ug/kg	88	11.	1
Dibromochloromethane	ND		ug/kg	88	12.	1
1,1,2-Trichloroethane	ND		ug/kg	88	24.	1
Tetrachloroethene	ND		ug/kg	44	17.	1
Chlorobenzene	ND		ug/kg	44	11.	1
Trichlorofluoromethane	ND		ug/kg	350	61.	1
1,2-Dichloroethane	ND		ug/kg	88	23.	1
1,1,1-Trichloroethane	ND		ug/kg	44	15.	1
Bromodichloromethane	ND		ug/kg	44	9.6	1
trans-1,3-Dichloropropene	ND		ug/kg	88	24.	1
cis-1,3-Dichloropropene	ND		ug/kg	44	14.	1
1,3-Dichloropropene, Total	ND		ug/kg	44	14.	1
1,1-Dichloropropene	ND		ug/kg	44	14.	1
Bromoform	ND		ug/kg	350	22.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	44	15.	1
Benzene	ND		ug/kg	44	15.	1
Toluene	ND		ug/kg	88	48.	1
Ethylbenzene	17	J	ug/kg	88	12.	1
Chloromethane	ND		ug/kg	350	82.	1
Bromomethane	120	J	ug/kg	180	51.	1
Vinyl chloride	ND		ug/kg	88	30.	1
Chloroethane	ND		ug/kg	180	40.	1
1,1-Dichloroethene	ND		ug/kg	88	21.	1
trans-1,2-Dichloroethene	ND		ug/kg	130	12.	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-10

Date Collected: 04/24/19 13:50

Client ID: SB05_0-2

Date Received: 04/24/19

Sample Location: BRONX

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	44	12.	1
1,2-Dichlorobenzene	ND		ug/kg	180	13.	1
1,3-Dichlorobenzene	ND		ug/kg	180	13.	1
1,4-Dichlorobenzene	ND		ug/kg	180	15.	1
Methyl tert butyl ether	ND		ug/kg	180	18.	1
p/m-Xylene	ND		ug/kg	180	49.	1
o-Xylene	26	J	ug/kg	88	26.	1
Xylenes, Total	26	J	ug/kg	88	26.	1
cis-1,2-Dichloroethene	ND		ug/kg	88	15.	1
1,2-Dichloroethene, Total	ND		ug/kg	88	12.	1
Dibromomethane	ND		ug/kg	180	21.	1
Styrene	ND		ug/kg	88	17.	1
Dichlorodifluoromethane	ND		ug/kg	880	81.	1
Acetone	ND		ug/kg	880	420	1
Carbon disulfide	ND		ug/kg	880	400	1
2-Butanone	ND		ug/kg	880	200	1
Vinyl acetate	ND		ug/kg	880	190	1
4-Methyl-2-pentanone	ND		ug/kg	880	110	1
1,2,3-Trichloropropane	ND		ug/kg	180	11.	1
2-Hexanone	ND		ug/kg	880	100	1
Bromochloromethane	ND		ug/kg	180	18.	1
2,2-Dichloropropane	ND		ug/kg	180	18.	1
1,2-Dibromoethane	ND		ug/kg	88	25.	1
1,3-Dichloropropane	ND		ug/kg	180	15.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	44	12.	1
Bromobenzene	ND		ug/kg	180	13.	1
n-Butylbenzene	ND		ug/kg	88	15.	1
sec-Butylbenzene	ND		ug/kg	88	13.	1
tert-Butylbenzene	ND		ug/kg	180	10.	1
o-Chlorotoluene	ND		ug/kg	180	17.	1
p-Chlorotoluene	ND		ug/kg	180	9.5	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	260	88.	1
Hexachlorobutadiene	ND		ug/kg	350	15.	1
Isopropylbenzene	ND		ug/kg	88	9.6	1
p-Isopropyltoluene	27	J	ug/kg	88	9.6	1
Naphthalene	3500		ug/kg	350	57.	1
Acrylonitrile	ND		ug/kg	350	100	1

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-10
Client ID: SB05_0-2
Sample Location: BRONX

Date Collected: 04/24/19 13:50
Date Received: 04/24/19
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	88	15.	1
1,2,3-Trichlorobenzene	ND		ug/kg	180	28.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	24.	1
1,3,5-Trimethylbenzene	120	J	ug/kg	180	17.	1
1,2,4-Trimethylbenzene	190		ug/kg	180	29.	1
1,4-Dioxane	ND		ug/kg	7000	3100	1
p-Diethylbenzene	330		ug/kg	180	16.	1
p-Ethyltoluene	140	J	ug/kg	180	34.	1
1,2,4,5-Tetramethylbenzene	99	J	ug/kg	180	17.	1
Ethyl ether	ND		ug/kg	180	30.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	440	120	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	93		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-12
Client ID: SB06_0-2
Sample Location: BRONX

Date Collected: 04/24/19 11:15
Date Received: 04/24/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/19 23:39
Analyst: NLK
Percent Solids: 88%

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	0.13	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: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-12

Date Collected: 04/24/19 11:15

Client ID: SB06_0-2

Date Received: 04/24/19

Sample Location: BRONX

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	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	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	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.14	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	39		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	0.13	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	0.15	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	1.0	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	1.7	J	ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-12**Date Collected:** 04/24/19 11:15**Client ID:** SB06_0-2**Date Received:** 04/24/19**Sample Location:** BRONX**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	0.35	1
1,4-Dioxane	ND		ug/kg	85	37.	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	111		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-14
Client ID: SB07_0-2
Sample Location: BRONX

Date Collected: 04/24/19 12:30
Date Received: 04/24/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/30/19 00:04
Analyst: NLK
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	0.82		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-14

Date Collected: 04/24/19 12:30

Client ID: SB07_0-2

Date Received: 04/24/19

Sample Location: BRONX

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	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	26		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	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	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-14**Date Collected:** 04/24/19 12:30**Client ID:** SB07_0-2**Date Received:** 04/24/19**Sample Location:** BRONX**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	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	83	36.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	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	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	112		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-16
Client ID: SB08_0-2
Sample Location: BRONX

Date Collected: 04/24/19 11:45
Date Received: 04/24/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/30/19 11:10
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-16

Date Collected: 04/24/19 11:45

Client ID: SB08_0-2

Date Received: 04/24/19

Sample Location: BRONX

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	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	0.35	J	ug/kg	1.0	0.30	1
Xylenes, Total	0.35	J	ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	6.0	J	ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	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	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-16**Date Collected:** 04/24/19 11:45**Client ID:** SB08_0-2**Date Received:** 04/24/19**Sample Location:** BRONX**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	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	0.64	J	ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	0.45	J	ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	1.7	J	ug/kg	2.1	0.18	1
p-Ethyltoluene	0.40	J	ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	0.50	J	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	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	114		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-18
Client ID: SB09_1-3
Sample Location: BRONX

Date Collected: 04/24/19 14:30
Date Received: 04/24/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/30/19 00:55
Analyst: NLK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	2.3		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-18

Date Collected: 04/24/19 14:30

Client ID: SB09_1-3

Date Received: 04/24/19

Sample Location: BRONX

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	0.52	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	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	24		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	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	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	0.87	J	ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-18**Date Collected:** 04/24/19 14:30**Client ID:** SB09_1-3**Date Received:** 04/24/19**Sample Location:** BRONX**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	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	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	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	136	Q	70-130
Toluene-d8	117		70-130
4-Bromofluorobenzene	132	Q	70-130
Dibromofluoromethane	120		70-130

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-18 R

Date Collected: 04/24/19 14:30

Client ID: SB09_1-3

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/30/19 11:35

Analyst: JC

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	1.1		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-18 R

Date Collected: 04/24/19 14:30

Client ID: SB09_1-3

Date Received: 04/24/19

Sample Location: BRONX

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	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	24		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.77	1
Acrylonitrile	ND		ug/kg	4.7	1.4	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-18 R

Date Collected: 04/24/19 14:30

Client ID: SB09_1-3

Date Received: 04/24/19

Sample Location: BRONX

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	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	95	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	128		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	127		70-130
Dibromofluoromethane	118		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/29/19 09:42
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1231680-5					
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: 2455 THIRD AVENUE
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Method Blank Analysis
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 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1231680-5					
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
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
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
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
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 2455 THIRD AVENUE
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Analytical Method: 1,8260C
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Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1231680-5					
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
1,4-Dioxane	ND		ug/l	250	61.
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: 2455 THIRD AVENUE
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/30/19 10:45
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 16,18 Batch: WG1231824-10					
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	2.6		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: 2455 THIRD AVENUE
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Report Date: 05/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/30/19 10:45
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 16,18 Batch: WG1231824-10					
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
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
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

Project Name: 2455 THIRD AVENUE
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/30/19 10:45
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 16,18 Batch: WG1231824-10					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
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
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
1,4-Dioxane	ND		ug/kg	80	35.
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

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Analytical Method: 1,8260C
 Analytical Date: 04/29/19 17:12
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,05,07-08,12,14,18 Batch: WG1231824-5					
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: 2455 THIRD AVENUE
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Lab Number: L1916941
Report Date: 05/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,05,07-08,12,14,18 Batch: WG1231824-5					
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
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
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

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/19 17:12
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,05,07-08,12,14,18 Batch: WG1231824-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
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
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
1,4-Dioxane	ND		ug/kg	80	35.
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	109		70-130

Project Name: 2455 THIRD AVENUE
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/30/19 09:02
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s):				10	Batch: WG1231951-5
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	82	J	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: 2455 THIRD AVENUE
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/30/19 09:02
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s):				10	Batch: WG1231951-5
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
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
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

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/30/19 09:02
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s):				10	Batch: WG1231951-5
p-Chlorotoluene	ND		ug/kg	100	5.4
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	34	J	ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
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.
1,4-Dioxane	ND		ug/kg	4000	1800
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.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

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: WG1231680-3 WG1231680-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	84		85		63-132	1		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	96		99		63-130	3		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	86		85		62-150	1		20
1,2-Dichloroethane	94		95		70-130	1		20
1,1,1-Trichloroethane	93		93		67-130	0		20
Bromodichloromethane	99		96		67-130	3		20
trans-1,3-Dichloropropene	97		99		70-130	2		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	92		94		54-136	2		20
1,1,2,2-Tetrachloroethane	91		95		67-130	4		20
Benzene	110		100		70-130	10		20
Toluene	110		110		70-130	0		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	120		120		64-130	0		20
Bromomethane	99		100		39-139	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

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: WG1231680-3 WG1231680-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	96		94		55-138	2		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		110		70-130	10		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	83		84		63-130	1		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	93		100		70-130	7		20
Dibromomethane	96		92		70-130	4		20
1,2,3-Trichloropropane	98		100		64-130	2		20
Acrylonitrile	100		100		70-130	0		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	89		85		36-147	5		20
Acetone	110		120		58-148	9		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	110		84		63-138	27	Q	20
Vinyl acetate	81		80		70-130	1		20
4-Methyl-2-pentanone	98		100		59-130	2		20
2-Hexanone	91		93		57-130	2		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

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: WG1231680-3 WG1231680-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	94		91		63-133	3		20
1,2-Dibromoethane	96		97		70-130	1		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	99		100		64-130	1		20
Bromobenzene	99		100		70-130	1		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	89		89		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	87		87		41-144	0		20
Hexachlorobutadiene	98		99		63-130	1		20
Isopropylbenzene	100		110		70-130	10		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	94		96		70-130	2		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	110		120		70-130	9		20
1,2,4-Trichlorobenzene	110		110		70-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
1,4-Dioxane	148		146		56-162	1		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

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: WG1231680-3 WG1231680-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	98		100		70-130	2		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	83		81		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		86		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	96		95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05,07-08,12,14,18 Batch: WG1231824-3 WG1231824-4								
Methylene chloride	86		86		70-130	0		30
1,1-Dichloroethane	82		84		70-130	2		30
Chloroform	99		100		70-130	1		30
Carbon tetrachloride	104		104		70-130	0		30
1,2-Dichloropropane	76		77		70-130	1		30
Dibromochloromethane	96		95		70-130	1		30
1,1,2-Trichloroethane	87		88		70-130	1		30
Tetrachloroethene	88		86		70-130	2		30
Chlorobenzene	86		84		70-130	2		30
Trichlorofluoromethane	109		111		70-139	2		30
1,2-Dichloroethane	99		99		70-130	0		30
1,1,1-Trichloroethane	100		100		70-130	0		30
Bromodichloromethane	97		99		70-130	2		30
trans-1,3-Dichloropropene	94		93		70-130	1		30
cis-1,3-Dichloropropene	90		91		70-130	1		30
1,1-Dichloropropene	89		89		70-130	0		30
Bromoform	96		94		70-130	2		30
1,1,2,2-Tetrachloroethane	81		82		70-130	1		30
Benzene	85		86		70-130	1		30
Toluene	86		85		70-130	1		30
Ethylbenzene	87		86		70-130	1		30
Chloromethane	62		63		52-130	2		30
Bromomethane	154	Q	154	Q	57-147	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05,07-08,12,14,18 Batch: WG1231824-3 WG1231824-4								
Vinyl chloride	78		78		67-130	0		30
Chloroethane	93		92		50-151	1		30
1,1-Dichloroethene	83		83		65-135	0		30
trans-1,2-Dichloroethene	86		87		70-130	1		30
Trichloroethene	89		88		70-130	1		30
1,2-Dichlorobenzene	85		84		70-130	1		30
1,3-Dichlorobenzene	85		84		70-130	1		30
1,4-Dichlorobenzene	84		84		70-130	0		30
Methyl tert butyl ether	97		99		66-130	2		30
p/m-Xylene	85		84		70-130	1		30
o-Xylene	85		86		70-130	1		30
cis-1,2-Dichloroethene	87		87		70-130	0		30
Dibromomethane	94		96		70-130	2		30
Styrene	85		85		70-130	0		30
Dichlorodifluoromethane	83		85		30-146	2		30
Acetone	93		88		54-140	6		30
Carbon disulfide	83		85		59-130	2		30
2-Butanone	78		77		70-130	1		30
Vinyl acetate	77		77		70-130	0		30
4-Methyl-2-pentanone	75		73		70-130	3		30
1,2,3-Trichloropropane	91		92		68-130	1		30
2-Hexanone	72		70		70-130	3		30
Bromochloromethane	89		94		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05,07-08,12,14,18 Batch: WG1231824-3 WG1231824-4								
2,2-Dichloropropane	100		100		70-130	0		30
1,2-Dibromoethane	88		89		70-130	1		30
1,3-Dichloropropane	89		89		69-130	0		30
1,1,1,2-Tetrachloroethane	92		92		70-130	0		30
Bromobenzene	86		86		70-130	0		30
n-Butylbenzene	83		82		70-130	1		30
sec-Butylbenzene	82		82		70-130	0		30
tert-Butylbenzene	83		84		70-130	1		30
o-Chlorotoluene	98		98		70-130	0		30
p-Chlorotoluene	85		85		70-130	0		30
1,2-Dibromo-3-chloropropane	89		90		68-130	1		30
Hexachlorobutadiene	90		88		67-130	2		30
Isopropylbenzene	84		83		70-130	1		30
p-Isopropyltoluene	82		82		70-130	0		30
Naphthalene	83		83		70-130	0		30
Acrylonitrile	76		74		70-130	3		30
n-Propylbenzene	84		82		70-130	2		30
1,2,3-Trichlorobenzene	88		87		70-130	1		30
1,2,4-Trichlorobenzene	89		86		70-130	3		30
1,3,5-Trimethylbenzene	85		84		70-130	1		30
1,2,4-Trimethylbenzene	85		84		70-130	1		30
1,4-Dioxane	112		108		65-136	4		30
p-Diethylbenzene	82		81		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,05,07-08,12,14,18 Batch: WG1231824-3 WG1231824-4								
p-Ethyltoluene	84		84		70-130	0		30
1,2,4,5-Tetramethylbenzene	82		82		70-130	0		30
Ethyl ether	89		90		67-130	1		30
trans-1,4-Dichloro-2-butene	84		83		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		115		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	108		110		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 16,18 Batch: WG1231824-8 WG1231824-9								
Methylene chloride	83		82		70-130	1		30
1,1-Dichloroethane	82		82		70-130	0		30
Chloroform	98		97		70-130	1		30
Carbon tetrachloride	105		104		70-130	1		30
1,2-Dichloropropane	76		76		70-130	0		30
Dibromochloromethane	97		94		70-130	3		30
1,1,2-Trichloroethane	90		89		70-130	1		30
Tetrachloroethene	93		90		70-130	3		30
Chlorobenzene	89		86		70-130	3		30
Trichlorofluoromethane	116		115		70-139	1		30
1,2-Dichloroethane	97		95		70-130	2		30
1,1,1-Trichloroethane	102		100		70-130	2		30
Bromodichloromethane	97		96		70-130	1		30
trans-1,3-Dichloropropene	96		94		70-130	2		30
cis-1,3-Dichloropropene	89		88		70-130	1		30
1,1-Dichloropropene	92		88		70-130	4		30
Bromoform	100		98		70-130	2		30
1,1,2,2-Tetrachloroethane	86		84		70-130	2		30
Benzene	86		85		70-130	1		30
Toluene	89		88		70-130	1		30
Ethylbenzene	91		88		70-130	3		30
Chloromethane	70		70		52-130	0		30
Bromomethane	166	Q	170	Q	57-147	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 16,18 Batch: WG1231824-8 WG1231824-9								
Vinyl chloride	88		86		67-130	2		30
Chloroethane	101		97		50-151	4		30
1,1-Dichloroethene	89		86		65-135	3		30
trans-1,2-Dichloroethene	89		87		70-130	2		30
Trichloroethene	89		86		70-130	3		30
1,2-Dichlorobenzene	90		88		70-130	2		30
1,3-Dichlorobenzene	90		87		70-130	3		30
1,4-Dichlorobenzene	89		87		70-130	2		30
Methyl tert butyl ether	97		96		66-130	1		30
p/m-Xylene	89		86		70-130	3		30
o-Xylene	90		85		70-130	6		30
cis-1,2-Dichloroethene	88		88		70-130	0		30
Dibromomethane	92		94		70-130	2		30
Styrene	90		85		70-130	6		30
Dichlorodifluoromethane	114		112		30-146	2		30
Acetone	81		89		54-140	9		30
Carbon disulfide	89		88		59-130	1		30
2-Butanone	74		78		70-130	5		30
Vinyl acetate	72		74		70-130	3		30
4-Methyl-2-pentanone	75		75		70-130	0		30
1,2,3-Trichloropropane	93		94		68-130	1		30
2-Hexanone	72		71		70-130	1		30
Bromochloromethane	91		90		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 16,18 Batch: WG1231824-8 WG1231824-9								
2,2-Dichloropropane	101		100		70-130	1		30
1,2-Dibromoethane	93		91		70-130	2		30
1,3-Dichloropropane	91		90		69-130	1		30
1,1,1,2-Tetrachloroethane	94		92		70-130	2		30
Bromobenzene	92		87		70-130	6		30
n-Butylbenzene	89		85		70-130	5		30
sec-Butylbenzene	88		85		70-130	3		30
tert-Butylbenzene	89		86		70-130	3		30
o-Chlorotoluene	103		100		70-130	3		30
p-Chlorotoluene	91		87		70-130	4		30
1,2-Dibromo-3-chloropropane	94		95		68-130	1		30
Hexachlorobutadiene	99		95		67-130	4		30
Isopropylbenzene	88		86		70-130	2		30
p-Isopropyltoluene	88		85		70-130	3		30
Naphthalene	88		88		70-130	0		30
Acrylonitrile	74		73		70-130	1		30
n-Propylbenzene	88		85		70-130	3		30
1,2,3-Trichlorobenzene	92		89		70-130	3		30
1,2,4-Trichlorobenzene	92		88		70-130	4		30
1,3,5-Trimethylbenzene	90		88		70-130	2		30
1,2,4-Trimethylbenzene	90		88		70-130	2		30
1,4-Dioxane	101		101		65-136	0		30
p-Diethylbenzene	86		85		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 16,18 Batch: WG1231824-8 WG1231824-9								
p-Ethyltoluene	90		87		70-130	3		30
1,2,4,5-Tetramethylbenzene	86		84		70-130	2		30
Ethyl ether	92		91		67-130	1		30
trans-1,4-Dichloro-2-butene	83		83		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		115		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	101		99		70-130
Dibromofluoromethane	108		109		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 10 Batch: WG1231951-3 WG1231951-4								
Methylene chloride	92		91		70-130	1		30
1,1-Dichloroethane	104		103		70-130	1		30
Chloroform	96		95		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	108		107		70-130	1		30
Dibromochloromethane	92		93		70-130	1		30
1,1,2-Trichloroethane	98		101		70-130	3		30
Tetrachloroethene	86		84		70-130	2		30
Chlorobenzene	93		92		70-130	1		30
Trichlorofluoromethane	81		83		70-139	2		30
1,2-Dichloroethane	100		101		70-130	1		30
1,1,1-Trichloroethane	92		91		70-130	1		30
Bromodichloromethane	96		96		70-130	0		30
trans-1,3-Dichloropropene	102		102		70-130	0		30
cis-1,3-Dichloropropene	100		99		70-130	1		30
1,1-Dichloropropene	97		96		70-130	1		30
Bromoform	89		91		70-130	2		30
1,1,2,2-Tetrachloroethane	101		105		70-130	4		30
Benzene	98		96		70-130	2		30
Toluene	98		96		70-130	2		30
Ethylbenzene	99		97		70-130	2		30
Chloromethane	78		76		52-130	3		30
Bromomethane	107		107		57-147	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 10 Batch: WG1231951-3 WG1231951-4								
Vinyl chloride	81		81		67-130	0		30
Chloroethane	91		93		50-151	2		30
1,1-Dichloroethene	82		81		65-135	1		30
trans-1,2-Dichloroethene	88		86		70-130	2		30
Trichloroethene	93		92		70-130	1		30
1,2-Dichlorobenzene	94		93		70-130	1		30
1,3-Dichlorobenzene	95		95		70-130	0		30
1,4-Dichlorobenzene	94		93		70-130	1		30
Methyl tert butyl ether	89		91		66-130	2		30
p/m-Xylene	95		93		70-130	2		30
o-Xylene	95		93		70-130	2		30
cis-1,2-Dichloroethene	89		89		70-130	0		30
Dibromomethane	95		94		70-130	1		30
Styrene	92		91		70-130	1		30
Dichlorodifluoromethane	46		45		30-146	2		30
Acetone	97		97		54-140	0		30
Carbon disulfide	87		85		59-130	2		30
2-Butanone	114		113		70-130	1		30
Vinyl acetate	102		103		70-130	1		30
4-Methyl-2-pentanone	97		100		70-130	3		30
1,2,3-Trichloropropane	102		105		68-130	3		30
2-Hexanone	102		103		70-130	1		30
Bromochloromethane	89		88		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 10 Batch: WG1231951-3 WG1231951-4								
2,2-Dichloropropane	99		97		70-130	2		30
1,2-Dibromoethane	93		94		70-130	1		30
1,3-Dichloropropane	103		103		69-130	0		30
1,1,1,2-Tetrachloroethane	93		92		70-130	1		30
Bromobenzene	91		92		70-130	1		30
n-Butylbenzene	108		105		70-130	3		30
sec-Butylbenzene	103		100		70-130	3		30
tert-Butylbenzene	98		96		70-130	2		30
o-Chlorotoluene	105		105		70-130	0		30
p-Chlorotoluene	105		105		70-130	0		30
1,2-Dibromo-3-chloropropane	84		88		68-130	5		30
Hexachlorobutadiene	91		88		67-130	3		30
Isopropylbenzene	100		99		70-130	1		30
p-Isopropyltoluene	99		97		70-130	2		30
Naphthalene	93		94		70-130	1		30
Acrylonitrile	96		98		70-130	2		30
n-Propylbenzene	104		103		70-130	1		30
1,2,3-Trichlorobenzene	86		87		70-130	1		30
1,2,4-Trichlorobenzene	89		90		70-130	1		30
1,3,5-Trimethylbenzene	102		101		70-130	1		30
1,2,4-Trimethylbenzene	102		100		70-130	2		30
1,4-Dioxane	100		100		65-136	0		30
p-Diethylbenzene	98		96		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 10 Batch: WG1231951-3 WG1231951-4								
p-Ethyltoluene	101		100		70-130	1		30
1,2,4,5-Tetramethylbenzene	94		93		70-130	1		30
Ethyl ether	92		94		67-130	2		30
trans-1,4-Dichloro-2-butene	116		120		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		106		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	107		108		70-130
Dibromofluoromethane	97		96		70-130

SEMIVOLATILES

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-02
Client ID: SB01_0-2
Sample Location: BRONX

Date Collected: 04/24/19 08:45
Date Received: 04/24/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/30/19 02:17
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 04/28/19 15:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	230		ug/kg	140	19.	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	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	3400		ug/kg	110	21.	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	220	31.	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	230		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	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-02

Date Collected: 04/24/19 08:45

Client ID: SB01_0-2

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	1900		ug/kg	110	20.	1
Benzo(a)pyrene	1700		ug/kg	140	44.	1
Benzo(b)fluoranthene	2200		ug/kg	110	30.	1
Benzo(k)fluoranthene	720		ug/kg	110	29.	1
Chrysene	1800		ug/kg	110	19.	1
Acenaphthylene	260		ug/kg	140	28.	1
Anthracene	570		ug/kg	110	35.	1
Benzo(ghi)perylene	960		ug/kg	140	21.	1
Fluorene	180		ug/kg	180	17.	1
Phenanthrene	2300		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	260		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	140	25.	1
Pyrene	3000		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	74.	1
Dibenzofuran	170	J	ug/kg	180	17.	1
2-Methylnaphthalene	100	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	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	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	31	J	ug/kg	260	28.	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-02**Date Collected:** 04/24/19 08:45**Client ID:** SB01_0-2**Date Received:** 04/24/19**Sample Location:** BRONX**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	210		ug/kg	180	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	69		18-120

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-05
Client ID: SB02_6-8
Sample Location: BRONX

Date Collected: 04/24/19 09:20
Date Received: 04/24/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/29/19 20:50
Analyst: IM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 04/28/19 15:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	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	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	270		ug/kg	120	23.	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	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	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	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-05

Date Collected: 04/24/19 09:20

Client ID: SB02_6-8

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	140		ug/kg	120	22.	1
Benzo(a)pyrene	92	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	110	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	46	J	ug/kg	120	32.	1
Chrysene	130		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	65	J	ug/kg	120	39.	1
Benzo(ghi)perylene	55	J	ug/kg	160	23.	1
Fluorene	32	J	ug/kg	200	19.	1
Phenanthrene	210		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	55	J	ug/kg	160	28.	1
Pyrene	280		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	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	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	95.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-05

Date Collected: 04/24/19 09:20

Client ID: SB02_6-8

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	66		18-120

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-07
Client ID: SB03_5-7
Sample Location: BRONX

Date Collected: 04/24/19 10:10
Date Received: 04/24/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/29/19 21:15
Analyst: IM
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 04/28/19 15:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	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	37.	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
Fluoranthene	24	J	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	ND		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	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	71.	1
Butyl benzyl phthalate	ND		ug/kg	200	52.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	70.	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-07

Date Collected: 04/24/19 10:10

Client ID: SB03_5-7

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	22	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	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	85.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	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	77.	1
4-Nitrophenol	ND		ug/kg	290	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
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	36	J	ug/kg	290	32.	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-07

Date Collected: 04/24/19 10:10

Client ID: SB03_5-7

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	47		18-120

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-08 D

Date Collected: 04/24/19 10:40

Client ID: SB04_6-8

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 04/28/19 15:05

Analytical Date: 04/30/19 23:39

Analyst: SZ

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	6300		ug/kg	1500	190	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	210	10
Hexachlorobenzene	ND		ug/kg	1100	210	10
Bis(2-chloroethyl)ether	ND		ug/kg	1700	250	10
2-Chloronaphthalene	ND		ug/kg	1800	180	10
1,2-Dichlorobenzene	ND		ug/kg	1800	330	10
1,3-Dichlorobenzene	ND		ug/kg	1800	320	10
1,4-Dichlorobenzene	ND		ug/kg	1800	320	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	490	10
2,4-Dinitrotoluene	ND		ug/kg	1800	370	10
2,6-Dinitrotoluene	ND		ug/kg	1800	320	10
Fluoranthene	10000		ug/kg	1100	210	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	200	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	280	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	320	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2000	190	10
Hexachlorobutadiene	ND		ug/kg	1800	270	10
Hexachlorocyclopentadiene	ND		ug/kg	5300	1700	10
Hexachloroethane	ND		ug/kg	1500	300	10
Isophorone	ND		ug/kg	1700	240	10
Naphthalene	26000		ug/kg	1800	230	10
Nitrobenzene	ND		ug/kg	1700	280	10
NDPA/DPA	ND		ug/kg	1500	210	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	290	10
Bis(2-ethylhexyl)phthalate	5400		ug/kg	1800	640	10
Butyl benzyl phthalate	ND		ug/kg	1800	470	10
Di-n-butylphthalate	ND		ug/kg	1800	350	10
Di-n-octylphthalate	880	J	ug/kg	1800	630	10

Project Name: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-08 D

Date Collected: 04/24/19 10:40

Client ID: SB04_6-8

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1800	170	10
Dimethyl phthalate	ND		ug/kg	1800	390	10
Benzo(a)anthracene	4100		ug/kg	1100	210	10
Benzo(a)pyrene	3300		ug/kg	1500	450	10
Benzo(b)fluoranthene	4000		ug/kg	1100	310	10
Benzo(k)fluoranthene	1500		ug/kg	1100	300	10
Chrysene	3600		ug/kg	1100	190	10
Acenaphthylene	ND		ug/kg	1500	290	10
Anthracene	3600		ug/kg	1100	360	10
Benzo(ghi)perylene	1700		ug/kg	1500	220	10
Fluorene	5500		ug/kg	1800	180	10
Phenanthrene	15000		ug/kg	1100	230	10
Dibenzo(a,h)anthracene	390	J	ug/kg	1100	220	10
Indeno(1,2,3-cd)pyrene	1900		ug/kg	1500	260	10
Pyrene	8400		ug/kg	1100	180	10
Biphenyl	1800	J	ug/kg	4200	430	10
4-Chloroaniline	ND		ug/kg	1800	340	10
2-Nitroaniline	ND		ug/kg	1800	360	10
3-Nitroaniline	ND		ug/kg	1800	350	10
4-Nitroaniline	ND		ug/kg	1800	770	10
Dibenzofuran	5200		ug/kg	1800	180	10
2-Methylnaphthalene	9100		ug/kg	2200	220	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	190	10
Acetophenone	ND		ug/kg	1800	230	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	350	10
p-Chloro-m-cresol	ND		ug/kg	1800	280	10
2-Chlorophenol	ND		ug/kg	1800	220	10
2,4-Dichlorophenol	ND		ug/kg	1700	300	10
2,4-Dimethylphenol	ND		ug/kg	1800	610	10
2-Nitrophenol	ND		ug/kg	4000	700	10
4-Nitrophenol	ND		ug/kg	2600	760	10
2,4-Dinitrophenol	ND		ug/kg	8900	870	10
4,6-Dinitro-o-cresol	ND		ug/kg	4800	890	10
Pentachlorophenol	ND		ug/kg	1500	410	10
Phenol	ND		ug/kg	1800	280	10
2-Methylphenol	ND		ug/kg	1800	290	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2700	290	10

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-08 D

Date Collected: 04/24/19 10:40

Client ID: SB04_6-8

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1800	360	10
Benzoic Acid	ND		ug/kg	6000	1900	10
Benzyl Alcohol	ND		ug/kg	1800	570	10
Carbazole	670	J	ug/kg	1800	180	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	47		10-136
4-Terphenyl-d14	58		18-120

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-10 D

Date Collected: 04/24/19 13:50

Client ID: SB05_0-2

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 04/28/19 15:05

Analytical Date: 05/01/19 18:37

Analyst: EK

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	13000		ug/kg	740	95.	5
1,2,4-Trichlorobenzene	ND		ug/kg	920	100	5
Hexachlorobenzene	ND		ug/kg	550	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	830	120	5
2-Chloronaphthalene	ND		ug/kg	920	91.	5
1,2-Dichlorobenzene	ND		ug/kg	920	160	5
1,3-Dichlorobenzene	ND		ug/kg	920	160	5
1,4-Dichlorobenzene	ND		ug/kg	920	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	920	240	5
2,4-Dinitrotoluene	ND		ug/kg	920	180	5
2,6-Dinitrotoluene	ND		ug/kg	920	160	5
Fluoranthene	13000		ug/kg	550	100	5
4-Chlorophenyl phenyl ether	ND		ug/kg	920	98.	5
4-Bromophenyl phenyl ether	ND		ug/kg	920	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	990	92.	5
Hexachlorobutadiene	ND		ug/kg	920	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	830	5
Hexachloroethane	ND		ug/kg	740	150	5
Isophorone	ND		ug/kg	830	120	5
Naphthalene	21000		ug/kg	920	110	5
Nitrobenzene	ND		ug/kg	830	140	5
NDPA/DPA	ND		ug/kg	740	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	920	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	920	320	5
Butyl benzyl phthalate	ND		ug/kg	920	230	5
Di-n-butylphthalate	ND		ug/kg	920	170	5
Di-n-octylphthalate	ND		ug/kg	920	310	5

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-10 D

Date Collected: 04/24/19 13:50

Client ID: SB05_0-2

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	920	85.	5
Dimethyl phthalate	ND		ug/kg	920	190	5
Benzo(a)anthracene	3200		ug/kg	550	100	5
Benzo(a)pyrene	2400		ug/kg	740	220	5
Benzo(b)fluoranthene	3500		ug/kg	550	150	5
Benzo(k)fluoranthene	1100		ug/kg	550	150	5
Chrysene	4000		ug/kg	550	96.	5
Acenaphthylene	1200		ug/kg	740	140	5
Anthracene	11000		ug/kg	550	180	5
Benzo(ghi)perylene	1800		ug/kg	740	110	5
Fluorene	7200		ug/kg	920	89.	5
Phenanthrene	27000		ug/kg	550	110	5
Dibenzo(a,h)anthracene	300	J	ug/kg	550	110	5
Indeno(1,2,3-cd)pyrene	1600		ug/kg	740	130	5
Pyrene	10000		ug/kg	550	91.	5
Biphenyl	3500		ug/kg	2100	210	5
4-Chloroaniline	ND		ug/kg	920	170	5
2-Nitroaniline	ND		ug/kg	920	180	5
3-Nitroaniline	ND		ug/kg	920	170	5
4-Nitroaniline	ND		ug/kg	920	380	5
Dibenzofuran	7700		ug/kg	920	87.	5
2-Methylnaphthalene	13000		ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	920	96.	5
Acetophenone	ND		ug/kg	920	110	5
2,4,6-Trichlorophenol	ND		ug/kg	550	170	5
p-Chloro-m-cresol	ND		ug/kg	920	140	5
2-Chlorophenol	ND		ug/kg	920	110	5
2,4-Dichlorophenol	ND		ug/kg	830	150	5
2,4-Dimethylphenol	ND		ug/kg	920	300	5
2-Nitrophenol	ND		ug/kg	2000	340	5
4-Nitrophenol	ND		ug/kg	1300	380	5
2,4-Dinitrophenol	ND		ug/kg	4400	430	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	440	5
Pentachlorophenol	ND		ug/kg	740	200	5
Phenol	ND		ug/kg	920	140	5
2-Methylphenol	ND		ug/kg	920	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	140	5

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-10 D

Date Collected: 04/24/19 13:50

Client ID: SB05_0-2

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	920	180	5
Benzoic Acid	ND		ug/kg	3000	930	5
Benzyl Alcohol	ND		ug/kg	920	280	5
Carbazole	3300		ug/kg	920	89.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		25-120
Phenol-d6	26		10-120
Nitrobenzene-d5	37		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	33		10-136
4-Terphenyl-d14	35		18-120

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-12

Date Collected: 04/24/19 11:15

Client ID: SB06_0-2

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 04/28/19 15:05

Analytical Date: 04/29/19 22:30

Analyst: HL

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	570		ug/kg	150	19.	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	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	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	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	14000	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	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	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	330		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	2500		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	300		ug/kg	180	62.	1

Project Name: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-12

Date Collected: 04/24/19 11:15

Client ID: SB06_0-2

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	7600	E	ug/kg	110	21.	1
Benzo(a)pyrene	6100		ug/kg	150	45.	1
Benzo(b)fluoranthene	8100	E	ug/kg	110	31.	1
Benzo(k)fluoranthene	2800		ug/kg	110	29.	1
Chrysene	6400		ug/kg	110	19.	1
Acenaphthylene	440		ug/kg	150	28.	1
Anthracene	3100		ug/kg	110	36.	1
Benzo(ghi)perylene	3500		ug/kg	150	22.	1
Fluorene	830		ug/kg	180	18.	1
Phenanthrene	8600	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	960		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	3900		ug/kg	150	26.	1
Pyrene	12000	E	ug/kg	110	18.	1
Biphenyl	68	J	ug/kg	420	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	76.	1
Dibenzofuran	460		ug/kg	180	17.	1
2-Methylnaphthalene	300		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	74	J	ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	55	J	ug/kg	260	29.	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-12**Date Collected:** 04/24/19 11:15**Client ID:** SB06_0-2**Date Received:** 04/24/19**Sample Location:** BRONX**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	540		ug/kg	180	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	62		18-120

Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1916941**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-12 D

Client ID: SB06_0-2

Sample Location: BRONX

Date Collected: 04/24/19 11:15

Date Received: 04/24/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8270D

Analytical Date: 05/01/19 19:03

Analyst: EK

Percent Solids: 88%

Extraction Method: EPA 3546

Extraction Date: 04/28/19 15:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	17000		ug/kg	550	100	5
Benzo(a)anthracene	9200		ug/kg	550	100	5
Benzo(b)fluoranthene	10000		ug/kg	550	150	5
Phenanthrene	9400		ug/kg	550	110	5
Pyrene	14000		ug/kg	550	91.	5

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-14

Date Collected: 04/24/19 12:30

Client ID: SB07_0-2

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 04/28/19 15:05

Analytical Date: 04/29/19 22:56

Analyst: HL

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	210		ug/kg	140	18.	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	160	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	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	6200		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	210	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	150	J	ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	410		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-14

Date Collected: 04/24/19 12:30

Client ID: SB07_0-2

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	3600		ug/kg	100	19.	1
Benzo(a)pyrene	3300		ug/kg	140	42.	1
Benzo(b)fluoranthene	4100		ug/kg	100	29.	1
Benzo(k)fluoranthene	1600		ug/kg	100	28.	1
Chrysene	3200		ug/kg	100	18.	1
Acenaphthylene	260		ug/kg	140	27.	1
Anthracene	1000		ug/kg	100	34.	1
Benzo(ghi)perylene	1900		ug/kg	140	20.	1
Fluorene	240		ug/kg	170	17.	1
Phenanthrene	3000		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	500		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	2100		ug/kg	140	24.	1
Pyrene	5600		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	140	J	ug/kg	170	16.	1
2-Methylnaphthalene	83	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	830	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	48	J	ug/kg	250	27.	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-14

Date Collected: 04/24/19 12:30

Client ID: SB07_0-2

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	230		ug/kg	170	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	63		18-120

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-16

Date Collected: 04/24/19 11:45

Client ID: SB08_0-2

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 04/28/19 15:05

Analytical Date: 04/29/19 23:46

Analyst: HL

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	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	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	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	220	31.	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
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-16**Date Collected:** 04/24/19 11:45**Client ID:** SB08_0-2**Date Received:** 04/24/19**Sample Location:** BRONX**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		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	74.	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
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	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
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

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-16**Date Collected:** 04/24/19 11:45**Client ID:** SB08_0-2**Date Received:** 04/24/19**Sample Location:** BRONX**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	61		10-136
4-Terphenyl-d14	77		18-120

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-18
Client ID: SB09_1-3
Sample Location: BRONX

Date Collected: 04/24/19 14:30
Date Received: 04/24/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/29/19 23:21
Analyst: HL
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 04/28/19 15:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	260		ug/kg	150	19.	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
Fluoranthene	8200	E	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	330		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
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-18

Date Collected: 04/24/19 14:30

Client ID: SB09_1-3

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	4900		ug/kg	110	21.	1
Benzo(a)pyrene	5100		ug/kg	150	46.	1
Benzo(b)fluoranthene	6600		ug/kg	110	31.	1
Benzo(k)fluoranthene	2300		ug/kg	110	30.	1
Chrysene	4800		ug/kg	110	19.	1
Acenaphthylene	610		ug/kg	150	29.	1
Anthracene	1000		ug/kg	110	36.	1
Benzo(ghi)perylene	3600		ug/kg	150	22.	1
Fluorene	220		ug/kg	190	18.	1
Phenanthrene	4200		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	800		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	3700		ug/kg	150	26.	1
Pyrene	8000	E	ug/kg	110	18.	1
Biphenyl	48	J	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	77.	1
Dibenzofuran	190		ug/kg	190	18.	1
2-Methylnaphthalene	140	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	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	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	41	J	ug/kg	270	29.	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-18**Date Collected:** 04/24/19 14:30**Client ID:** SB09_1-3**Date Received:** 04/24/19**Sample Location:** BRONX**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	470		ug/kg	190	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	70		18-120

Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1916941**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-18 D

Client ID: SB09_1-3

Sample Location: BRONX

Date Collected: 04/24/19 14:30

Date Received: 04/24/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8270D

Analytical Date: 05/01/19 16:54

Analyst: EK

Percent Solids: 89%

Extraction Method: EPA 3546

Extraction Date: 04/28/19 15:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Fluoranthene	8700		ug/kg	560	110	5
Pyrene	8500		ug/kg	560	93.	5

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/29/19 08:26
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 04/28/19 15:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,05,07-08,10,12,14,16,18 Batch: WG1231282-1					
Acenaphthene	ND		ug/kg	130	17.
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.
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.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/29/19 08:26
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 04/28/19 15:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,05,07-08,10,12,14,16,18 Batch: WG1231282-1					
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.
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.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1916941
Report Date: 05/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/29/19 08:26
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 04/28/19 15:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,05,07-08,10,12,14,16,18 Batch: WG1231282-1					
4-Nitrophenol	ND		ug/kg	230	68.
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.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	83		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05,07-08,10,12,14,16,18 Batch: WG1231282-2 WG1231282-3								
Acenaphthene	87		80		31-137	8		50
1,2,4-Trichlorobenzene	82		76		38-107	8		50
Hexachlorobenzene	88		81		40-140	8		50
Bis(2-chloroethyl)ether	81		75		40-140	8		50
2-Chloronaphthalene	86		81		40-140	6		50
1,2-Dichlorobenzene	78		71		40-140	9		50
1,3-Dichlorobenzene	75		69		40-140	8		50
1,4-Dichlorobenzene	76		71		28-104	7		50
3,3'-Dichlorobenzidine	58		56		40-140	4		50
2,4-Dinitrotoluene	97		90		40-132	7		50
2,6-Dinitrotoluene	95		89		40-140	7		50
Fluoranthene	91		84		40-140	8		50
4-Chlorophenyl phenyl ether	87		80		40-140	8		50
4-Bromophenyl phenyl ether	91		83		40-140	9		50
Bis(2-chloroisopropyl)ether	84		78		40-140	7		50
Bis(2-chloroethoxy)methane	88		83		40-117	6		50
Hexachlorobutadiene	75		69		40-140	8		50
Hexachlorocyclopentadiene	85		79		40-140	7		50
Hexachloroethane	78		70		40-140	11		50
Isophorone	89		84		40-140	6		50
Naphthalene	81		75		40-140	8		50
Nitrobenzene	86		80		40-140	7		50
NDPA/DPA	93		85		36-157	9		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05,07-08,10,12,14,16,18 Batch: WG1231282-2 WG1231282-3								
n-Nitrosodi-n-propylamine	87		82		32-121	6		50
Bis(2-ethylhexyl)phthalate	90		85		40-140	6		50
Butyl benzyl phthalate	92		83		40-140	10		50
Di-n-butylphthalate	91		82		40-140	10		50
Di-n-octylphthalate	92		86		40-140	7		50
Diethyl phthalate	92		84		40-140	9		50
Dimethyl phthalate	89		84		40-140	6		50
Benzo(a)anthracene	90		85		40-140	6		50
Benzo(a)pyrene	90		85		40-140	6		50
Benzo(b)fluoranthene	89		83		40-140	7		50
Benzo(k)fluoranthene	90		84		40-140	7		50
Chrysene	88		84		40-140	5		50
Acenaphthylene	92		85		40-140	8		50
Anthracene	92		85		40-140	8		50
Benzo(ghi)perylene	87		81		40-140	7		50
Fluorene	90		83		40-140	8		50
Phenanthrene	88		83		40-140	6		50
Dibenzo(a,h)anthracene	88		82		40-140	7		50
Indeno(1,2,3-cd)pyrene	89		83		40-140	7		50
Pyrene	91		83		35-142	9		50
Biphenyl	91		86		54-104	6		50
4-Chloroaniline	66		64		40-140	3		50
2-Nitroaniline	98		93		47-134	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05,07-08,10,12,14,16,18 Batch: WG1231282-2 WG1231282-3								
3-Nitroaniline	72		71		26-129	1		50
4-Nitroaniline	94		86		41-125	9		50
Dibenzofuran	89		82		40-140	8		50
2-Methylnaphthalene	84		78		40-140	7		50
1,2,4,5-Tetrachlorobenzene	88		82		40-117	7		50
Acetophenone	88		83		14-144	6		50
2,4,6-Trichlorophenol	96		90		30-130	6		50
p-Chloro-m-cresol	92		86		26-103	7		50
2-Chlorophenol	87		81		25-102	7		50
2,4-Dichlorophenol	94		89		30-130	5		50
2,4-Dimethylphenol	92		88		30-130	4		50
2-Nitrophenol	94		85		30-130	10		50
4-Nitrophenol	102		91		11-114	11		50
2,4-Dinitrophenol	80		71		4-130	12		50
4,6-Dinitro-o-cresol	99		90		10-130	10		50
Pentachlorophenol	91		81		17-109	12		50
Phenol	81		75		26-90	8		50
2-Methylphenol	90		85		30-130.	6		50
3-Methylphenol/4-Methylphenol	92		87		30-130	6		50
2,4,5-Trichlorophenol	95		89		30-130	7		50
Benzoic Acid	81		62		10-110	27		50
Benzyl Alcohol	88		84		40-140	5		50
Carbazole	92		85		54-128	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05,07-08,10,12,14,16,18 Batch: WG1231282-2 WG1231282-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		69		25-120
Phenol-d6	78		72		10-120
Nitrobenzene-d5	78		71		23-120
2-Fluorobiphenyl	76		70		30-120
2,4,6-Tribromophenol	83		73		10-136
4-Terphenyl-d14	79		70		18-120

METALS

Project Name: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-02

Date Collected: 04/24/19 08:45

Client ID: SB01_0-2

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7450		mg/kg	8.30	2.24	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.15	0.316	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Arsenic, Total	4.49		mg/kg	0.830	0.173	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Barium, Total	30.6		mg/kg	0.830	0.144	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Beryllium, Total	0.307	J	mg/kg	0.415	0.027	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.830	0.081	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Calcium, Total	38600		mg/kg	8.30	2.91	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Chromium, Total	7.27		mg/kg	0.830	0.080	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Cobalt, Total	3.67		mg/kg	1.66	0.138	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Copper, Total	10.5		mg/kg	0.830	0.214	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Iron, Total	8660		mg/kg	4.15	0.750	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Lead, Total	7.09		mg/kg	4.15	0.222	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Magnesium, Total	12600		mg/kg	8.30	1.28	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Manganese, Total	173		mg/kg	0.830	0.132	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.069	0.015	1	04/26/19 09:30	04/30/19 19:18	EPA 7471B	1,7471B	EA
Nickel, Total	5.37		mg/kg	2.08	0.201	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Potassium, Total	768		mg/kg	208	12.0	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Selenium, Total	0.291	J	mg/kg	1.66	0.214	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.830	0.235	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Sodium, Total	886		mg/kg	166	2.62	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.66	0.262	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Vanadium, Total	10.1		mg/kg	0.830	0.168	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC
Zinc, Total	25.5		mg/kg	4.15	0.243	2	04/26/19 18:50	04/30/19 15:02	EPA 3050B	1,6010D	LC



Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-05

Date Collected: 04/24/19 09:20

Client ID: SB02_6-8

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7310		mg/kg	9.42	2.54	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Antimony, Total	0.810	J	mg/kg	4.71	0.358	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Arsenic, Total	5.79		mg/kg	0.942	0.196	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Barium, Total	166		mg/kg	0.942	0.164	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Beryllium, Total	0.405	J	mg/kg	0.471	0.031	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.942	0.092	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Calcium, Total	6610		mg/kg	9.42	3.30	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Chromium, Total	14.9		mg/kg	0.942	0.090	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Cobalt, Total	6.49		mg/kg	1.88	0.156	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Copper, Total	29.0		mg/kg	0.942	0.243	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Iron, Total	13200		mg/kg	4.71	0.850	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Lead, Total	355		mg/kg	4.71	0.252	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Magnesium, Total	4640		mg/kg	9.42	1.45	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Manganese, Total	191		mg/kg	0.942	0.150	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Mercury, Total	1.22		mg/kg	0.075	0.016	1	04/26/19 09:30	04/30/19 19:20	EPA 7471B	1,7471B	EA
Nickel, Total	12.2		mg/kg	2.35	0.228	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Potassium, Total	946		mg/kg	235	13.6	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Selenium, Total	1.09	J	mg/kg	1.88	0.243	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.942	0.266	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Sodium, Total	178	J	mg/kg	188	2.97	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.88	0.297	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Vanadium, Total	22.5		mg/kg	0.942	0.191	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC
Zinc, Total	110		mg/kg	4.71	0.276	2	04/26/19 18:50	04/30/19 15:06	EPA 3050B	1,6010D	LC



Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-07

Date Collected: 04/24/19 10:10

Client ID: SB03_5-7

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6110		mg/kg	9.43	2.55	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Antimony, Total	0.538	J	mg/kg	4.72	0.358	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Arsenic, Total	1.19		mg/kg	0.943	0.196	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Barium, Total	37.9		mg/kg	0.943	0.164	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Beryllium, Total	0.283	J	mg/kg	0.472	0.031	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.943	0.092	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Calcium, Total	1320		mg/kg	9.43	3.30	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Chromium, Total	9.81		mg/kg	0.943	0.091	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Cobalt, Total	4.22		mg/kg	1.89	0.156	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Copper, Total	8.40		mg/kg	0.943	0.243	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Iron, Total	10600		mg/kg	4.72	0.852	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Lead, Total	7.10		mg/kg	4.72	0.253	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Magnesium, Total	1630		mg/kg	9.43	1.45	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Manganese, Total	342		mg/kg	0.943	0.150	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Mercury, Total	0.029	J	mg/kg	0.078	0.016	1	04/26/19 09:30	04/30/19 19:22	EPA 7471B	1,7471B	EA
Nickel, Total	8.30		mg/kg	2.36	0.228	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Potassium, Total	411		mg/kg	236	13.6	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.89	0.243	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.943	0.267	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Sodium, Total	87.8	J	mg/kg	189	2.97	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.89	0.297	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Vanadium, Total	12.2		mg/kg	0.943	0.191	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC
Zinc, Total	21.3		mg/kg	4.72	0.276	2	04/26/19 18:50	04/30/19 15:10	EPA 3050B	1,6010D	LC



Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-08

Date Collected: 04/24/19 10:40

Client ID: SB04_6-8

Date Received: 04/24/19

Sample Location: BRONX

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	8750		mg/kg	8.79	2.37	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Antimony, Total	0.642	J	mg/kg	4.39	0.334	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Arsenic, Total	2.40		mg/kg	0.879	0.183	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Barium, Total	40.0		mg/kg	0.879	0.153	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Beryllium, Total	0.352	J	mg/kg	0.439	0.029	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.879	0.086	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Calcium, Total	20000		mg/kg	8.79	3.08	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Chromium, Total	12.0		mg/kg	0.879	0.084	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Cobalt, Total	5.36		mg/kg	1.76	0.146	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Copper, Total	10.1		mg/kg	0.879	0.227	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Iron, Total	12100		mg/kg	4.39	0.794	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Lead, Total	13.2		mg/kg	4.39	0.236	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Magnesium, Total	4320		mg/kg	8.79	1.35	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Manganese, Total	369		mg/kg	0.879	0.140	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Mercury, Total	0.050	J	mg/kg	0.071	0.015	1	04/26/19 09:30	04/30/19 19:24	EPA 7471B	1,7471B	EA
Nickel, Total	9.56		mg/kg	2.20	0.213	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Potassium, Total	846		mg/kg	220	12.6	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Selenium, Total	0.650	J	mg/kg	1.76	0.227	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.879	0.249	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Sodium, Total	282		mg/kg	176	2.77	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.76	0.277	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Vanadium, Total	16.5		mg/kg	0.879	0.178	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC
Zinc, Total	29.8		mg/kg	4.39	0.257	2	04/26/19 18:50	04/30/19 15:14	EPA 3050B	1,6010D	LC



Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-10

Date Collected: 04/24/19 13:50

Client ID: SB05_0-2

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7120		mg/kg	8.50	2.29	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Antimony, Total	0.807	J	mg/kg	4.25	0.323	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Arsenic, Total	3.80		mg/kg	0.850	0.177	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Barium, Total	115		mg/kg	0.850	0.148	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Beryllium, Total	0.374	J	mg/kg	0.425	0.028	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.850	0.083	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Calcium, Total	2710		mg/kg	8.50	2.97	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Chromium, Total	13.1		mg/kg	0.850	0.082	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Cobalt, Total	4.88		mg/kg	1.70	0.141	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Copper, Total	17.9		mg/kg	0.850	0.219	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Iron, Total	11600		mg/kg	4.25	0.767	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Lead, Total	312		mg/kg	4.25	0.228	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Magnesium, Total	2500		mg/kg	8.50	1.31	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Manganese, Total	358		mg/kg	0.850	0.135	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Mercury, Total	0.946		mg/kg	0.070	0.015	1	04/26/19 09:30	04/30/19 19:26	EPA 7471B	1,7471B	EA
Nickel, Total	10.3		mg/kg	2.12	0.206	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Potassium, Total	684		mg/kg	212	12.2	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Selenium, Total	0.535	J	mg/kg	1.70	0.219	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Silver, Total	2.34		mg/kg	0.850	0.240	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Sodium, Total	829		mg/kg	170	2.68	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.70	0.268	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Vanadium, Total	15.4		mg/kg	0.850	0.172	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC
Zinc, Total	102		mg/kg	4.25	0.249	2	04/26/19 18:50	04/30/19 15:19	EPA 3050B	1,6010D	LC



Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-12

Date Collected: 04/24/19 11:15

Client ID: SB06_0-2

Date Received: 04/24/19

Sample Location: BRONX

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	2690		mg/kg	8.49	2.29	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Antimony, Total	1.07	J	mg/kg	4.24	0.323	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Arsenic, Total	8.74		mg/kg	0.849	0.176	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Barium, Total	1000		mg/kg	0.849	0.148	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Beryllium, Total	0.119	J	mg/kg	0.424	0.028	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Cadmium, Total	0.229	J	mg/kg	0.849	0.083	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Calcium, Total	53200		mg/kg	84.9	29.7	20	04/26/19 18:50	04/30/19 18:09	EPA 3050B	1,6010D	LC
Chromium, Total	11.2		mg/kg	0.849	0.082	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Cobalt, Total	3.18		mg/kg	1.70	0.141	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Copper, Total	40.9		mg/kg	0.849	0.219	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Iron, Total	9200		mg/kg	4.24	0.767	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Lead, Total	2250		mg/kg	4.24	0.228	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Magnesium, Total	1630		mg/kg	8.49	1.31	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Manganese, Total	161		mg/kg	0.849	0.135	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Mercury, Total	0.576		mg/kg	0.071	0.015	1	04/26/19 09:30	04/30/19 19:28	EPA 7471B	1,7471B	EA
Nickel, Total	6.49		mg/kg	2.12	0.205	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Potassium, Total	370		mg/kg	212	12.2	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Selenium, Total	0.654	J	mg/kg	1.70	0.219	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.849	0.240	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Sodium, Total	233		mg/kg	170	2.67	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.70	0.267	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Vanadium, Total	10.2		mg/kg	0.849	0.172	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC
Zinc, Total	740		mg/kg	4.24	0.249	2	04/26/19 18:50	04/30/19 15:23	EPA 3050B	1,6010D	LC



Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-14

Date Collected: 04/24/19 12:30

Client ID: SB07_0-2

Date Received: 04/24/19

Sample Location: BRONX

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	3950		mg/kg	8.25	2.23	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Antimony, Total	5.15		mg/kg	4.12	0.314	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Arsenic, Total	6.10		mg/kg	0.825	0.172	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Barium, Total	136		mg/kg	0.825	0.144	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Beryllium, Total	0.157	J	mg/kg	0.412	0.027	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Cadmium, Total	0.487	J	mg/kg	0.825	0.081	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Calcium, Total	10900		mg/kg	8.25	2.89	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Chromium, Total	13.6		mg/kg	0.825	0.079	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Cobalt, Total	3.78		mg/kg	1.65	0.137	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Copper, Total	90.1		mg/kg	0.825	0.213	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Iron, Total	14000		mg/kg	4.12	0.745	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Lead, Total	516		mg/kg	4.12	0.221	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Magnesium, Total	3670		mg/kg	8.25	1.27	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Manganese, Total	233		mg/kg	0.825	0.131	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Mercury, Total	1.71		mg/kg	0.066	0.014	1	04/26/19 09:30	04/30/19 19:30	EPA 7471B	1,7471B	EA
Nickel, Total	12.9		mg/kg	2.06	0.200	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Potassium, Total	484		mg/kg	206	11.9	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Selenium, Total	0.388	J	mg/kg	1.65	0.213	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Silver, Total	0.338	J	mg/kg	0.825	0.234	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Sodium, Total	194		mg/kg	165	2.60	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.65	0.260	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Vanadium, Total	50.1		mg/kg	0.825	0.168	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC
Zinc, Total	318		mg/kg	4.12	0.242	2	04/26/19 18:50	04/30/19 15:27	EPA 3050B	1,6010D	LC



Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-16

Date Collected: 04/24/19 11:45

Client ID: SB08_0-2

Date Received: 04/24/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6010		mg/kg	8.40	2.27	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Antimony, Total	4.52		mg/kg	4.20	0.319	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Arsenic, Total	6.48		mg/kg	0.840	0.175	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Barium, Total	172		mg/kg	0.840	0.146	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Beryllium, Total	0.252	J	mg/kg	0.420	0.028	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Cadmium, Total	0.143	J	mg/kg	0.840	0.082	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Calcium, Total	11800		mg/kg	8.40	2.94	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Chromium, Total	17.4		mg/kg	0.840	0.081	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Cobalt, Total	4.62		mg/kg	1.68	0.139	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Copper, Total	160		mg/kg	0.840	0.217	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Iron, Total	25000		mg/kg	4.20	0.759	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Lead, Total	457		mg/kg	4.20	0.225	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Magnesium, Total	5050		mg/kg	8.40	1.29	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Manganese, Total	322		mg/kg	0.840	0.134	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Mercury, Total	0.449		mg/kg	0.070	0.015	1	04/26/19 09:30	04/30/19 19:32	EPA 7471B	1,7471B	EA
Nickel, Total	13.5		mg/kg	2.10	0.203	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Potassium, Total	495		mg/kg	210	12.1	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Selenium, Total	0.504	J	mg/kg	1.68	0.217	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.840	0.238	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Sodium, Total	580		mg/kg	168	2.65	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.68	0.265	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Vanadium, Total	23.9		mg/kg	0.840	0.170	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC
Zinc, Total	365		mg/kg	4.20	0.246	2	04/26/19 18:50	04/30/19 15:31	EPA 3050B	1,6010D	LC



Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**SAMPLE RESULTS**

Lab ID: L1916941-18

Date Collected: 04/24/19 14:30

Client ID: SB09_1-3

Date Received: 04/24/19

Sample Location: BRONX

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	5920		mg/kg	8.62	2.33	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Antimony, Total	2.13	J	mg/kg	4.31	0.328	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Arsenic, Total	4.52		mg/kg	0.862	0.179	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Barium, Total	353		mg/kg	0.862	0.150	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Beryllium, Total	0.207	J	mg/kg	0.431	0.028	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Cadmium, Total	0.198	J	mg/kg	0.862	0.085	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Calcium, Total	54300		mg/kg	86.2	30.2	20	04/26/19 18:50	04/30/19 18:39	EPA 3050B	1,6010D	LC
Chromium, Total	13.8		mg/kg	0.862	0.083	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Cobalt, Total	4.60		mg/kg	1.72	0.143	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Copper, Total	68.3		mg/kg	0.862	0.222	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Iron, Total	11400		mg/kg	4.31	0.779	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Lead, Total	486		mg/kg	4.31	0.231	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Magnesium, Total	5230		mg/kg	8.62	1.33	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Manganese, Total	202		mg/kg	0.862	0.137	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Mercury, Total	0.816		mg/kg	0.070	0.015	1	04/26/19 09:30	04/30/19 19:34	EPA 7471B	1,7471B	EA
Nickel, Total	12.4		mg/kg	2.16	0.209	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Potassium, Total	673		mg/kg	216	12.4	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Selenium, Total	0.224	J	mg/kg	1.72	0.222	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.862	0.244	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Sodium, Total	252		mg/kg	172	2.72	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.72	0.272	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Vanadium, Total	23.4		mg/kg	0.862	0.175	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC
Zinc, Total	288		mg/kg	4.31	0.253	2	04/26/19 18:50	04/30/19 15:35	EPA 3050B	1,6010D	LC



Project Name: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

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): 02,05,07-08,10,12,14,16,18 Batch: WG1230529-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	04/26/19 09:30	04/30/19 18:39	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): 02,05,07-08,10,12,14,16,18 Batch: WG1230879-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Iron, Total	ND		mg/kg	2.00	0.361	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Manganese, Total	ND		mg/kg	0.400	0.064	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Sodium, Total	ND		mg/kg	80.0	1.26	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB
Zinc, Total	ND		mg/kg	2.00	0.117	1	04/26/19 18:50	04/26/19 21:56	1,6010D	AB

Project Name: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1916941**Report Date:** 05/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,05,07-08,10,12,14,16,18 Batch: WG1230529-2 SRM Lot Number: D101-540								
Mercury, Total	106		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,05,07-08,10,12,14,16,18 Batch: WG1230879-2 SRM Lot Number: D101-540					
Aluminum, Total	87	-	50-151	-	
Antimony, Total	192	-	3-196	-	
Arsenic, Total	109	-	83-117	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	100	-	83-117	-	
Cadmium, Total	107	-	83-117	-	
Calcium, Total	96	-	81-119	-	
Chromium, Total	100	-	81-118	-	
Cobalt, Total	110	-	84-116	-	
Copper, Total	92	-	83-116	-	
Iron, Total	101	-	62-138	-	
Lead, Total	108	-	83-117	-	
Magnesium, Total	98	-	76-124	-	
Manganese, Total	107	-	82-118	-	
Nickel, Total	105	-	82-117	-	
Potassium, Total	99	-	71-130	-	
Selenium, Total	111	-	79-121	-	
Silver, Total	96	-	80-120	-	
Sodium, Total	100	-	72-127	-	
Thallium, Total	110	-	81-119	-	
Vanadium, Total	104	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1916941**Report Date:** 05/08/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,05,07-08,10,12,14,16,18 Batch: WG1230879-2 SRM Lot Number: D101-540					
Zinc, Total	110	-	81-119	-	

Matrix Spike Analysis Batch Quality Control

Project Name: 2455 THIRD AVENUE

Lab Number: L1916941

Project Number: 190051701

Report Date: 05/08/19

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): 02,05,07-08,10,12,14,16,18 QC Batch ID: WG1230529-3 WG1230529-4 QC Sample: L1916934-06 Client ID: MS Sample												
Mercury, Total	0.041J	0.158	0.238	150	Q	0.279	177	Q	80-120	16		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

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): 02,05,07-08,10,12,14,16,18 QC Batch ID: WG1230879-3 WG1230879-4 QC Sample: L1917198-58 Client ID: MS Sample											
Aluminum, Total	5920	192	6680	395	Q	6670	392	Q	75-125	0	20
Antimony, Total	0.855J	48	45.7	95		45.3	95		75-125	1	20
Arsenic, Total	4.22	11.5	15.7	100		15.6	99		75-125	1	20
Barium, Total	48.0	192	220	89		218	89		75-125	1	20
Beryllium, Total	0.293	4.8	4.55	88		4.49	88		75-125	1	20
Cadmium, Total	0.326J	4.9	4.88	100		4.86	100		75-125	0	20
Calcium, Total	693	961	1560	90		1570	92		75-125	1	20
Chromium, Total	7.21	19.2	24.6	90		24.2	89		75-125	2	20
Cobalt, Total	5.84	48	51.0	94		50.9	94		75-125	0	20
Copper, Total	7.87	24	28.5	86		28.5	86		75-125	0	20
Iron, Total	11000	96.1	11500	520	Q	11600	627	Q	75-125	1	20
Lead, Total	19.0	49	64.9	94		65.1	94		75-125	0	20
Magnesium, Total	1970	961	2990	106		2970	104		75-125	1	20
Manganese, Total	474	48	498	50	Q	524	104		75-125	5	20
Nickel, Total	11.7	48	54.7	89		54.4	89		75-125	1	20
Potassium, Total	508	961	1410	94		1410	94		75-125	0	20
Selenium, Total	ND	11.5	11.5	100		11.3	98		75-125	2	20
Silver, Total	ND	28.8	23.9	83		23.7	82		75-125	1	20
Sodium, Total	20.0J	961	889	92		884	92		75-125	1	20
Thallium, Total	ND	11.5	10.6	92		10.5	91		75-125	1	20
Vanadium, Total	9.37	48	52.4	90		51.8	89		75-125	1	20

Matrix Spike Analysis
Batch Quality Control**Project Name:** 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1916941**Report Date:** 05/08/19

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): 02,05,07-08,10,12,14,16,18 QC Batch ID: WG1230879-3 WG1230879-4 QC Sample: L1917198-58 Client ID: MS Sample									
Zinc, Total	50.7	48	99.8	102	101	105	75-125	1	20

INORGANICS & MISCELLANEOUS

Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1916941**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-02**Client ID:** SB01_0-2**Sample Location:** BRONX**Date Collected:** 04/24/19 08:45**Date Received:** 04/24/19**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	-	04/26/19 09:50	121,2540G	JK



Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1916941**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-05**Client ID:** SB02_6-8**Sample Location:** BRONX**Date Collected:** 04/24/19 09:20**Date Received:** 04/24/19**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	83.1		%	0.100	NA	1	-	04/25/19 18:34	121,2540G	RI



Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1916941**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-07**Client ID:** SB03_5-7**Sample Location:** BRONX**Date Collected:** 04/24/19 10:10**Date Received:** 04/24/19**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	80.8		%	0.100	NA	1	-	04/25/19 18:34	121,2540G	RI



Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1916941**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-08**Client ID:** SB04_6-8**Sample Location:** BRONX**Date Collected:** 04/24/19 10:40**Date Received:** 04/24/19**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	88.9		%	0.100	NA	1	-	04/26/19 09:50	121,2540G	JK



Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1916941

Report Date: 05/08/19

SAMPLE RESULTS

Lab ID: L1916941-10

Client ID: SB05_0-2

Sample Location: BRONX

Date Collected: 04/24/19 13:50

Date Received: 04/24/19

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	89.7		%	0.100	NA	1	-	04/25/19 18:34	121,2540G	RI



Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1916941**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-12**Client ID:** SB06_0-2**Sample Location:** BRONX**Date Collected:** 04/24/19 11:15**Date Received:** 04/24/19**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	88.3		%	0.100	NA	1	-	04/26/19 09:50	121,2540G	JK



Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1916941**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-14**Client ID:** SB07_0-2**Sample Location:** BRONX**Date Collected:** 04/24/19 12:30**Date Received:** 04/24/19**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	94.9		%	0.100	NA	1	-	04/26/19 09:50	121,2540G	JK



Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1916941**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-16**Client ID:** SB08_0-2**Sample Location:** BRONX**Date Collected:** 04/24/19 11:45**Date Received:** 04/24/19**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	90.3		%	0.100	NA	1	-	04/26/19 09:50	121,2540G	JK



Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1916941**Report Date:** 05/08/19**SAMPLE RESULTS****Lab ID:** L1916941-18**Client ID:** SB09_1-3**Sample Location:** BRONX**Date Collected:** 04/24/19 14:30**Date Received:** 04/24/19**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	89.0		%	0.100	NA	1	-	04/26/19 09:50	121,2540G	JK



Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1916941
Report Date: 05/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,08,12,14,16,18 QC Batch ID: WG1230662-1 QC Sample: L1916888-01 Client ID: DUP Sample						
Solids, Total	93.0	91.6	%	2		20

Project Name: 2455 THIRD AVENUE**Lab Number:** L1916941**Project Number:** 190051701**Report Date:** 05/08/19**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(*)
L1916941-01A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260(14)
L1916941-01B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260(14)
L1916941-02A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1916941-02B	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-02C	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-02D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L1916941-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	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)
L1916941-02F	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14)
L1916941-03A	Vial MeOH preserved	A	NA		2.5	Y	Absent		HOLD-8260HLW(14)
L1916941-03B	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-03C	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-03D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		HOLD-WETCHEM()
L1916941-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		HOLD-METAL(180)
L1916941-03F	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14)
L1916941-04A	Vial MeOH preserved	B	NA		3.0	Y	Absent		HOLD-8260HLW(14)
L1916941-04B	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-04C	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-04D	Plastic 2oz unpreserved for TS	B	NA		3.0	Y	Absent		HOLD-WETCHEM()
L1916941-04E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	Y	Absent		HOLD-METAL(180)

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Serial_No: 05081909:45
Lab Number: L1916941
Report Date: 05/08/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1916941-04F	Glass 500ml/16oz unpreserved	B	NA		3.0	Y	Absent		HOLD-CONTINGENCY(14)
L1916941-05A	Vial MeOH preserved	B	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L1916941-05B	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-05C	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-05D	Plastic 2oz unpreserved for TS	B	NA		3.0	Y	Absent		TS(7)
L1916941-05E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	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)
L1916941-05F	Glass 500ml/16oz unpreserved	B	NA		3.0	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14)
L1916941-06A	Vial MeOH preserved	B	NA		3.0	Y	Absent		HOLD-8260HLW(14)
L1916941-06B	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-06C	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-06D	Plastic 2oz unpreserved for TS	B	NA		3.0	Y	Absent		HOLD-WETCHEM()
L1916941-06E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	Y	Absent		HOLD-METAL(180)
L1916941-06F	Glass 500ml/16oz unpreserved	B	NA		3.0	Y	Absent		HOLD-CONTINGENCY(14)
L1916941-07A	Vial MeOH preserved	B	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L1916941-07B	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-07C	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-07D	Plastic 2oz unpreserved for TS	B	NA		3.0	Y	Absent		TS(7)
L1916941-07E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	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)
L1916941-07F	Glass 500ml/16oz unpreserved	B	NA		3.0	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14)
L1916941-08A	Vial MeOH preserved	B	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L1916941-08B	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-08C	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-08D	Plastic 2oz unpreserved for TS	B	NA		3.0	Y	Absent		TS(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1916941-08E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	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)
L1916941-08F	Glass 500ml/16oz unpreserved	B	NA		3.0	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14)
L1916941-09A	Vial MeOH preserved	B	NA		3.0	Y	Absent		HOLD-8260HLW(14)
L1916941-09B	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-09C	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-09D	Plastic 2oz unpreserved for TS	B	NA		3.0	Y	Absent		HOLD-WETCHEM()
L1916941-09E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	Y	Absent		HOLD-METAL(180)
L1916941-09F	Glass 500ml/16oz unpreserved	B	NA		3.0	Y	Absent		HOLD-CONTINGENCY(14)
L1916941-10A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1916941-10B	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-10C	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-10D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L1916941-10E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	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)
L1916941-10F	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14)
L1916941-11A	Vial MeOH preserved	A	NA		2.5	Y	Absent		HOLD-8260HLW(14)
L1916941-11B	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-11C	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-11D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		HOLD-WETCHEM()
L1916941-11E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		HOLD-METAL(180)
L1916941-11F	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14)
L1916941-12A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1916941-12B	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-12C	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1916941-12D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L1916941-12E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	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)
L1916941-12F	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14)
L1916941-13A	Vial MeOH preserved	A	NA		2.5	Y	Absent		HOLD-8260HLW(14)
L1916941-13B	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-13C	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-13D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		HOLD-WETCHEM()
L1916941-13E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		HOLD-METAL(180)
L1916941-13F	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14)
L1916941-14A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1916941-14B	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-14C	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-14D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L1916941-14E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	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)
L1916941-14F	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14)
L1916941-15A	Vial MeOH preserved	B	NA		3.0	Y	Absent		HOLD-8260HLW(14)
L1916941-15B	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-15C	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-15D	Plastic 2oz unpreserved for TS	B	NA		3.0	Y	Absent		HOLD-WETCHEM()
L1916941-15E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	Y	Absent		HOLD-METAL(180)
L1916941-15F	Glass 500ml/16oz unpreserved	B	NA		3.0	Y	Absent		HOLD-CONTINGENCY(14)
L1916941-16A	Vial MeOH preserved	B	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L1916941-16B	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)

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L1916941-16C	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-16D	Plastic 2oz unpreserved for TS	B	NA		3.0	Y	Absent		TS(7)
L1916941-16E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	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)
L1916941-16F	Glass 500ml/16oz unpreserved	B	NA		3.0	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14)
L1916941-17A	Vial MeOH preserved	B	NA		3.0	Y	Absent		HOLD-8260HLW(14)
L1916941-17B	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-17C	Vial water preserved	B	NA		3.0	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-17D	Plastic 2oz unpreserved for TS	B	NA		3.0	Y	Absent		HOLD-WETCHEM()
L1916941-17E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	Y	Absent		HOLD-METAL(180)
L1916941-17F	Glass 500ml/16oz unpreserved	B	NA		3.0	Y	Absent		HOLD-CONTINGENCY(14)
L1916941-18A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1916941-18B	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-18C	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	NYTCL-8260HLW(14)
L1916941-18D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L1916941-18E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	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)
L1916941-18F	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14)
L1916941-19A	Vial MeOH preserved	A	NA		2.5	Y	Absent		HOLD-8260HLW(14)
L1916941-19B	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-19C	Vial water preserved	A	NA		2.5	Y	Absent	25-APR-19 07:35	HOLD-8260HLW(14)
L1916941-19D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		HOLD-WETCHEM()
L1916941-19E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		HOLD-METAL(180)
L1916941-19F	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14)

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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.
LCS D	- 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



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- 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



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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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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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, 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, **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 3		Date Rec'd in Lab 4/24/19		ALPHA Job # L1916941																																																																																																																																																																																																																					
	Project Information Project Name: 2455 Third Avenue Project Location: Bronx Project # 190051701 (Use Project name as Project #) ☐ Project Manager: Julia Lang 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 #																																																																																																																																																																																																																					
	Client Information Client: Langer Address: 360 W 31st St Fl NY NY 10001 Phone: 212 479-5400 Fax: Email: jlang@langer.com				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:																																																																																																																																																																																																																					
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Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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					Relinquished By: Date/Time Received By: Date/Time		Relinquished By: Date/Time Received By: Date/Time																																																																																																																																																																																																																					
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ALPHA Job #
L1916941

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Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-8220
FAX: 508-898-9193

NEW YORK CHAIN OF CUSTODY

Mansfield, MA 02048
325 Forbes Blvd
TEL: 508-822-0300
FAX: 508-822-3288

Service Centers

Mohwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 102

Page 2
of 3

Date Rec'd
in Lab

ALPHA Job #

Client Information

Client: Levy
Address: 260 W 37th St 11th Fl
NY NY 10001
Phone: 212 471 5400
Fax:
Email: leah@levy.com

Project Information

Project Name: 2455 Third Avenue
Project Location: Bruck
Project # 190051701
(Use Project name as Project #) ☐
Project Manager: Julia Levy
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre-approved) ☐ # of Days:

Deliverables

☒ ASP-A ☒ ASP-B
☐ EQulS (1 File) ☐ EQulS (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)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials											Sample Specific Comments
		Date	Time													
	SR04-G-0	4/20/17	1040	S	K6	✓	✓									run VOCs, SVOCs, metlas, Hold PCBs, pest, TCLP metals
	SR04-G-1	4/20/17	1050	S	K6	✓	✓									Hold
	SR04-G-2	4/20/17	1050	S	K6	✓	✓									Hold
	SR05-G-0	4/20/17	1330	S	K6	✓	✓									Hold
	SR05-G-1	4/20/17	1330	S	K6	✓	✓									Hold
	SR05-G-2	4/20/17	1330	S	K6	✓	✓									Hold
	SR05-G-3	4/20/17	1330	S	K6	✓	✓									Hold
	SR05-G-4	4/20/17	1330	S	K6	✓	✓									Hold
	SR06-G-0	4/20/17	1115	S	K6	✓	✓									run VOCs, SVOCs, metlas, Hold PCBs, pest, TCLP metals
	SR06-G-1	4/20/17	1115	S	K6	✓	✓									Hold
	SR06-G-2	4/20/17	1120	S	K6	✓	✓									Hold

Preservative Code:

A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
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

Form No: 01-25 HC (rev. 30-Sept-2013)

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 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	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 3 of 3		Date Rec'd in Lab 4/24/19				ALPHA Job # L1916941									
			Project Information					Deliverables					Billing Information					
			Project Name: 2455 Third Avenue Project Location: Bronx Project # 19051701 (Use Project name as Project #) ☐ Project Manager: Jana Lamy ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:					☒ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other					☒ Same as Client Info PO #					
Client Information					Regulatory Requirement					Disposal Site Information								
Client: Lamy Address: 360 W 31st St 8th Fl Phone: 212 474-5400 Fax: Email: j.lamy@lamy.com					☐ NY TOGS ☒ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge					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								
					See w/2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 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644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000					☐ Done ☐ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below)					Total Bottle			
Sample Specific Comments																		
ALPHA Lab ID (Lab Use Only)		Sample ID	Collection		Sample Matrix	Sampler's Initials												
			Date	Time														
16941-14		SB07-0-2	4/24/19	1230	S	K6	✓	✓									HOLD	
-15		SB07-9-11	4/24/19	1240	S	K6	✓	✓									HOLD	
-15		SB07-9-11	4/24/19	1240	S	K6	✓	✓									HOLD	
-16		SB08-0-2	4/24/19	1145	S	K6	✓	✓									HOLD	
-17		SB08-9-11	4/24/19	1155	S	K6	✓	✓									HOLD	
-17		SB08-7-11	4/24/19	1155	S	K6	✓	✓									HOLD	

NEW YORK CHAIN OF CUSTODY		Service Center Albany, NY 12242, 18 Albany Way Troy, NY 12180, 275 Capital Ave, Suite 100		Page 1 of 1	Date Rec'd in Lab	Alpha Job #																																												
Client Information Client: <u>Albany County</u> Address: <u>100 State St</u> Phone: <u>518-486-9400</u> Fax: <u>518-486-9400</u> Email: <u>info@albanycountyny.gov</u>		Project Information Project Name: <u>2015-16-17 Albany</u> Project Location: <u>Albany</u> Project # <u>100-1-1</u> (Use Project name as Project #) ☐ Project Manager: <u>Albany County</u> Turn Around Time: <u>Standard</u> Rush (only if pre-approved) ☐ Due Date: <u>8 of Days</u>		Deliverables ☒ ASP-A ☐ ASP-B ☐ EQUS (1 File) ☐ EQUS (8 Files) ☐ Other: _____ Regulatory Requirement ☐ NY TOSB ☒ NY Part 175 ☒ ARO Standards ☐ NY CR-11 ☐ NY Restricted Use ☐ Other: _____ ☐ NY Unrestricted Use ☐ Other: _____ ☐ NYC Sewer Discharge		Billing Information Bill To: <u>Same as Client Info</u> Bill # _____ Dispose Site Information Please identify below location of Application/Deposit location: Disposal Facility: ☐ NJ ☐ NY ☐ Other: _____																																												
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: _____ Please specify Metals or TAL: _____		ANALYSIS <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Collection</th> <th>Sample Matrix</th> <th>Sampler's Initials</th> <th>Analysis</th> </tr> </thead> <tbody> <tr> <td>15-1-1-1</td> <td>15-1-1-1</td> <td>15-1-1-1</td> <td>15-1-1-1</td> <td>run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals</td> </tr> <tr> <td>15-1-1-2</td> <td>15-1-1-2</td> <td>15-1-1-2</td> <td>15-1-1-2</td> <td>run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals</td> </tr> <tr> <td>15-1-1-3</td> <td>15-1-1-3</td> <td>15-1-1-3</td> <td>15-1-1-3</td> <td>run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals</td> </tr> <tr> <td>15-1-1-4</td> <td>15-1-1-4</td> <td>15-1-1-4</td> <td>15-1-1-4</td> <td>run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals</td> </tr> <tr> <td>15-1-1-5</td> <td>15-1-1-5</td> <td>15-1-1-5</td> <td>15-1-1-5</td> <td>run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals</td> </tr> <tr> <td>15-1-1-6</td> <td>15-1-1-6</td> <td>15-1-1-6</td> <td>15-1-1-6</td> <td>run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals</td> </tr> <tr> <td>15-1-1-7</td> <td>15-1-1-7</td> <td>15-1-1-7</td> <td>15-1-1-7</td> <td>run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals</td> </tr> <tr> <td>15-1-1-8</td> <td>15-1-1-8</td> <td>15-1-1-8</td> <td>15-1-1-8</td> <td>run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals</td> </tr> </tbody> </table>		Sample ID	Collection	Sample Matrix	Sampler's Initials	Analysis	15-1-1-1	15-1-1-1	15-1-1-1	15-1-1-1	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals	15-1-1-2	15-1-1-2	15-1-1-2	15-1-1-2	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals	15-1-1-3	15-1-1-3	15-1-1-3	15-1-1-3	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals	15-1-1-4	15-1-1-4	15-1-1-4	15-1-1-4	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals	15-1-1-5	15-1-1-5	15-1-1-5	15-1-1-5	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals	15-1-1-6	15-1-1-6	15-1-1-6	15-1-1-6	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals	15-1-1-7	15-1-1-7	15-1-1-7	15-1-1-7	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals	15-1-1-8	15-1-1-8	15-1-1-8	15-1-1-8	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals	Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below) Sample Specific Comments _____	
Sample ID	Collection	Sample Matrix	Sampler's Initials	Analysis																																														
15-1-1-1	15-1-1-1	15-1-1-1	15-1-1-1	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals																																														
15-1-1-2	15-1-1-2	15-1-1-2	15-1-1-2	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals																																														
15-1-1-3	15-1-1-3	15-1-1-3	15-1-1-3	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals																																														
15-1-1-4	15-1-1-4	15-1-1-4	15-1-1-4	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals																																														
15-1-1-5	15-1-1-5	15-1-1-5	15-1-1-5	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals																																														
15-1-1-6	15-1-1-6	15-1-1-6	15-1-1-6	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals																																														
15-1-1-7	15-1-1-7	15-1-1-7	15-1-1-7	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals																																														
15-1-1-8	15-1-1-8	15-1-1-8	15-1-1-8	run VOCs, SVOCs, metlas, Hold PCBs,pest, TCLP metals																																														
Preservative Code A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₈ I/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacterial Cup C = Cube O = Other E = Enamel D = BOD Bottle		Westboro Certification No: MA935 Marshfield Certification No: MA915 Container Type Preservative		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 TERMS & CONDITIONS. (See reverse side.)																																												
Released By <u>[Signature]</u>		Date/Time <u>7/24/15 1:00 PM</u>		Received By <u>[Signature]</u>		Date/Time <u>7/24/15 1:00 PM</u>																																												
Form No: 01-25 HC (rev. 30-Nov-2013)																																																		

JOB: L1917119 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1050: Metals Duplicate Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK



ANALYTICAL REPORT

Lab Number:	L1917119
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Julia Leung
Phone:	(212) 479-5400
Project Name:	2455 THIRD AVENUE
Project Number:	190051701
Report Date:	05/05/19

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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: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1917119-01	TB02_042519	WATER	BRONX	04/25/19 00:00	04/25/19
L1917119-02	SB10_0-2	SOIL	BRONX	04/25/19 07:45	04/25/19
L1917119-03	SB10_6-8	SOIL	BRONX	04/25/19 07:50	04/25/19
L1917119-04	SB11_5-7	SOIL	BRONX	04/25/19 08:15	04/25/19
L1917119-05	SB11_9-11	SOIL	BRONX	04/25/19 08:20	04/25/19
L1917119-06	SB12_1-3	SOIL	BRONX	04/25/19 09:30	04/25/19
L1917119-07	SB12_5-7	SOIL	BRONX	04/25/19 09:35	04/25/19

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

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: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

Case Narrative (continued)

Report Submission

May 05, 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.

Semivolatile Organics

The WG1231750-2/-3 LCS/LCSD recoveries, associated with L1917119-03, -04, and -06, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L1917119-03, -04, -06, and -07: 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: 05/05/19

ORGANICS

VOLATILES

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917119-01
Client ID: TB02_042519
Sample Location: BRONX

Date Collected: 04/25/19 00:00
Date Received: 04/25/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/30/19 10:38
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: 2455 THIRD AVENUE

Lab Number: L1917119

Project Number: 190051701

Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917119-01

Date Collected: 04/25/19 00:00

Client ID: TB02_042519

Date Received: 04/25/19

Sample Location: BRONX

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
1,2-Dichloroethene, Total	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
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
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
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917119-01
Client ID: TB02_042519
Sample Location: BRONX

Date Collected: 04/25/19 00:00
Date Received: 04/25/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
1,4-Dioxane	ND		ug/l	250	61.	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	100		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917119-03
Client ID: SB10_6-8
Sample Location: BRONX

Date Collected: 04/25/19 07:50
Date Received: 04/25/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/30/19 16:23
Analyst: JC
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.2	3.3	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.21	1
Chloroform	ND		ug/kg	2.2	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.33	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.38	1
Tetrachloroethene	ND		ug/kg	0.72	0.28	1
Chlorobenzene	ND		ug/kg	0.72	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.7	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.37	1
1,1,1-Trichloroethane	ND		ug/kg	0.72	0.24	1
Bromodichloromethane	ND		ug/kg	0.72	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.39	1
cis-1,3-Dichloropropene	ND		ug/kg	0.72	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	0.72	0.23	1
1,1-Dichloropropene	ND		ug/kg	0.72	0.23	1
Bromoform	ND		ug/kg	5.7	0.35	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.72	0.24	1
Benzene	ND		ug/kg	0.72	0.24	1
Toluene	ND		ug/kg	1.4	0.78	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.7	1.3	1
Bromomethane	ND		ug/kg	2.9	0.83	1
Vinyl chloride	ND		ug/kg	1.4	0.48	1
Chloroethane	ND		ug/kg	2.9	0.65	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS****Lab ID:** L1917119-03**Date Collected:** 04/25/19 07:50**Client ID:** SB10_6-8**Date Received:** 04/25/19**Sample Location:** BRONX**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	0.72	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.29	1
p/m-Xylene	ND		ug/kg	2.9	0.80	1
o-Xylene	ND		ug/kg	1.4	0.42	1
Xylenes, Total	ND		ug/kg	1.4	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.25	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	2.9	0.34	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	26		ug/kg	14	6.9	1
Carbon disulfide	ND		ug/kg	14	6.5	1
2-Butanone	ND		ug/kg	14	3.2	1
Vinyl acetate	ND		ug/kg	14	3.1	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	0.18	1
2-Hexanone	ND		ug/kg	14	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.29	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.29	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.40	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.72	0.19	1
Bromobenzene	ND		ug/kg	2.9	0.21	1
n-Butylbenzene	ND		ug/kg	1.4	0.24	1
sec-Butylbenzene	ND		ug/kg	1.4	0.21	1
tert-Butylbenzene	ND		ug/kg	2.9	0.17	1
o-Chlorotoluene	ND		ug/kg	2.9	0.27	1
p-Chlorotoluene	ND		ug/kg	2.9	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.24	1
Isopropylbenzene	ND		ug/kg	1.4	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.16	1
Naphthalene	ND		ug/kg	5.7	0.93	1
Acrylonitrile	ND		ug/kg	5.7	1.6	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS****Lab ID:** L1917119-03**Date Collected:** 04/25/19 07:50**Client ID:** SB10_6-8**Date Received:** 04/25/19**Sample Location:** BRONX**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	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.39	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.48	1
1,4-Dioxane	ND		ug/kg	110	50.	1
p-Diethylbenzene	ND		ug/kg	2.9	0.25	1
p-Ethyltoluene	ND		ug/kg	2.9	0.55	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.27	1
Ethyl ether	ND		ug/kg	2.9	0.49	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.2	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	97		70-130

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917119-04

Date Collected: 04/25/19 08:15

Client ID: SB11_5-7

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/30/19 16:49

Analyst: JC

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.54	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.92	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1

Project Name: 2455 THIRD AVENUE

Lab Number: L1917119

Project Number: 190051701

Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917119-04

Date Collected: 04/25/19 08:15

Client ID: SB11_5-7

Date Received: 04/25/19

Sample Location: BRONX

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	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	0.20	J	ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.29	1
Xylenes, Total	ND		ug/kg	0.98	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.98	0.13	1
Dibromomethane	ND		ug/kg	2.0	0.23	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.90	1
Acetone	19		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.5	1
2-Butanone	ND		ug/kg	9.8	2.2	1
Vinyl acetate	ND		ug/kg	9.8	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.98	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.17	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS****Lab ID:** L1917119-04**Date Collected:** 04/25/19 08:15**Client ID:** SB11_5-7**Date Received:** 04/25/19**Sample Location:** BRONX**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	0.98	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	79	34.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	96		70-130

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917119-06

Date Collected: 04/25/19 09:30

Client ID: SB12_1-3

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/30/19 17:14

Analyst: JC

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	1.9		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	0.13	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	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	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	0.29	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	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	9.9		ug/kg	0.54	0.18	1
Toluene	4.3		ug/kg	1.1	0.58	1
Ethylbenzene	1.4		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	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	0.15	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS****Lab ID:** L1917119-06**Date Collected:** 04/25/19 09:30**Client ID:** SB12_1-3**Date Received:** 04/25/19**Sample Location:** BRONX**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	2.1	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	ND		ug/kg	2.1	0.22	1
p/m-Xylene	0.65	J	ug/kg	2.1	0.60	1
o-Xylene	0.35	J	ug/kg	1.1	0.31	1
Xylenes, Total	1.0	J	ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	ND		ug/kg	11	5.1	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	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	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	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.1	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	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	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	0.19	J	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

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS****Lab ID:** L1917119-06**Date Collected:** 04/25/19 09:30**Client ID:** SB12_1-3**Date Received:** 04/25/19**Sample Location:** BRONX**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.38	J	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	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	0.46	J	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	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	95		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917119-07
Client ID: SB12_5-7
Sample Location: BRONX

Date Collected: 04/25/19 09:35
Date Received: 04/25/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/30/19 17:40
Analyst: JC
Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.7	3.5	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.3	0.22	1
Carbon tetrachloride	ND		ug/kg	1.5	0.36	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.41	1
Tetrachloroethene	ND		ug/kg	0.77	0.30	1
Chlorobenzene	ND		ug/kg	0.77	0.20	1
Trichlorofluoromethane	ND		ug/kg	6.2	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.40	1
1,1,1-Trichloroethane	ND		ug/kg	0.77	0.26	1
Bromodichloromethane	ND		ug/kg	0.77	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.42	1
cis-1,3-Dichloropropene	ND		ug/kg	0.77	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.77	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.77	0.25	1
Bromoform	ND		ug/kg	6.2	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.77	0.26	1
Benzene	ND		ug/kg	0.77	0.26	1
Toluene	ND		ug/kg	1.5	0.84	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	6.2	1.4	1
Bromomethane	ND		ug/kg	3.1	0.90	1
Vinyl chloride	ND		ug/kg	1.5	0.52	1
Chloroethane	ND		ug/kg	3.1	0.70	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.37	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.21	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917119-07

Date Collected: 04/25/19 09:35

Client ID: SB12_5-7

Date Received: 04/25/19

Sample Location: BRONX

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	0.77	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	3.1	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.1	0.31	1
p/m-Xylene	ND		ug/kg	3.1	0.87	1
o-Xylene	ND		ug/kg	1.5	0.45	1
Xylenes, Total	ND		ug/kg	1.5	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.27	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.21	1
Dibromomethane	ND		ug/kg	3.1	0.37	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	69		ug/kg	15	7.4	1
Carbon disulfide	ND		ug/kg	15	7.0	1
2-Butanone	ND		ug/kg	15	3.4	1
Vinyl acetate	ND		ug/kg	15	3.3	1
4-Methyl-2-pentanone	ND		ug/kg	15	2.0	1
1,2,3-Trichloropropane	ND		ug/kg	3.1	0.20	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.1	0.32	1
2,2-Dichloropropane	ND		ug/kg	3.1	0.31	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.43	1
1,3-Dichloropropane	ND		ug/kg	3.1	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.77	0.20	1
Bromobenzene	ND		ug/kg	3.1	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.26	1
sec-Butylbenzene	ND		ug/kg	1.5	0.23	1
tert-Butylbenzene	ND		ug/kg	3.1	0.18	1
o-Chlorotoluene	ND		ug/kg	3.1	0.30	1
p-Chlorotoluene	ND		ug/kg	3.1	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.26	1
Isopropylbenzene	ND		ug/kg	1.5	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.17	1
Naphthalene	ND		ug/kg	6.2	1.0	1
Acrylonitrile	ND		ug/kg	6.2	1.8	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS****Lab ID:** L1917119-07**Date Collected:** 04/25/19 09:35**Client ID:** SB12_5-7**Date Received:** 04/25/19**Sample Location:** BRONX**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	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.1	0.50	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	0.42	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.1	0.30	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.1	0.52	1
1,4-Dioxane	ND		ug/kg	120	54.	1
p-Diethylbenzene	ND		ug/kg	3.1	0.27	1
p-Ethyltoluene	ND		ug/kg	3.1	0.59	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.1	0.30	1
Ethyl ether	ND		ug/kg	3.1	0.53	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.7	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	96		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/30/19 09:02
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-04,06-07 Batch: WG1231864-5					
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	1.6	J	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: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/30/19 09:02
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-04,06-07 Batch: WG1231864-5					
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
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
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

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/30/19 09:02
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-04,06-07 Batch: WG1231864-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
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	0.69	J	ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
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
1,4-Dioxane	ND		ug/kg	80	35.
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	93		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/30/19 08:31
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1231965-5					
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: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/30/19 08:31
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1231965-5					
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
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
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
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
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/30/19 08:31
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1231965-5					
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
1,4-Dioxane	ND		ug/l	250	61.
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04,06-07 Batch: WG1231864-3 WG1231864-4								
Methylene chloride	92		91		70-130	1		30
1,1-Dichloroethane	104		103		70-130	1		30
Chloroform	96		95		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	108		107		70-130	1		30
Dibromochloromethane	92		93		70-130	1		30
1,1,2-Trichloroethane	98		101		70-130	3		30
Tetrachloroethene	86		84		70-130	2		30
Chlorobenzene	93		92		70-130	1		30
Trichlorofluoromethane	81		83		70-139	2		30
1,2-Dichloroethane	100		101		70-130	1		30
1,1,1-Trichloroethane	92		91		70-130	1		30
Bromodichloromethane	96		96		70-130	0		30
trans-1,3-Dichloropropene	102		102		70-130	0		30
cis-1,3-Dichloropropene	100		99		70-130	1		30
1,1-Dichloropropene	97		96		70-130	1		30
Bromoform	89		91		70-130	2		30
1,1,2,2-Tetrachloroethane	101		105		70-130	4		30
Benzene	98		96		70-130	2		30
Toluene	98		96		70-130	2		30
Ethylbenzene	99		97		70-130	2		30
Chloromethane	78		76		52-130	3		30
Bromomethane	107		107		57-147	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04,06-07 Batch: WG1231864-3 WG1231864-4								
Vinyl chloride	81		81		67-130	0		30
Chloroethane	91		93		50-151	2		30
1,1-Dichloroethene	82		81		65-135	1		30
trans-1,2-Dichloroethene	88		86		70-130	2		30
Trichloroethene	93		92		70-130	1		30
1,2-Dichlorobenzene	94		93		70-130	1		30
1,3-Dichlorobenzene	95		95		70-130	0		30
1,4-Dichlorobenzene	94		93		70-130	1		30
Methyl tert butyl ether	89		91		66-130	2		30
p/m-Xylene	95		93		70-130	2		30
o-Xylene	95		93		70-130	2		30
cis-1,2-Dichloroethene	89		89		70-130	0		30
Dibromomethane	95		94		70-130	1		30
Styrene	92		91		70-130	1		30
Dichlorodifluoromethane	46		45		30-146	2		30
Acetone	97		97		54-140	0		30
Carbon disulfide	87		85		59-130	2		30
2-Butanone	114		113		70-130	1		30
Vinyl acetate	102		103		70-130	1		30
4-Methyl-2-pentanone	97		100		70-130	3		30
1,2,3-Trichloropropane	102		105		68-130	3		30
2-Hexanone	102		103		70-130	1		30
Bromochloromethane	89		88		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04,06-07 Batch: WG1231864-3 WG1231864-4								
2,2-Dichloropropane	99		97		70-130	2		30
1,2-Dibromoethane	93		94		70-130	1		30
1,3-Dichloropropane	103		103		69-130	0		30
1,1,1,2-Tetrachloroethane	93		92		70-130	1		30
Bromobenzene	91		92		70-130	1		30
n-Butylbenzene	108		105		70-130	3		30
sec-Butylbenzene	103		100		70-130	3		30
tert-Butylbenzene	98		96		70-130	2		30
o-Chlorotoluene	105		105		70-130	0		30
p-Chlorotoluene	105		105		70-130	0		30
1,2-Dibromo-3-chloropropane	84		88		68-130	5		30
Hexachlorobutadiene	91		88		67-130	3		30
Isopropylbenzene	100		99		70-130	1		30
p-Isopropyltoluene	99		97		70-130	2		30
Naphthalene	93		94		70-130	1		30
Acrylonitrile	96		98		70-130	2		30
n-Propylbenzene	104		103		70-130	1		30
1,2,3-Trichlorobenzene	86		87		70-130	1		30
1,2,4-Trichlorobenzene	89		90		70-130	1		30
1,3,5-Trimethylbenzene	102		101		70-130	1		30
1,2,4-Trimethylbenzene	102		100		70-130	2		30
1,4-Dioxane	100		100		65-136	0		30
p-Diethylbenzene	98		96		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04,06-07 Batch: WG1231864-3 WG1231864-4								
p-Ethyltoluene	101		100		70-130	1		30
1,2,4,5-Tetramethylbenzene	94		93		70-130	1		30
Ethyl ether	92		94		67-130	2		30
trans-1,4-Dichloro-2-butene	116		120		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		106		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	107		108		70-130
Dibromofluoromethane	97		96		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

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: WG1231965-3 WG1231965-4								
Methylene chloride	97		90		70-130	7		20
1,1-Dichloroethane	97		91		70-130	6		20
Chloroform	95		96		70-130	1		20
Carbon tetrachloride	96		94		63-132	2		20
1,2-Dichloropropane	96		97		70-130	1		20
Dibromochloromethane	92		92		63-130	0		20
1,1,2-Trichloroethane	97		97		70-130	0		20
Tetrachloroethene	92		88		70-130	4		20
Chlorobenzene	96		94		75-130	2		20
Trichlorofluoromethane	91		85		62-150	7		20
1,2-Dichloroethane	97		98		70-130	1		20
1,1,1-Trichloroethane	95		92		67-130	3		20
Bromodichloromethane	93		94		67-130	1		20
trans-1,3-Dichloropropene	100		98		70-130	2		20
cis-1,3-Dichloropropene	88		93		70-130	6		20
1,1-Dichloropropene	96		93		70-130	3		20
Bromoform	90		85		54-136	6		20
1,1,2,2-Tetrachloroethane	100		99		67-130	1		20
Benzene	97		95		70-130	2		20
Toluene	100		98		70-130	2		20
Ethylbenzene	98		97		70-130	1		20
Chloromethane	82		82		64-130	0		20
Bromomethane	64		58		39-139	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

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: WG1231965-3 WG1231965-4								
Vinyl chloride	92		91		55-140	1		20
Chloroethane	92		89		55-138	3		20
1,1-Dichloroethene	90		80		61-145	12		20
trans-1,2-Dichloroethene	90		85		70-130	6		20
Trichloroethene	89		88		70-130	1		20
1,2-Dichlorobenzene	97		94		70-130	3		20
1,3-Dichlorobenzene	98		95		70-130	3		20
1,4-Dichlorobenzene	100		96		70-130	4		20
Methyl tert butyl ether	88		84		63-130	5		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	92		88		70-130	4		20
Dibromomethane	93		92		70-130	1		20
1,2,3-Trichloropropane	95		93		64-130	2		20
Acrylonitrile	90		85		70-130	6		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	89		86		36-147	3		20
Acetone	97		94		58-148	3		20
Carbon disulfide	91		82		51-130	10		20
2-Butanone	91		91		63-138	0		20
Vinyl acetate	92		87		70-130	6		20
4-Methyl-2-pentanone	85		93		59-130	9		20
2-Hexanone	85		91		57-130	7		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

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: WG1231965-3 WG1231965-4								
Bromochloromethane	92		90		70-130	2		20
2,2-Dichloropropane	100		96		63-133	4		20
1,2-Dibromoethane	95		93		70-130	2		20
1,3-Dichloropropane	99		97		70-130	2		20
1,1,1,2-Tetrachloroethane	96		95		64-130	1		20
Bromobenzene	96		93		70-130	3		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		99		70-130	1		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	82		88		41-144	7		20
Hexachlorobutadiene	89		86		63-130	3		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		98		70-130	2		20
Naphthalene	85		87		70-130	2		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	84		85		70-130	1		20
1,2,4-Trichlorobenzene	86		86		70-130	0		20
1,3,5-Trimethylbenzene	110		100		64-130	10		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	72		90		56-162	22	Q	20
p-Diethylbenzene	98		94		70-130	4		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

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: WG1231965-3 WG1231965-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	86		92		70-130	7		20
Ethyl ether	93		88		59-134	6		20
trans-1,4-Dichloro-2-butene	100		99		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		105		70-130
Toluene-d8	108		104		70-130
4-Bromofluorobenzene	106		105		70-130
Dibromofluoromethane	96		96		70-130

SEMIVOLATILES

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917119-03
Client ID: SB10_6-8
Sample Location: BRONX

Date Collected: 04/25/19 07:50
Date Received: 04/25/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/02/19 05:22
Analyst: RC
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 04/30/19 04:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	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
Fluoranthene	ND		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	ND		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
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS****Lab ID:** L1917119-03**Date Collected:** 04/25/19 07:50**Client ID:** SB10_6-8**Date Received:** 04/25/19**Sample Location:** BRONX**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	130	35.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	130	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		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	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	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
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

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS****Lab ID:** L1917119-03**Date Collected:** 04/25/19 07:50**Client ID:** SB10_6-8**Date Received:** 04/25/19**Sample Location:** BRONX**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	ND		ug/kg	210	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	55		18-120

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917119-04

Date Collected: 04/25/19 08:15

Client ID: SB11_5-7

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 04/30/19 04:02

Analytical Date: 05/02/19 08:22

Analyst: RC

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	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
Fluoranthene	34	J	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
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 2455 THIRD AVENUE

Lab Number: L1917119

Project Number: 190051701

Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917119-04

Date Collected: 04/25/19 08:15

Client ID: SB11_5-7

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	23	J	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	20	J	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	21	J	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	31	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	73.	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
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
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

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS****Lab ID:** L1917119-04**Date Collected:** 04/25/19 08:15**Client ID:** SB11_5-7**Date Received:** 04/25/19**Sample Location:** BRONX**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	86		18-120

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917119-06

Date Collected: 04/25/19 09:30

Client ID: SB12_1-3

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 04/30/19 04:02

Analytical Date: 05/02/19 08:48

Analyst: RC

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	88	J	ug/kg	150	20.	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
Fluoranthene	1100		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	43	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	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 2455 THIRD AVENUE

Lab Number: L1917119

Project Number: 190051701

Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917119-06

Date Collected: 04/25/19 09:30

Client ID: SB12_1-3

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	630		ug/kg	120	22.	1
Benzo(a)pyrene	580		ug/kg	150	47.	1
Benzo(b)fluoranthene	760		ug/kg	120	32.	1
Benzo(k)fluoranthene	240		ug/kg	120	31.	1
Chrysene	610		ug/kg	120	20.	1
Acenaphthylene	56	J	ug/kg	150	30.	1
Anthracene	170		ug/kg	120	37.	1
Benzo(ghi)perylene	300		ug/kg	150	22.	1
Fluorene	61	J	ug/kg	190	19.	1
Phenanthrene	750		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	76	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	330		ug/kg	150	27.	1
Pyrene	940		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	62	J	ug/kg	190	18.	1
2-Methylnaphthalene	26	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	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
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

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917119-06

Date Collected: 04/25/19 09:30

Client ID: SB12_1-3

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	68	J	ug/kg	190	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	52		18-120

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917119-07

Date Collected: 04/25/19 09:35

Client ID: SB12_5-7

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 05/02/19 18:57

Analytical Date: 05/04/19 00:22

Analyst: JG

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	46	J	ug/kg	180	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	26.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	40.	1
1,3-Dichlorobenzene	ND		ug/kg	220	38.	1
1,4-Dichlorobenzene	ND		ug/kg	220	39.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	60.	1
2,4-Dinitrotoluene	ND		ug/kg	220	45.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	920		ug/kg	130	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	33.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	170	J	ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	35.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	78.	1
Butyl benzyl phthalate	ND		ug/kg	220	56.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	76.	1

Project Name: 2455 THIRD AVENUE

Lab Number: L1917119

Project Number: 190051701

Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917119-07

Date Collected: 04/25/19 09:35

Client ID: SB12_5-7

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	21.	1
Dimethyl phthalate	ND		ug/kg	220	47.	1
Benzo(a)anthracene	520		ug/kg	130	25.	1
Benzo(a)pyrene	470		ug/kg	180	55.	1
Benzo(b)fluoranthene	620		ug/kg	130	38.	1
Benzo(k)fluoranthene	180		ug/kg	130	36.	1
Chrysene	430		ug/kg	130	23.	1
Acenaphthylene	68	J	ug/kg	180	35.	1
Anthracene	130		ug/kg	130	44.	1
Benzo(ghi)perylene	240		ug/kg	180	26.	1
Fluorene	47	J	ug/kg	220	22.	1
Phenanthrene	430		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	62	J	ug/kg	130	26.	1
Indeno(1,2,3-cd)pyrene	290		ug/kg	180	31.	1
Pyrene	950		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	510	52.	1
4-Chloroaniline	ND		ug/kg	220	41.	1
2-Nitroaniline	ND		ug/kg	220	43.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	93.	1
Dibenzofuran	48	J	ug/kg	220	21.	1
2-Methylnaphthalene	47	J	ug/kg	270	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	74.	1
2-Nitrophenol	ND		ug/kg	480	84.	1
4-Nitrophenol	ND		ug/kg	310	92.	1
2,4-Dinitrophenol	ND		ug/kg	1100	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	110	1
Pentachlorophenol	ND		ug/kg	180	49.	1
Phenol	ND		ug/kg	220	34.	1
2-Methylphenol	ND		ug/kg	220	35.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	35.	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917119-07

Date Collected: 04/25/19 09:35

Client ID: SB12_5-7

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	220	43.	1
Benzoic Acid	ND		ug/kg	730	230	1
Benzyl Alcohol	ND		ug/kg	220	69.	1
Carbazole	54	J	ug/kg	220	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	41		10-136
4-Terphenyl-d14	81		18-120

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/30/19 13:32
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 04/30/19 04:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,06 Batch: WG1231750-1					
Acenaphthene	ND		ug/kg	130	17.
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.
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.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/30/19 13:32
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 04/30/19 04:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,06 Batch: WG1231750-1					
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.
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.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/30/19 13:32
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 04/30/19 04:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,06 Batch: WG1231750-1					
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	50.
Carbazole	ND		ug/kg	160	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	82		18-120

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/03/19 23:06
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 05/02/19 12:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1232899-1					
Acenaphthene	ND		ug/kg	130	17.
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.
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	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.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/03/19 23:06
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 05/02/19 12:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1232899-1					
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.
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.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/03/19 23:06
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 05/02/19 12:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1232899-1					
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.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	93		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	96		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	116		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

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: WG1231750-2 WG1231750-3								
Acenaphthene	82		80		31-137	2		50
1,2,4-Trichlorobenzene	76		72		38-107	5		50
Hexachlorobenzene	88		84		40-140	5		50
Bis(2-chloroethyl)ether	72		72		40-140	0		50
2-Chloronaphthalene	84		82		40-140	2		50
1,2-Dichlorobenzene	72		70		40-140	3		50
1,3-Dichlorobenzene	71		67		40-140	6		50
1,4-Dichlorobenzene	71		68		28-104	4		50
3,3'-Dichlorobenzidine	86		86		40-140	0		50
2,4-Dinitrotoluene	92		90		40-132	2		50
2,6-Dinitrotoluene	90		88		40-140	2		50
Fluoranthene	83		82		40-140	1		50
4-Chlorophenyl phenyl ether	87		84		40-140	4		50
4-Bromophenyl phenyl ether	93		89		40-140	4		50
Bis(2-chloroisopropyl)ether	87		83		40-140	5		50
Bis(2-chloroethoxy)methane	79		76		40-117	4		50
Hexachlorobutadiene	80		80		40-140	0		50
Hexachlorocyclopentadiene	40		45		40-140	12		50
Hexachloroethane	70		69		40-140	1		50
Isophorone	83		80		40-140	4		50
Naphthalene	77		74		40-140	4		50
Nitrobenzene	81		78		40-140	4		50
NDPA/DPA	90		89		36-157	1		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

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: WG1231750-2 WG1231750-3								
n-Nitrosodi-n-propylamine	83		81		32-121	2		50
Bis(2-ethylhexyl)phthalate	101		99		40-140	2		50
Butyl benzyl phthalate	91		90		40-140	1		50
Di-n-butylphthalate	89		86		40-140	3		50
Di-n-octylphthalate	105		104		40-140	1		50
Diethyl phthalate	94		92		40-140	2		50
Dimethyl phthalate	90		85		40-140	6		50
Benzo(a)anthracene	94		92		40-140	2		50
Benzo(a)pyrene	98		97		40-140	1		50
Benzo(b)fluoranthene	93		93		40-140	0		50
Benzo(k)fluoranthene	92		91		40-140	1		50
Chrysene	88		87		40-140	1		50
Acenaphthylene	89		88		40-140	1		50
Anthracene	80		79		40-140	1		50
Benzo(ghi)perylene	82		80		40-140	2		50
Fluorene	91		87		40-140	4		50
Phenanthrene	78		77		40-140	1		50
Dibenzo(a,h)anthracene	80		79		40-140	1		50
Indeno(1,2,3-cd)pyrene	87		85		40-140	2		50
Pyrene	82		81		35-142	1		50
Biphenyl	84		82		54-104	2		50
4-Chloroaniline	93		96		40-140	3		50
2-Nitroaniline	96		90		47-134	6		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2455 THIRD AVENUE

Lab Number: L1917119

Project Number: 190051701

Report Date: 05/05/19

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: WG1231750-2 WG1231750-3								
3-Nitroaniline	99		94		26-129	5		50
4-Nitroaniline	100		97		41-125	3		50
Dibenzofuran	86		85		40-140	1		50
2-Methylnaphthalene	80		76		40-140	5		50
1,2,4,5-Tetrachlorobenzene	90		87		40-117	3		50
Acetophenone	85		82		14-144	4		50
2,4,6-Trichlorophenol	97		96		30-130	1		50
p-Chloro-m-cresol	96		94		26-103	2		50
2-Chlorophenol	80		76		25-102	5		50
2,4-Dichlorophenol	88		86		30-130	2		50
2,4-Dimethylphenol	90		86		30-130	5		50
2-Nitrophenol	60		65		30-130	8		50
4-Nitrophenol	97		96		11-114	1		50
2,4-Dinitrophenol	20		20		4-130	0		50
4,6-Dinitro-o-cresol	28		33		10-130	16		50
Pentachlorophenol	79		81		17-109	3		50
Phenol	84		81		26-90	4		50
2-Methylphenol	83		80		30-130.	4		50
3-Methylphenol/4-Methylphenol	90		87		30-130	3		50
2,4,5-Trichlorophenol	97		96		30-130	1		50
Benzoic Acid	0	Q	0	Q	10-110	NC		50
Benzyl Alcohol	88		85		40-140	3		50
Carbazole	84		83		54-128	1		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19

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: WG1231750-2 WG1231750-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		77		25-120
Phenol-d6	78		77		10-120
Nitrobenzene-d5	83		82		23-120
2-Fluorobiphenyl	84		83		30-120
2,4,6-Tribromophenol	95		99		10-136
4-Terphenyl-d14	81		82		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1232899-2 WG1232899-3								
Acenaphthene	85		97		31-137	13		50
1,2,4-Trichlorobenzene	80		96		38-107	18		50
Hexachlorobenzene	88		103		40-140	16		50
Bis(2-chloroethyl)ether	77		91		40-140	17		50
2-Chloronaphthalene	86		99		40-140	14		50
1,2-Dichlorobenzene	76		90		40-140	17		50
1,3-Dichlorobenzene	74		87		40-140	16		50
1,4-Dichlorobenzene	74		88		28-104	17		50
3,3'-Dichlorobenzidine	62		70		40-140	12		50
2,4-Dinitrotoluene	91		107		40-132	16		50
2,6-Dinitrotoluene	87		104		40-140	18		50
Fluoranthene	94		109		40-140	15		50
4-Chlorophenyl phenyl ether	85		98		40-140	14		50
4-Bromophenyl phenyl ether	90		104		40-140	14		50
Bis(2-chloroisopropyl)ether	70		83		40-140	17		50
Bis(2-chloroethoxy)methane	81		96		40-117	17		50
Hexachlorobutadiene	82		93		40-140	13		50
Hexachlorocyclopentadiene	87		107		40-140	21		50
Hexachloroethane	78		93		40-140	18		50
Isophorone	88		105		40-140	18		50
Naphthalene	83		94		40-140	12		50
Nitrobenzene	85		102		40-140	18		50
NDPA/DPA	91		105		36-157	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1232899-2 WG1232899-3								
n-Nitrosodi-n-propylamine	88		105		32-121	18		50
Bis(2-ethylhexyl)phthalate	83		95		40-140	13		50
Butyl benzyl phthalate	90		105		40-140	15		50
Di-n-butylphthalate	99		115		40-140	15		50
Di-n-octylphthalate	92		106		40-140	14		50
Diethyl phthalate	88		103		40-140	16		50
Dimethyl phthalate	90		107		40-140	17		50
Benzo(a)anthracene	91		106		40-140	15		50
Benzo(a)pyrene	91		105		40-140	14		50
Benzo(b)fluoranthene	96		110		40-140	14		50
Benzo(k)fluoranthene	91		107		40-140	16		50
Chrysene	82		95		40-140	15		50
Acenaphthylene	94		110		40-140	16		50
Anthracene	90		104		40-140	14		50
Benzo(ghi)perylene	93		106		40-140	13		50
Fluorene	88		102		40-140	15		50
Phenanthrene	84		96		40-140	13		50
Dibenzo(a,h)anthracene	94		107		40-140	13		50
Indeno(1,2,3-cd)pyrene	82		94		40-140	14		50
Pyrene	91		107		35-142	16		50
Biphenyl	90		103		54-104	13		50
4-Chloroaniline	67		79		40-140	16		50
2-Nitroaniline	89		105		47-134	16		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1232899-2 WG1232899-3								
3-Nitroaniline	77		89		26-129	14		50
4-Nitroaniline	88		105		41-125	18		50
Dibenzofuran	86		97		40-140	12		50
2-Methylnaphthalene	87		100		40-140	14		50
1,2,4,5-Tetrachlorobenzene	87		101		40-117	15		50
Acetophenone	90		107		14-144	17		50
2,4,6-Trichlorophenol	101		118		30-130	16		50
p-Chloro-m-cresol	95		111	Q	26-103	16		50
2-Chlorophenol	85		102		25-102	18		50
2,4-Dichlorophenol	93		109		30-130	16		50
2,4-Dimethylphenol	88		106		30-130	19		50
2-Nitrophenol	86		106		30-130	21		50
4-Nitrophenol	91		109		11-114	18		50
2,4-Dinitrophenol	82		100		4-130	20		50
4,6-Dinitro-o-cresol	96		117		10-130	20		50
Pentachlorophenol	86		104		17-109	19		50
Phenol	83		99	Q	26-90	18		50
2-Methylphenol	86		104		30-130	19		50
3-Methylphenol/4-Methylphenol	88		106		30-130	19		50
2,4,5-Trichlorophenol	94		112		30-130	17		50
Benzoic Acid	77		92		10-110	18		50
Benzyl Alcohol	89		107		40-140	18		50
Carbazole	91		106		54-128	15		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1232899-2 WG1232899-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	83		99		25-120
Phenol-d6	82		98		10-120
Nitrobenzene-d5	87		105		23-120
2-Fluorobiphenyl	86		99		30-120
2,4,6-Tribromophenol	95		111		10-136
4-Terphenyl-d14	90		105		18-120

METALS

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917119-03

Date Collected: 04/25/19 07:50

Client ID: SB10_6-8

Date Received: 04/25/19

Sample Location: BRONX

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	6380		mg/kg	9.97	2.69	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Antimony, Total	0.748	J	mg/kg	4.98	0.379	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Arsenic, Total	3.82		mg/kg	0.997	0.207	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Barium, Total	143		mg/kg	0.997	0.173	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Beryllium, Total	0.299	J	mg/kg	0.498	0.033	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Cadmium, Total	0.269	J	mg/kg	0.997	0.098	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Calcium, Total	37100		mg/kg	9.97	3.49	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Chromium, Total	17.0		mg/kg	0.997	0.096	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Cobalt, Total	4.32		mg/kg	1.99	0.165	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Copper, Total	56.2		mg/kg	0.997	0.257	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Iron, Total	11400		mg/kg	4.98	0.900	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Lead, Total	439		mg/kg	4.98	0.267	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Magnesium, Total	13200		mg/kg	9.97	1.54	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Manganese, Total	295		mg/kg	0.997	0.158	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Mercury, Total	6.20		mg/kg	0.401	0.085	5	04/27/19 07:30	04/30/19 22:29	EPA 7471B	1,7471B	EA
Nickel, Total	10.6		mg/kg	2.49	0.241	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Potassium, Total	842		mg/kg	249	14.4	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Selenium, Total	0.847	J	mg/kg	1.99	0.257	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Silver, Total	0.758	J	mg/kg	0.997	0.282	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Sodium, Total	448		mg/kg	199	3.14	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.99	0.314	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Vanadium, Total	12.0		mg/kg	0.997	0.202	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB
Zinc, Total	607		mg/kg	4.98	0.292	2	04/26/19 21:37	05/01/19 16:32	EPA 3050B	1,6010D	AB



Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917119-04

Date Collected: 04/25/19 08:15

Client ID: SB11_5-7

Date Received: 04/25/19

Sample Location: BRONX

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	6740		mg/kg	8.50	2.30	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Antimony, Total	0.434	J	mg/kg	4.25	0.323	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Arsenic, Total	1.26		mg/kg	0.850	0.177	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Barium, Total	25.4		mg/kg	0.850	0.148	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Beryllium, Total	0.391	J	mg/kg	0.425	0.028	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.850	0.083	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Calcium, Total	1140		mg/kg	8.50	2.98	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Chromium, Total	7.85		mg/kg	0.850	0.082	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Cobalt, Total	2.70		mg/kg	1.70	0.141	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Copper, Total	3.53		mg/kg	0.850	0.219	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Iron, Total	8220		mg/kg	4.25	0.768	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Lead, Total	8.67		mg/kg	4.25	0.228	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Magnesium, Total	1240		mg/kg	8.50	1.31	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Manganese, Total	60.1		mg/kg	0.850	0.135	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.068	0.014	1	04/27/19 07:30	04/30/19 20:29	EPA 7471B	1,7471B	EA
Nickel, Total	6.21		mg/kg	2.12	0.206	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Potassium, Total	276		mg/kg	212	12.2	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.70	0.219	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.850	0.241	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Sodium, Total	52.0	J	mg/kg	170	2.68	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.70	0.268	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Vanadium, Total	10.2		mg/kg	0.850	0.173	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB
Zinc, Total	15.6		mg/kg	4.25	0.249	2	04/26/19 21:37	05/01/19 16:36	EPA 3050B	1,6010D	AB



Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917119-06

Date Collected: 04/25/19 09:30

Client ID: SB12_1-3

Date Received: 04/25/19

Sample Location: BRONX

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	3510		mg/kg	8.99	2.43	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Antimony, Total	4.38	J	mg/kg	4.49	0.342	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Arsenic, Total	23.1		mg/kg	0.899	0.187	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Barium, Total	35.3		mg/kg	0.899	0.156	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Beryllium, Total	0.063	J	mg/kg	0.449	0.030	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Cadmium, Total	0.845	J	mg/kg	0.899	0.088	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Calcium, Total	1540		mg/kg	8.99	3.15	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Chromium, Total	82.1		mg/kg	0.899	0.086	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Cobalt, Total	31.3		mg/kg	1.80	0.149	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Copper, Total	19.6		mg/kg	0.899	0.232	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Iron, Total	132000		mg/kg	44.9	8.12	20	04/26/19 21:37	05/01/19 18:35	EPA 3050B	1,6010D	AB
Lead, Total	48.8		mg/kg	4.49	0.241	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Magnesium, Total	654		mg/kg	8.99	1.38	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Manganese, Total	903		mg/kg	0.899	0.143	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Mercury, Total	0.302		mg/kg	0.073	0.015	1	04/27/19 07:30	04/30/19 20:31	EPA 7471B	1,7471B	EA
Nickel, Total	54.9		mg/kg	2.25	0.218	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Potassium, Total	350		mg/kg	225	12.9	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Selenium, Total	0.279	J	mg/kg	1.80	0.232	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.899	0.254	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Sodium, Total	162	J	mg/kg	180	2.83	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.80	0.283	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Vanadium, Total	56.7		mg/kg	0.899	0.182	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB
Zinc, Total	35.5		mg/kg	4.49	0.263	2	04/26/19 21:37	05/01/19 16:58	EPA 3050B	1,6010D	AB



Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917119-07

Date Collected: 04/25/19 09:35

Client ID: SB12_5-7

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11300		mg/kg	10.6	2.86	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Antimony, Total	0.477	J	mg/kg	5.30	0.402	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Arsenic, Total	2.42		mg/kg	1.06	0.220	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Barium, Total	21.3		mg/kg	1.06	0.184	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Beryllium, Total	0.402	J	mg/kg	0.530	0.035	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	1.06	0.104	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Calcium, Total	2760		mg/kg	10.6	3.71	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Chromium, Total	15.8		mg/kg	1.06	0.102	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Cobalt, Total	7.96		mg/kg	2.12	0.176	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Copper, Total	12.3		mg/kg	1.06	0.273	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Iron, Total	16100		mg/kg	5.30	0.956	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Lead, Total	22.6		mg/kg	5.30	0.284	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Magnesium, Total	6820		mg/kg	10.6	1.63	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Manganese, Total	134		mg/kg	1.06	0.168	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.086	0.018	1	04/27/19 07:30	04/30/19 20:32	EPA 7471B	1,7471B	EA
Nickel, Total	14.2		mg/kg	2.65	0.256	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Potassium, Total	1060		mg/kg	265	15.2	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	2.12	0.273	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	1.06	0.300	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Sodium, Total	538		mg/kg	212	3.34	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	2.12	0.334	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Vanadium, Total	20.4		mg/kg	1.06	0.215	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB
Zinc, Total	46.4		mg/kg	5.30	0.310	2	04/26/19 21:37	05/01/19 17:03	EPA 3050B	1,6010D	AB



Project Name: 2455 THIRD AVENUE

Lab Number: L1917119

Project Number: 190051701

Report Date: 05/05/19

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): 03-04,06-07 Batch: WG1230895-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Iron, Total	ND		mg/kg	2.00	0.361	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Manganese, Total	ND		mg/kg	0.400	0.064	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Sodium, Total	3.53	J	mg/kg	80.0	1.26	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB
Zinc, Total	ND		mg/kg	2.00	0.117	1	04/26/19 21:37	05/01/19 15:09	1,6010D	AB

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): 03-04,06-07 Batch: WG1231009-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	04/27/19 07:30	04/30/19 19:35	1,7471B	EA



Project Name: 2455 THIRD AVENUE

Lab Number: L1917119

Project Number: 190051701

Report Date: 05/05/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-04,06-07 Batch: WG1230895-2 SRM Lot Number: D101-540								
Aluminum, Total	72		-		50-151	-		
Antimony, Total	145		-		3-196	-		
Arsenic, Total	107		-		83-117	-		
Barium, Total	95		-		83-118	-		
Beryllium, Total	103		-		83-117	-		
Cadmium, Total	104		-		83-117	-		
Calcium, Total	90		-		81-119	-		
Chromium, Total	98		-		81-118	-		
Cobalt, Total	104		-		84-116	-		
Copper, Total	99		-		83-116	-		
Iron, Total	99		-		62-138	-		
Lead, Total	102		-		83-117	-		
Magnesium, Total	86		-		76-124	-		
Manganese, Total	98		-		82-118	-		
Nickel, Total	102		-		82-117	-		
Potassium, Total	85		-		71-130	-		
Selenium, Total	107		-		79-121	-		
Silver, Total	103		-		80-120	-		
Sodium, Total	94		-		72-127	-		
Thallium, Total	104		-		81-119	-		
Vanadium, Total	101		-		79-121	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-04,06-07 Batch: WG1230895-2 SRM Lot Number: D101-540					
Zinc, Total	104	-	81-119	-	
Total Metals - Mansfield Lab Associated sample(s): 03-04,06-07 Batch: WG1231009-2 SRM Lot Number: D101-540					
Mercury, Total	97	-	65-135	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917119

Report Date: 05/05/19

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): 03-04,06-07 QC Batch ID: WG1230895-3 WG1230895-4 QC Sample: L1917143-02 Client ID: MS Sample												
Aluminum, Total	5080	188	4580	0	Q	4750	0	Q	75-125	4		20
Antimony, Total	0.743J	46.9	36.9	79		37.0	79		75-125	0		20
Arsenic, Total	8.62	11.3	16.0	66	Q	16.9	74	Q	75-125	5		20
Barium, Total	21.6	188	180	84		189	89		75-125	5		20
Beryllium, Total	0.320J	4.69	4.55	97		4.70	100		75-125	3		20
Cadmium, Total	ND	4.79	3.89	81		4.03	84		75-125	4		20
Calcium, Total	859	939	1540	72	Q	1610	80		75-125	4		20
Chromium, Total	6.96	18.8	23.9	90		25.4	98		75-125	6		20
Cobalt, Total	9.99	46.9	45.2	75		46.9	79		75-125	4		20
Copper, Total	15.5	23.5	33.6	77		35.1	84		75-125	4		20
Iron, Total	17800	93.9	25900	8630	Q	27900	10800	Q	75-125	7		20
Lead, Total	6.02	47.9	44.5	80		46.6	85		75-125	5		20
Magnesium, Total	1330	939	1690	38	Q	1740	44	Q	75-125	3		20
Manganese, Total	348	46.9	272	0	Q	283	0	Q	75-125	4		20
Nickel, Total	8.98	46.9	46.3	80		47.9	83		75-125	3		20
Potassium, Total	263	939	1060	85		1100	89		75-125	4		20
Selenium, Total	ND	11.3	9.86	88		9.82	87		75-125	0		20
Silver, Total	ND	28.2	23.4	83		24.5	87		75-125	5		20
Sodium, Total	74.4J	939	918	98		957	102		75-125	4		20
Thallium, Total	ND	11.3	8.71	77		8.99	80		75-125	3		20
Vanadium, Total	16.7	46.9	74.6	123		80.9	137	Q	75-125	8		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Lab Number: L1917119

Project Number: 190051701

Report Date: 05/05/19

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): 03-04,06-07 QC Batch ID: WG1230895-3 WG1230895-4 QC Sample: L1917143-02 Client ID: MS Sample									
Zinc, Total	34.6	46.9	69.8	75	72.4	81	75-125	4	20
Total Metals - Mansfield Lab Associated sample(s): 03-04,06-07 QC Batch ID: WG1231009-3 QC Sample: L1917378-01 Client ID: MS Sample									
Mercury, Total	ND	0.126	0.158	126	Q	-	80-120	-	20

Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1917119**Report Date:** 05/05/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03-04,06-07 QC Batch ID: WG1231009-4 QC Sample: L1917378-01 Client ID: DUP Sample						
Mercury, Total	ND	0.017J	mg/kg	NC		20

INORGANICS & MISCELLANEOUS

Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1917119**Report Date:** 05/05/19**SAMPLE RESULTS****Lab ID:** L1917119-03**Client ID:** SB10_6-8**Sample Location:** BRONX**Date Collected:** 04/25/19 07:50**Date Received:** 04/25/19**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	78.3		%	0.100	NA	1	-	04/26/19 21:46	121,2540G	YA



Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1917119**Report Date:** 05/05/19**SAMPLE RESULTS****Lab ID:** L1917119-04**Client ID:** SB11_5-7**Sample Location:** BRONX**Date Collected:** 04/25/19 08:15**Date Received:** 04/25/19**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	92.1		%	0.100	NA	1	-	04/26/19 21:46	121,2540G	YA



Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1917119**Report Date:** 05/05/19**SAMPLE RESULTS****Lab ID:** L1917119-06**Client ID:** SB12_1-3**Sample Location:** BRONX**Date Collected:** 04/25/19 09:30**Date Received:** 04/25/19**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	86.5		%	0.100	NA	1	-	04/26/19 21:46	121,2540G	YA



Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1917119**Report Date:** 05/05/19**SAMPLE RESULTS****Lab ID:** L1917119-07**Client ID:** SB12_5-7**Sample Location:** BRONX**Date Collected:** 04/25/19 09:35**Date Received:** 04/25/19**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	72.9		%	0.100	NA	1	-	04/26/19 21:46	121,2540G	YA



Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1917119
Report Date: 05/05/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04,06-07 QC Batch ID: WG1230926-1 QC Sample: L1917088-01 Client ID: DUP Sample						
Solids, Total	86.5	87.4	%	1		20

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917119**Project Number:** 190051701**Report Date:** 05/05/19**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(*)
L1917119-01A	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260(14)
L1917119-01B	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260(14)
L1917119-02A	Vial MeOH preserved	B	NA		4.3	Y	Absent		HOLD-8260HLW(14)
L1917119-02B	Vial water preserved	B	NA		4.3	Y	Absent	26-APR-19 05:28	HOLD-8260HLW(14)
L1917119-02C	Vial water preserved	B	NA		4.3	Y	Absent	26-APR-19 05:28	HOLD-8260HLW(14)
L1917119-02D	Plastic 2oz unpreserved for TS	B	NA		4.3	Y	Absent		HOLD-WETCHEM()
L1917119-02E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.3	Y	Absent		HOLD-METAL(180)
L1917119-02F	Glass 500ml/16oz unpreserved	B	NA		4.3	Y	Absent		HOLD-CONTINGENCY(14)
L1917119-03A	Vial MeOH preserved	B	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1917119-03B	Vial water preserved	B	NA		4.3	Y	Absent	26-APR-19 05:28	NYTCL-8260HLW(14)
L1917119-03C	Vial water preserved	B	NA		4.3	Y	Absent	26-APR-19 05:28	NYTCL-8260HLW(14)
L1917119-03D	Plastic 2oz unpreserved for TS	B	NA		4.3	Y	Absent		TS(7)
L1917119-03E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.3	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)
L1917119-03F	Glass 500ml/16oz unpreserved	B	NA		4.3	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14)
L1917119-04A	Vial MeOH preserved	B	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1917119-04B	Vial water preserved	B	NA		4.3	Y	Absent	26-APR-19 05:28	NYTCL-8260HLW(14)
L1917119-04C	Vial water preserved	B	NA		4.3	Y	Absent	26-APR-19 05:28	NYTCL-8260HLW(14)
L1917119-04D	Plastic 2oz unpreserved for TS	B	NA		4.3	Y	Absent		TS(7)

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Serial_No: 05051917:57
Lab Number: L1917119
Report Date: 05/05/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1917119-04E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.3	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)
L1917119-04F	Glass 500ml/16oz unpreserved	B	NA		4.3	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14)
L1917119-05A	Vial MeOH preserved	B	NA		4.3	Y	Absent		HOLD-8260HLW(14)
L1917119-05B	Vial water preserved	B	NA		4.3	Y	Absent	26-APR-19 05:28	HOLD-8260HLW(14)
L1917119-05C	Vial water preserved	B	NA		4.3	Y	Absent	26-APR-19 05:28	HOLD-8260HLW(14)
L1917119-05D	Plastic 2oz unpreserved for TS	B	NA		4.3	Y	Absent		HOLD-WETCHEM()
L1917119-05E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.3	Y	Absent		HOLD-METAL(180)
L1917119-05F	Glass 500ml/16oz unpreserved	B	NA		4.3	Y	Absent		HOLD-CONTINGENCY(14)
L1917119-06A	Vial MeOH preserved	B	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1917119-06B	Vial water preserved	B	NA		4.3	Y	Absent	26-APR-19 05:28	NYTCL-8260HLW(14)
L1917119-06C	Vial water preserved	B	NA		4.3	Y	Absent	26-APR-19 05:28	NYTCL-8260HLW(14)
L1917119-06D	Plastic 2oz unpreserved for TS	B	NA		4.3	Y	Absent		TS(7)
L1917119-06E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.3	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)
L1917119-06F	Glass 500ml/16oz unpreserved	B	NA		4.3	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14)
L1917119-07A	Vial MeOH preserved	B	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1917119-07B	Vial water preserved	B	NA		4.3	Y	Absent	26-APR-19 05:28	NYTCL-8260HLW(14)
L1917119-07C	Vial water preserved	B	NA		4.3	Y	Absent	26-APR-19 05:28	NYTCL-8260HLW(14)
L1917119-07D	Plastic 2oz unpreserved for TS	B	NA		4.3	Y	Absent		TS(7)
L1917119-07E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.3	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)
L1917119-07F	Glass 500ml/16oz unpreserved	B	NA		4.3	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14)

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

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.
LCS D	- 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: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

- 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: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917119
Report Date: 05/05/19

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.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 12

Department: **Quality Assurance**

Published Date: 10/9/2018 4:58:19 PM

Title: **Certificate/Approval Program Summary**

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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, 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, **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.

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

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of

4/26/19

41917119

[illegible]



ANALYTICAL REPORT

Lab Number:	L1917121
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Julia Leung
Phone:	(212) 479-5400
Project Name:	2455 THIRD AVENUE
Project Number:	190051701
Report Date:	05/05/19

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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: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1917121-01	TMW04_042519	WATER	BRONX	04/25/19 10:47	04/25/19
L1917121-02	TMW05_042519	WATER	BRONX	04/25/19 12:45	04/25/19
L1917121-03	TMW12_042519	WATER	BRONX	04/25/19 14:00	04/25/19
L1917121-04	TB03_042519	WATER	BRONX	04/25/19 00:00	04/25/19

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

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: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

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

L1917121-04: A sample identified as "TB03_042519" was received but not listed on the Chain of Custody. At the client's request, this sample was not analyzed.

Semivolatile Organics by SIM

L1917121-03: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

WG1231623-1: The Method Blank, associated with L1917121-02, has a concentration above the reporting limit for Naphthalene and 2-Methylnaphthalene. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

Dissolved Metals

L1917121-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the prep dilution required by the sample matrix.

The WG1231456-3 MS recovery, performed on L1917121-02, is outside the acceptance criteria for antimony (126%). A post digestion spike was performed and was within acceptance criteria.

The WG1231456-3 MS recoveries for iron (150%) and sodium (0%), performed on L1917121-02, do not apply because the sample concentrations are greater than four times the spike amounts added.

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: 05/05/19

ORGANICS

VOLATILES

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-01
Client ID: TMW04_042519
Sample Location: BRONX

Date Collected: 04/25/19 10:47
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/30/19 00:07
Analyst: NLK

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: 2455 THIRD AVENUE

Lab Number: L1917121

Project Number: 190051701

Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-01
 Client ID: TMW04_042519
 Sample Location: BRONX

Date Collected: 04/25/19 10:47
 Date Received: 04/25/19
 Field Prep: Refer to COC

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
1,2-Dichloroethene, Total	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
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.7	J	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
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
Naphthalene	0.75	J	ug/l	2.5	0.70	1

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-01
Client ID: TMW04_042519
Sample Location: BRONX

Date Collected: 04/25/19 10:47
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
1,4-Dioxane	ND		ug/l	250	61.	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	97		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-02
Client ID: TMW05_042519
Sample Location: BRONX

Date Collected: 04/25/19 12:45
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/30/19 00:32
Analyst: NLK

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: 2455 THIRD AVENUE**Lab Number:** L1917121**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917121-02
Client ID: TMW05_042519
Sample Location: BRONX

Date Collected: 04/25/19 12:45
Date Received: 04/25/19
Field Prep: Refer to COC

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
1,2-Dichloroethene, Total	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
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.9	J	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
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
Naphthalene	110		ug/l	2.5	0.70	1

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-02
Client ID: TMW05_042519
Sample Location: BRONX

Date Collected: 04/25/19 12:45
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	1.1	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	96		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-03
Client ID: TMW12_042519
Sample Location: BRONX

Date Collected: 04/25/19 14:00
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/30/19 00:57
Analyst: NLK

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	7.8		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	0.27	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.20	J	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: 2455 THIRD AVENUE**Lab Number:** L1917121**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917121-03
Client ID: TMW12_042519
Sample Location: BRONX

Date Collected: 04/25/19 14:00
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.3		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
1,2-Dichloroethene, Total	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
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.0		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
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
Naphthalene	6.6		ug/l	2.5	0.70	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917121**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917121-03
 Client ID: TMW12_042519
 Sample Location: BRONX

Date Collected: 04/25/19 14:00
 Date Received: 04/25/19
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
1,4-Dioxane	ND		ug/l	250	61.	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	95		70-130

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/29/19 19:56
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1231857-5					
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: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/29/19 19:56
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1231857-5					
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
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
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
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
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/19 19:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1231857-5					
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
1,4-Dioxane	ND		ug/l	250	61.
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1231857-3 WG1231857-4								
Methylene chloride	100		88		70-130	13		20
1,1-Dichloroethane	95		83		70-130	13		20
Chloroform	100		89		70-130	12		20
Carbon tetrachloride	120		97		63-132	21	Q	20
1,2-Dichloropropane	87		77		70-130	12		20
Dibromochloromethane	99		86		63-130	14		20
1,1,2-Trichloroethane	94		84		70-130	11		20
Tetrachloroethene	120		100		70-130	18		20
Chlorobenzene	100		90		75-130	11		20
Trichlorofluoromethane	100		87		62-150	14		20
1,2-Dichloroethane	100		84		70-130	17		20
1,1,1-Trichloroethane	110		94		67-130	16		20
Bromodichloromethane	100		90		67-130	11		20
trans-1,3-Dichloropropene	93		80		70-130	15		20
cis-1,3-Dichloropropene	94		81		70-130	15		20
1,1-Dichloropropene	99		85		70-130	15		20
Bromoform	110		96		54-136	14		20
1,1,2,2-Tetrachloroethane	84		75		67-130	11		20
Benzene	98		86		70-130	13		20
Toluene	100		90		70-130	11		20
Ethylbenzene	100		88		70-130	13		20
Chloromethane	74		66		64-130	11		20
Bromomethane	46		54		39-139	16		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1231857-3 WG1231857-4								
Vinyl chloride	76		67		55-140	13		20
Chloroethane	100		89		55-138	12		20
1,1-Dichloroethene	110		95		61-145	15		20
trans-1,2-Dichloroethene	110		98		70-130	12		20
Trichloroethene	100		90		70-130	11		20
1,2-Dichlorobenzene	110		94		70-130	16		20
1,3-Dichlorobenzene	110		95		70-130	15		20
1,4-Dichlorobenzene	100		94		70-130	6		20
Methyl tert butyl ether	98		86		63-130	13		20
p/m-Xylene	105		90		70-130	15		20
o-Xylene	100		90		70-130	11		20
cis-1,2-Dichloroethene	100		92		70-130	8		20
Dibromomethane	97		85		70-130	13		20
1,2,3-Trichloropropane	86		68		64-130	23	Q	20
Acrylonitrile	89		77		70-130	14		20
Styrene	100		90		70-130	11		20
Dichlorodifluoromethane	100		84		36-147	17		20
Acetone	88		71		58-148	21	Q	20
Carbon disulfide	110		95		51-130	15		20
2-Butanone	70		66		63-138	6		20
Vinyl acetate	77		68	Q	70-130	12		20
4-Methyl-2-pentanone	78		69		59-130	12		20
2-Hexanone	63		56	Q	57-130	12		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 2455 THIRD AVENUE

Lab Number: L1917121

Project Number: 190051701

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1231857-3 WG1231857-4								
Bromochloromethane	110		95		70-130	15		20
2,2-Dichloropropane	120		100		63-133	18		20
1,2-Dibromoethane	100		90		70-130	11		20
1,3-Dichloropropane	95		84		70-130	12		20
1,1,1,2-Tetrachloroethane	110		97		64-130	13		20
Bromobenzene	100		92		70-130	8		20
n-Butylbenzene	95		84		53-136	12		20
sec-Butylbenzene	94		84		70-130	11		20
tert-Butylbenzene	100		91		70-130	9		20
o-Chlorotoluene	97		83		70-130	16		20
p-Chlorotoluene	95		86		70-130	10		20
1,2-Dibromo-3-chloropropane	100		93		41-144	7		20
Hexachlorobutadiene	120		110		63-130	9		20
Isopropylbenzene	96		86		70-130	11		20
p-Isopropyltoluene	100		92		70-130	8		20
Naphthalene	86		86		70-130	0		20
n-Propylbenzene	94		83		69-130	12		20
1,2,3-Trichlorobenzene	110		100		70-130	10		20
1,2,4-Trichlorobenzene	110		99		70-130	11		20
1,3,5-Trimethylbenzene	99		88		64-130	12		20
1,2,4-Trimethylbenzene	100		88		70-130	13		20
1,4-Dioxane	76		76		56-162	0		20
p-Diethylbenzene	100		93		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1231857-3 WG1231857-4								
p-Ethyltoluene	98		87		70-130	12		20
1,2,4,5-Tetramethylbenzene	100		94		70-130	6		20
Ethyl ether	98		87		59-134	12		20
trans-1,4-Dichloro-2-butene	76		54	Q	70-130	34	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		94		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	88		88		70-130
Dibromofluoromethane	103		100		70-130

SEMIVOLATILES

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-01
Client ID: TMW04_042519
Sample Location: BRONX

Date Collected: 04/25/19 10:47
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/02/19 10:21
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/29/19 18:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917121**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917121-01
 Client ID: TMW04_042519
 Sample Location: BRONX

Date Collected: 04/25/19 10:47
 Date Received: 04/25/19
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	39		10-120
4-Terphenyl-d14	85		41-149

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-01
Client ID: TMW04_042519
Sample Location: BRONX

Date Collected: 04/25/19 10:47
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/03/19 11:25
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 05/02/19 20:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917121**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917121-01

Date Collected: 04/25/19 10:47

Client ID: TMW04_042519

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Refer to COC

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	43		10-120
4-Terphenyl-d14	68		41-149

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-02
Client ID: TMW05_042519
Sample Location: BRONX

Date Collected: 04/25/19 12:45
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/02/19 11:13
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/29/19 18:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.1	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	2.4		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 2455 THIRD AVENUE

Lab Number: L1917121

Project Number: 190051701

Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-02
 Client ID: TMW05_042519
 Sample Location: BRONX

Date Collected: 04/25/19 12:45
 Date Received: 04/25/19
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	3.6		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	8.1	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	0.90	J	ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	86		41-149

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-02
Client ID: TMW05_042519
Sample Location: BRONX

Date Collected: 04/25/19 12:45
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/02/19 18:36
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 04/29/19 18:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	6.0		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.19		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	58	E	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.09	J	ug/l	0.10	0.01	1
Anthracene	0.60		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	2.4		ug/l	0.10	0.01	1
Phenanthrene	2.7		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.11		ug/l	0.10	0.02	1
2-Methylnaphthalene	13		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-02
Client ID: TMW05_042519
Sample Location: BRONX

Date Collected: 04/25/19 12:45
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	88		41-149

Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1917121**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917121-02 D

Client ID: TMW05_042519

Sample Location: BRONX

Date Collected: 04/25/19 12:45

Date Received: 04/25/19

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 1,8270D-SIM

Analytical Date: 05/02/19 19:28

Analyst: DV

Extraction Method: EPA 3510C

Extraction Date: 04/29/19 18:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Naphthalene	56		ug/l	0.20	0.10	2

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-03
Client ID: TMW12_042519
Sample Location: BRONX

Date Collected: 04/25/19 14:00
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/02/19 11:39
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/29/19 18:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	3.0		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917121**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917121-03
 Client ID: TMW12_042519
 Sample Location: BRONX

Date Collected: 04/25/19 14:00
 Date Received: 04/25/19
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	48		15-120
2,4,6-Tribromophenol	26		10-120
4-Terphenyl-d14	49		41-149

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-03
Client ID: TMW12_042519
Sample Location: BRONX

Date Collected: 04/25/19 14:00
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/03/19 12:17
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 05/02/19 20:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.11	0.02	1
2-Chloronaphthalene	ND		ug/l	0.23	0.02	1
Fluoranthene	0.04	J	ug/l	0.11	0.02	1
Hexachlorobutadiene	ND		ug/l	0.57	0.05	1
Naphthalene	ND		ug/l	0.11	0.06	1
Benzo(a)anthracene	ND		ug/l	0.11	0.02	1
Benzo(a)pyrene	ND		ug/l	0.11	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.11	0.01	1
Benzo(k)fluoranthene	0.01	J	ug/l	0.11	0.01	1
Chrysene	0.02	J	ug/l	0.11	0.01	1
Acenaphthylene	ND		ug/l	0.11	0.01	1
Anthracene	ND		ug/l	0.11	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.11	0.02	1
Fluorene	ND		ug/l	0.11	0.02	1
Phenanthrene	0.03	J	ug/l	0.11	0.03	1
Dibenzo(a,h)anthracene	ND		ug/l	0.11	0.01	1
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.11	0.01	1
Pyrene	0.03	J	ug/l	0.11	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.11	0.03	1
Pentachlorophenol	ND		ug/l	0.92	0.02	1
Hexachlorobenzene	ND		ug/l	0.92	0.01	1
Hexachloroethane	ND		ug/l	0.92	0.07	1

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-03
Client ID: TMW12_042519
Sample Location: BRONX

Date Collected: 04/25/19 14:00
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	39		10-120
4-Terphenyl-d14	56		41-149

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/01/19 08:35
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/29/19 18:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1231622-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/01/19 08:35
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/29/19 18:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1231622-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	0.84	J	ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/01/19 08:35
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/29/19 18:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1231622-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	84		41-149

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/02/19 10:10
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 04/29/19 18:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG1231623-1					
Acenaphthene	0.02	J	ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	0.28		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	0.02	J	ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	0.05	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	0.86		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 05/02/19 10:10
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 04/29/19 18:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG1231623-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	107		10-120
4-Terphenyl-d14	87		41-149

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/03/19 08:15
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/02/19 17:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01,03 Batch: WG1233016-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/03/19 08:15
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/02/19 17:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01,03 Batch: WG1233016-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	60		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

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: WG1231622-2 WG1231622-3								
Acenaphthene	84		80		37-111	5		30
1,2,4-Trichlorobenzene	77		74		39-98	4		30
Hexachlorobenzene	82		76		40-140	8		30
Bis(2-chloroethyl)ether	81		76		40-140	6		30
2-Chloronaphthalene	83		80		40-140	4		30
1,2-Dichlorobenzene	75		73		40-140	3		30
1,3-Dichlorobenzene	74		71		40-140	4		30
1,4-Dichlorobenzene	75		72		36-97	4		30
3,3'-Dichlorobenzidine	63		56		40-140	12		30
2,4-Dinitrotoluene	81		79		48-143	3		30
2,6-Dinitrotoluene	84		80		40-140	5		30
Fluoranthene	86		82		40-140	5		30
4-Chlorophenyl phenyl ether	84		84		40-140	0		30
4-Bromophenyl phenyl ether	86		83		40-140	4		30
Bis(2-chloroisopropyl)ether	81		76		40-140	6		30
Bis(2-chloroethoxy)methane	86		83		40-140	4		30
Hexachlorobutadiene	77		74		40-140	4		30
Hexachlorocyclopentadiene	64		59		40-140	8		30
Hexachloroethane	75		73		40-140	3		30
Isophorone	88		85		40-140	3		30
Naphthalene	80		76		40-140	5		30
Nitrobenzene	84		80		40-140	5		30
NDPA/DPA	82		79		40-140	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Lab Number: L1917121

Project Number: 190051701

Report Date: 05/05/19

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: WG1231622-2 WG1231622-3								
n-Nitrosodi-n-propylamine	90		86		29-132	5		30
Bis(2-ethylhexyl)phthalate	101		96		40-140	5		30
Butyl benzyl phthalate	94		87		40-140	8		30
Di-n-butylphthalate	92		89		40-140	3		30
Di-n-octylphthalate	106		102		40-140	4		30
Diethyl phthalate	91		89		40-140	2		30
Dimethyl phthalate	89		86		40-140	3		30
Benzo(a)anthracene	89		88		40-140	1		30
Benzo(a)pyrene	83		80		40-140	4		30
Benzo(b)fluoranthene	83		80		40-140	4		30
Benzo(k)fluoranthene	85		84		40-140	1		30
Chrysene	84		84		40-140	0		30
Acenaphthylene	84		81		45-123	4		30
Anthracene	86		82		40-140	5		30
Benzo(ghi)perylene	82		82		40-140	0		30
Fluorene	85		83		40-140	2		30
Phenanthrene	85		82		40-140	4		30
Dibenzo(a,h)anthracene	84		85		40-140	1		30
Indeno(1,2,3-cd)pyrene	89		87		40-140	2		30
Pyrene	83		79		26-127	5		30
Biphenyl	86		84		40-140	2		30
4-Chloroaniline	48		46		40-140	4		30
2-Nitroaniline	82		82		52-143	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

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: WG1231622-2 WG1231622-3								
3-Nitroaniline	64		57		25-145	12		30
4-Nitroaniline	77		73		51-143	5		30
Dibenzofuran	83		81		40-140	2		30
2-Methylnaphthalene	82		78		40-140	5		30
1,2,4,5-Tetrachlorobenzene	83		79		2-134	5		30
Acetophenone	84		81		39-129	4		30
2,4,6-Trichlorophenol	81		79		30-130	3		30
p-Chloro-m-cresol	85		80		23-97	6		30
2-Chlorophenol	80		76		27-123	5		30
2,4-Dichlorophenol	84		81		30-130	4		30
2,4-Dimethylphenol	39		36		30-130	8		30
2-Nitrophenol	85		81		30-130	5		30
4-Nitrophenol	69		68		10-80	1		30
2,4-Dinitrophenol	86		84		20-130	2		30
4,6-Dinitro-o-cresol	82		80		20-164	2		30
Pentachlorophenol	78		80		9-103	3		30
Phenol	58		60		12-110	3		30
2-Methylphenol	70		67		30-130	4		30
3-Methylphenol/4-Methylphenol	75		72		30-130	4		30
2,4,5-Trichlorophenol	84		82		30-130	2		30
Benzoic Acid	63		60		10-164	5		30
Benzyl Alcohol	76		74		26-116	3		30
Carbazole	88		83		55-144	6		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

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: WG1231622-2 WG1231622-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		65		21-120
Phenol-d6	54		56		10-120
Nitrobenzene-d5	85		79		23-120
2-Fluorobiphenyl	85		82		15-120
2,4,6-Tribromophenol	75		70		10-120
4-Terphenyl-d14	84		78		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG1231623-2 WG1231623-3								
Acenaphthene	90		75		40-140	18		40
2-Chloronaphthalene	81		69		40-140	16		40
Fluoranthene	92		75		40-140	20		40
Hexachlorobutadiene	78		67		40-140	15		40
Naphthalene	77		67		40-140	14		40
Benzo(a)anthracene	95		77		40-140	21		40
Benzo(a)pyrene	93		76		40-140	20		40
Benzo(b)fluoranthene	80		62		40-140	25		40
Benzo(k)fluoranthene	108		94		40-140	14		40
Chrysene	104		86		40-140	19		40
Acenaphthylene	84		71		40-140	17		40
Anthracene	86		74		40-140	15		40
Benzo(ghi)perylene	87		74		40-140	16		40
Fluorene	94		78		40-140	19		40
Phenanthrene	80		67		40-140	18		40
Dibenzo(a,h)anthracene	91		77		40-140	17		40
Indeno(1,2,3-cd)pyrene	92		77		40-140	18		40
Pyrene	93		76		40-140	20		40
2-Methylnaphthalene	79		68		40-140	15		40
Pentachlorophenol	81		64		40-140	23		40
Hexachlorobenzene	91		76		40-140	18		40
Hexachloroethane	75		66		40-140	13		40

Lab Control Sample Analysis Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG1231623-2 WG1231623-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	52		45		21-120
Phenol-d6	45		38		10-120
Nitrobenzene-d5	75		65		23-120
2-Fluorobiphenyl	76		65		15-120
2,4,6-Tribromophenol	86		71		10-120
4-Terphenyl-d14	83		71		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01,03 Batch: WG1233016-2 WG1233016-3								
Acenaphthene	66		66		40-140	0		40
2-Chloronaphthalene	62		61		40-140	2		40
Fluoranthene	66		65		40-140	2		40
Hexachlorobutadiene	63		61		40-140	3		40
Naphthalene	59		59		40-140	0		40
Benzo(a)anthracene	64		62		40-140	3		40
Benzo(a)pyrene	64		62		40-140	3		40
Benzo(b)fluoranthene	54		54		40-140	0		40
Benzo(k)fluoranthene	73		70		40-140	4		40
Chrysene	72		70		40-140	3		40
Acenaphthylene	59		55		40-140	7		40
Anthracene	65		63		40-140	3		40
Benzo(ghi)perylene	63		64		40-140	2		40
Fluorene	70		69		40-140	1		40
Phenanthrene	58		57		40-140	2		40
Dibenzo(a,h)anthracene	66		66		40-140	0		40
Indeno(1,2,3-cd)pyrene	65		65		40-140	0		40
Pyrene	68		66		40-140	3		40
2-Methylnaphthalene	59		60		40-140	2		40
Pentachlorophenol	54		52		40-140	4		40
Hexachlorobenzene	69		67		40-140	3		40
Hexachloroethane	59		58		40-140	2		40

Lab Control Sample Analysis Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01,03 Batch: WG1233016-2 WG1233016-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	43		40		21-120
Phenol-d6	34		32		10-120
Nitrobenzene-d5	58		56		23-120
2-Fluorobiphenyl	61		57		15-120
2,4,6-Tribromophenol	98		92		10-120
4-Terphenyl-d14	66		62		41-149

PCBS

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-01
Client ID: TMW04_042519
Sample Location: BRONX

Date Collected: 04/25/19 10:47
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/01/19 16:32
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 04/30/19 10:24
Cleanup Method: EPA 3665A
Cleanup Date: 04/30/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/30/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-02
Client ID: TMW05_042519
Sample Location: BRONX

Date Collected: 04/25/19 12:45
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/01/19 16:45
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 04/30/19 10:24
Cleanup Method: EPA 3665A
Cleanup Date: 04/30/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/30/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-03
Client ID: TMW12_042519
Sample Location: BRONX

Date Collected: 04/25/19 14:00
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/01/19 16:59
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 04/30/19 13:20
Cleanup Method: EPA 3665A
Cleanup Date: 04/30/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/01/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/01/19 15:51
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 04/30/19 10:24
Cleanup Method: EPA 3665A
Cleanup Date: 04/30/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/30/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1231877-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	68		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 2455 THIRD AVENUE

Lab Number: L1917121

Project Number: 190051701

Report Date: 05/05/19

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: WG1231877-2 WG1231877-3									
Aroclor 1016	63		59		40-140	5		50	A
Aroclor 1260	66		65		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		55		30-150	A
Decachlorobiphenyl	78		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		54		30-150	B
Decachlorobiphenyl	68		63		30-150	B

PESTICIDES

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-01
Client ID: TMW04_042519
Sample Location: BRONX

Date Collected: 04/25/19 10:47
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/01/19 20:43
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 05/01/19 00:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917121**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917121-01

Date Collected: 04/25/19 10:47

Client ID: TMW04_042519

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Refer to COC

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	63		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-02
Client ID: TMW05_042519
Sample Location: BRONX

Date Collected: 04/25/19 12:45
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/01/19 20:55
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 05/01/19 00:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917121**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS****Lab ID:** L1917121-02**Date Collected:** 04/25/19 12:45**Client ID:** TMW05_042519**Date Received:** 04/25/19**Sample Location:** BRONX**Field Prep:** Refer to COC**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	69		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-03
Client ID: TMW12_042519
Sample Location: BRONX

Date Collected: 04/25/19 14:00
Date Received: 04/25/19
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/01/19 21:08
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 05/01/19 00:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917121**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS****Lab ID:** L1917121-03**Date Collected:** 04/25/19 14:00**Client ID:** TMW12_042519**Date Received:** 04/25/19**Sample Location:** BRONX**Field Prep:** Refer to COC**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	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/01/19 19:53
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 05/01/19 00:57

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1232145-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 05/01/19 19:53
 Analyst: BM

Extraction Method: EPA 3510C
 Extraction Date: 05/01/19 00:57

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1232145-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	88		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

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: WG1232145-2 WG1232145-3									
Delta-BHC	74		87		30-150	17		20	A
Lindane	72		84		30-150	15		20	A
Alpha-BHC	73		85		30-150	15		20	A
Beta-BHC	74		84		30-150	12		20	A
Heptachlor	57		69		30-150	19		20	A
Aldrin	50		62		30-150	23	Q	20	A
Heptachlor epoxide	71		86		30-150	19		20	A
Endrin	73		90		30-150	20		20	A
Endrin aldehyde	65		77		30-150	16		20	A
Endrin ketone	78		93		30-150	18		20	A
Dieldrin	71		88		30-150	21	Q	20	A
4,4'-DDE	66		83		30-150	23	Q	20	A
4,4'-DDD	72		89		30-150	22	Q	20	A
4,4'-DDT	71		91		30-150	24	Q	20	A
Endosulfan I	66		80		30-150	18		20	A
Endosulfan II	69		85		30-150	20		20	A
Endosulfan sulfate	70		85		30-150	19		20	A
Methoxychlor	68		82		30-150	19		20	A
cis-Chlordane	66		83		30-150	23	Q	20	A
trans-Chlordane	61		79		30-150	26	Q	20	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

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: WG1232145-2 WG1232145-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		60		30-150	A
Decachlorobiphenyl	70		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		60		30-150	B
Decachlorobiphenyl	80		93		30-150	B

METALS

Project Name: 2455 THIRD AVENUE

Lab Number: L1917121

Project Number: 190051701

Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-01
 Client ID: TMW04_042519
 Sample Location: BRONX

Date Collected: 04/25/19 10:47
 Date Received: 04/25/19
 Field Prep: Refer to COC

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	0.0972		mg/l	0.0100	0.00327	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Antimony, Total	0.00051	J	mg/l	0.00400	0.00042	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00021	J	mg/l	0.00050	0.00016	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Barium, Total	0.00210		mg/l	0.00050	0.00017	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Calcium, Total	64.9		mg/l	0.100	0.0394	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Chromium, Total	0.00036	J	mg/l	0.00100	0.00017	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Copper, Total	0.00097	J	mg/l	0.00100	0.00038	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Iron, Total	0.169		mg/l	0.0500	0.0191	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Magnesium, Total	9.36		mg/l	0.0700	0.0242	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Manganese, Total	0.07146		mg/l	0.00100	0.00044	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/29/19 12:06	05/01/19 19:27	EPA 7470A	1,7470A	GD
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Potassium, Total	11.5		mg/l	0.100	0.0309	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Selenium, Total	0.00327	J	mg/l	0.00500	0.00173	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Sodium, Total	55.6		mg/l	0.100	0.0293	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/29/19 09:22	04/29/19 14:28	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0200	0.00654	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00206	J	mg/l	0.00800	0.00085	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00100	0.00033	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.00252		mg/l	0.00100	0.00034	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00100	0.00021	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM



Project Name: 2455 THIRD AVENUE

Lab Number: L1917121

Project Number: 190051701

Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-01

Date Collected: 04/25/19 10:47

Client ID: TMW04_042519

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00040	0.00011	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Calcium, Dissolved	62.3		mg/l	0.200	0.0788	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00200	0.00035	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00100	0.00032	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00138	J	mg/l	0.00200	0.00076	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.204		mg/l	0.100	0.0382	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00200	0.00068	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	9.56		mg/l	0.140	0.0484	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.06177		mg/l	0.00200	0.00088	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	04/29/19 14:42	05/01/19 16:48	EPA 7470A	1,7470A	GD
Nickel, Dissolved	ND		mg/l	0.00400	0.00111	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Potassium, Dissolved	11.1		mg/l	0.200	0.0618	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Selenium, Dissolved	0.00360	J	mg/l	0.0100	0.00346	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00080	0.00032	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Sodium, Dissolved	51.4		mg/l	0.200	0.0586	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00100	0.00028	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.01000	0.00314	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.02000	0.00682	1	04/29/19 12:01	04/30/19 09:57	EPA 3005A	1,6020B	AM



Project Name: 2455 THIRD AVENUE

Lab Number: L1917121

Project Number: 190051701

Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-02
 Client ID: TMW05_042519
 Sample Location: BRONX

Date Collected: 04/25/19 12:45
 Date Received: 04/25/19
 Field Prep: Refer to COC

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	0.251		mg/l	0.0100	0.00327	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Antimony, Total	0.00050	J	mg/l	0.00400	0.00042	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Arsenic, Total	0.01229		mg/l	0.00050	0.00016	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Barium, Total	0.00377		mg/l	0.00050	0.00017	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Calcium, Total	104.		mg/l	0.100	0.0394	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Chromium, Total	0.00151		mg/l	0.00100	0.00017	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00018	J	mg/l	0.00050	0.00016	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Copper, Total	0.00099	J	mg/l	0.00100	0.00038	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Iron, Total	12.7		mg/l	0.0500	0.0191	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Lead, Total	0.00039	J	mg/l	0.00100	0.00034	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Magnesium, Total	22.2		mg/l	0.0700	0.0242	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Manganese, Total	0.5475		mg/l	0.00100	0.00044	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/29/19 12:06	05/01/19 19:00	EPA 7470A	1,7470A	GD
Nickel, Total	0.00076	J	mg/l	0.00200	0.00055	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Potassium, Total	29.9		mg/l	0.100	0.0309	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Sodium, Total	245.		mg/l	0.100	0.0293	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00497	J	mg/l	0.00500	0.00157	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/29/19 09:22	04/29/19 14:33	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0320		mg/l	0.0100	0.00327	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00121	J	mg/l	0.00400	0.00042	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.01208		mg/l	0.00050	0.00016	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.00374		mg/l	0.00050	0.00017	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM



Project Name: 2455 THIRD AVENUE**Lab Number:** L1917121**Project Number:** 190051701**Report Date:** 05/05/19**SAMPLE RESULTS**

Lab ID: L1917121-02

Date Collected: 04/25/19 12:45

Client ID: TMW05_042519

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Calcium, Dissolved	103.		mg/l	0.100	0.0394	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00056	J	mg/l	0.00100	0.00017	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00053	J	mg/l	0.00100	0.00038	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Iron, Dissolved	13.2		mg/l	0.0500	0.0191	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	22.7		mg/l	0.0700	0.0242	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.5819		mg/l	0.00100	0.00044	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	04/29/19 14:42	05/01/19 16:57	EPA 7470A	1,7470A	GD
Nickel, Dissolved	0.00085	J	mg/l	0.00200	0.00055	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Potassium, Dissolved	30.4		mg/l	0.100	0.0309	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Sodium, Dissolved	252.		mg/l	0.100	0.0293	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	0.00387	J	mg/l	0.00500	0.00157	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	04/29/19 12:01	04/30/19 09:53	EPA 3005A	1,6020B	AM



Project Name: 2455 THIRD AVENUE

Lab Number: L1917121

Project Number: 190051701

Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-03

Date Collected: 04/25/19 14:00

Client ID: TMW12_042519

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Refer to COC

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	117.		mg/l	0.0100	0.00327	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Arsenic, Total	0.01876		mg/l	0.00050	0.00016	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Barium, Total	0.9121		mg/l	0.00050	0.00017	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Beryllium, Total	0.01082		mg/l	0.00050	0.00010	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00139		mg/l	0.00020	0.00005	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Calcium, Total	47.6		mg/l	0.100	0.0394	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Chromium, Total	0.3080		mg/l	0.00100	0.00017	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Cobalt, Total	0.1044		mg/l	0.00050	0.00016	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Copper, Total	0.6304		mg/l	0.02000	0.00768	20	04/29/19 09:22	04/29/19 15:40	EPA 3005A	1,6020B	AM
Iron, Total	157.		mg/l	0.0500	0.0191	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Lead, Total	0.2008		mg/l	0.00100	0.00034	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Magnesium, Total	55.0		mg/l	0.0700	0.0242	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Manganese, Total	2.163		mg/l	0.00100	0.00044	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Mercury, Total	0.00031		mg/l	0.00020	0.00009	1	04/29/19 12:06	05/01/19 19:23	EPA 7470A	1,7470A	GD
Nickel, Total	0.1826		mg/l	0.00200	0.00055	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Potassium, Total	35.0		mg/l	0.100	0.0309	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Selenium, Total	0.0321		mg/l	0.00500	0.00173	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Silver, Total	0.00057		mg/l	0.00040	0.00016	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Sodium, Total	145.		mg/l	0.100	0.0293	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Thallium, Total	0.00211		mg/l	0.00050	0.00014	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Vanadium, Total	0.3462		mg/l	0.00500	0.00157	1	04/29/19 09:22	04/29/19 14:37	EPA 3005A	1,6020B	AM
Zinc, Total	0.6809		mg/l	0.2000	0.06820	20	04/29/19 09:22	04/29/19 15:40	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.940		mg/l	0.0100	0.00327	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00077	J	mg/l	0.00400	0.00042	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00352		mg/l	0.00050	0.00016	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.01936		mg/l	0.00050	0.00017	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM



Project Name: 2455 THIRD AVENUE

Lab Number: L1917121

Project Number: 190051701

Report Date: 05/05/19

SAMPLE RESULTS

Lab ID: L1917121-03

Date Collected: 04/25/19 14:00

Client ID: TMW12_042519

Date Received: 04/25/19

Sample Location: BRONX

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Calcium, Dissolved	24.6		mg/l	0.100	0.0394	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00248		mg/l	0.00100	0.00017	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00081		mg/l	0.00050	0.00016	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00288		mg/l	0.00100	0.00038	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Iron, Dissolved	1.22		mg/l	0.0500	0.0191	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00114		mg/l	0.00100	0.00034	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	5.04		mg/l	0.0700	0.0242	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.09059		mg/l	0.00100	0.00044	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	04/29/19 14:42	05/01/19 16:59	EPA 7470A	1,7470A	GD
Nickel, Dissolved	0.00190	J	mg/l	0.00200	0.00055	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Potassium, Dissolved	8.71		mg/l	0.100	0.0309	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Sodium, Dissolved	143.		mg/l	0.100	0.0293	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	0.00792		mg/l	0.00500	0.00157	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	04/29/19 12:01	04/30/19 10:02	EPA 3005A	1,6020B	AM



Project Name: 2455 THIRD AVENUE

Lab Number: L1917121

Project Number: 190051701

Report Date: 05/05/19

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: WG1231411-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Antimony, Total	0.00081	J	mg/l	0.00400	0.00042	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	04/29/19 09:22	04/30/19 01:50	1,6020B	MG
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Iron, Total	0.0361	J	mg/l	0.0500	0.0191	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	04/29/19 09:22	04/30/19 01:50	1,6020B	MG
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Sodium, Total	0.0558	J	mg/l	0.150	0.0293	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/29/19 09:22	04/29/19 15:18	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1231456-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Antimony, Dissolved	0.00065	J	mg/l	0.00400	0.00042	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM



Project Name: 2455 THIRD AVENUE

Lab Number: L1917121

Project Number: 190051701

Report Date: 05/05/19

Method Blank Analysis Batch Quality Control

Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Copper, Dissolved	0.00051	J	mg/l	0.00100	0.00038	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Iron, Dissolved	0.0375	J	mg/l	0.0500	0.0191	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	04/29/19 12:01	04/30/19 09:32	1,6020B	AM

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): 01-03 Batch: WG1231490-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/29/19 12:06	05/01/19 18:45	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A



Project Name: 2455 THIRD AVENUE

Lab Number: L1917121

Project Number: 190051701

Report Date: 05/05/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1231537-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	04/29/19 14:42	05/01/19 16:45	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1231411-2								
Aluminum, Total	116		-		80-120	-		
Antimony, Total	104		-		80-120	-		
Arsenic, Total	106		-		80-120	-		
Barium, Total	102		-		80-120	-		
Beryllium, Total	108		-		80-120	-		
Cadmium, Total	102		-		80-120	-		
Calcium, Total	113		-		80-120	-		
Calcium, Total	119		-		80-120	-		
Chromium, Total	104		-		80-120	-		
Cobalt, Total	104		-		80-120	-		
Copper, Total	100		-		80-120	-		
Iron, Total	112		-		80-120	-		
Lead, Total	101		-		80-120	-		
Magnesium, Total	114		-		80-120	-		
Manganese, Total	113		-		80-120	-		
Nickel, Total	107		-		80-120	-		
Potassium, Total	104		-		80-120	-		
Potassium, Total	114		-		80-120	-		
Selenium, Total	110		-		80-120	-		
Silver, Total	94		-		80-120	-		
Sodium, Total	109		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1231411-2					
Thallium, Total	96	-	80-120	-	
Vanadium, Total	105	-	80-120	-	
Zinc, Total	112	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1231456-2					
Aluminum, Dissolved	112	-	80-120	-	
Antimony, Dissolved	103	-	80-120	-	
Arsenic, Dissolved	106	-	80-120	-	
Barium, Dissolved	106	-	80-120	-	
Beryllium, Dissolved	103	-	80-120	-	
Cadmium, Dissolved	108	-	80-120	-	
Calcium, Dissolved	101	-	80-120	-	
Chromium, Dissolved	103	-	80-120	-	
Cobalt, Dissolved	104	-	80-120	-	
Copper, Dissolved	98	-	80-120	-	
Iron, Dissolved	114	-	80-120	-	
Lead, Dissolved	110	-	80-120	-	
Magnesium, Dissolved	110	-	80-120	-	
Manganese, Dissolved	104	-	80-120	-	
Nickel, Dissolved	100	-	80-120	-	
Potassium, Dissolved	109	-	80-120	-	
Selenium, Dissolved	113	-	80-120	-	
Silver, Dissolved	100	-	80-120	-	
Sodium, Dissolved	105	-	80-120	-	
Thallium, Dissolved	104	-	80-120	-	
Vanadium, Dissolved	103	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1231456-2					
Zinc, Dissolved	106	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1231490-2					
Mercury, Total	111	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1231537-2					
Mercury, Dissolved	109	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

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: WG1231411-3			QC Sample: L1917294-01			Client ID: MS Sample			
Aluminum, Total	10.0	2	12.6	130	Q	-	-		75-125	-		20
Antimony, Total	0.0019J	0.5	0.1877	38	Q	-	-		75-125	-		20
Arsenic, Total	0.0093	0.12	0.1208	93		-	-		75-125	-		20
Barium, Total	0.6876	2	2.875	109		-	-		75-125	-		20
Beryllium, Total	0.0004J	0.05	0.05152	103		-	-		75-125	-		20
Cadmium, Total	0.0029	0.051	0.05412	100		-	-		75-125	-		20
Calcium, Total	206	10	208	20	Q	-	-		75-125	-		20
Chromium, Total	0.0192	0.2	0.2090	95		-	-		75-125	-		20
Cobalt, Total	0.0090	0.5	0.5010	98		-	-		75-125	-		20
Copper, Total	0.4286	0.25	0.7050	110		-	-		75-125	-		20
Iron, Total	24.7	1	25.0	30	Q	-	-		75-125	-		20
Lead, Total	0.0353	0.51	0.5220	95		-	-		75-125	-		20
Magnesium, Total	35.0	10	45.4	104		-	-		75-125	-		20
Manganese, Total	1.865	0.5	2.357	98		-	-		75-125	-		20
Nickel, Total	0.0415	0.5	0.5368	99		-	-		75-125	-		20
Potassium, Total	72.6	10	77.6	50	Q	-	-		75-125	-		20
Selenium, Total	0.003J	0.12	0.0207J	0	Q	-	-		75-125	-		20
Silver, Total	ND	0.05	0.00757	15	Q	-	-		75-125	-		20
Sodium, Total	820	10	798	0	Q	-	-		75-125	-		20
Thallium, Total	0.0002J	0.12	0.1082	90		-	-		75-125	-		20
Vanadium, Total	0.0160	0.5	0.5337	104		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Lab Number: L1917121

Project Number: 190051701

Report Date: 05/05/19

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: WG1231411-3 QC Sample: L1917294-01 Client ID: MS Sample									
Zinc, Total	1.895	0.5	2.846	190	Q	-	-	75-125	- 20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1231456-3 QC Sample: L1917121-02 Client ID: TMW05_042519									
Aluminum, Dissolved	0.0320	2	2.33	115	-	-	75-125	-	20
Antimony, Dissolved	0.00121J	0.5	0.6311	126	Q	-	75-125	-	20
Arsenic, Dissolved	0.01208	0.12	0.1353	103	-	-	75-125	-	20
Barium, Dissolved	0.00374	2	2.177	109	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05458	109	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05634	110	-	-	75-125	-	20
Calcium, Dissolved	103.	10	112	90	-	-	75-125	-	20
Chromium, Dissolved	0.00056J	0.2	0.2148	107	-	-	75-125	-	20
Cobalt, Dissolved	ND	0.5	0.5350	107	-	-	75-125	-	20
Copper, Dissolved	0.00053J	0.25	0.2565	103	-	-	75-125	-	20
Iron, Dissolved	13.2	1	14.7	150	Q	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5222	102	-	-	75-125	-	20
Magnesium, Dissolved	22.7	10	34.4	117	-	-	75-125	-	20
Manganese, Dissolved	0.5819	0.5	1.132	110	-	-	75-125	-	20
Nickel, Dissolved	0.00085J	0.5	0.5198	104	-	-	75-125	-	20
Potassium, Dissolved	30.4	10	39.8	94	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.123	102	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05314	106	-	-	75-125	-	20
Sodium, Dissolved	252.	10	242	0	Q	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1181	98	-	-	75-125	-	20
Vanadium, Dissolved	0.00387J	0.5	0.5410	108	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1231456-3 QC Sample: L1917121-02 Client ID: TMW05_042519									
Zinc, Dissolved	ND	0.5	0.5313	106	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1231490-3 WG1231490-4 QC Sample: L1917458-02 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00514	103	0.00517	103	75-125	0	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1231537-3 QC Sample: L1917121-01 Client ID: TMW04_042519									
Mercury, Dissolved	ND	0.005	0.00522	104	-	-	75-125	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1231456-4 QC Sample: L1917121-02 Client ID: TMW05_042519						
Aluminum, Dissolved	0.0320	0.0300	mg/l	6		20
Antimony, Dissolved	0.00121J	0.00251J	mg/l	NC		20
Arsenic, Dissolved	0.01208	0.01200	mg/l	1		20
Barium, Dissolved	0.00374	0.00404	mg/l	8		20
Beryllium, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Calcium, Dissolved	103.	102	mg/l	1		20
Chromium, Dissolved	0.00056J	0.00069J	mg/l	NC		20
Cobalt, Dissolved	ND	ND	mg/l	NC		20
Copper, Dissolved	0.00053J	ND	mg/l	NC		20
Iron, Dissolved	13.2	13.0	mg/l	2		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Magnesium, Dissolved	22.7	23.0	mg/l	1		20
Manganese, Dissolved	0.5819	0.5842	mg/l	0		20
Nickel, Dissolved	0.00085J	0.00072J	mg/l	NC		20
Potassium, Dissolved	30.4	29.8	mg/l	2		20
Selenium, Dissolved	ND	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Sodium, Dissolved	252.	254	mg/l	1		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917121

Report Date: 05/05/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1231456-4 QC Sample: L1917121-02 Client ID: TMW05_042519					
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	0.00387J	0.00372J	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1231537-4 QC Sample: L1917121-01 Client ID: TMW04_042519					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Serial_No: 05051917:28
Lab Number: L1917121
Report Date: 05/05/19

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(*)
L1917121-01A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1917121-01B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1917121-01C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1917121-01D	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1917121-01E	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1917121-01F	Amber 120ml unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-LVI(7)
L1917121-01G	Amber 120ml unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-LVI(7)
L1917121-01H	Amber 120ml unpreserved	A	NA		3.2	Y	Absent		NYTCL-8081(7)
L1917121-01I	Amber 120ml unpreserved	A	NA		3.2	Y	Absent		NYTCL-8081(7)
L1917121-01J	Amber 250ml unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1917121-01K	Amber 250ml unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1917121-02A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1917121-02B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1917121-02C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Serial_No: 05051917:28
Lab Number: L1917121
Report Date: 05/05/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1917121-02D	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1917121-02E	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1917121-02F	Amber 120ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8082-LVI(7)
L1917121-02G	Amber 120ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8082-LVI(7)
L1917121-02H	Amber 120ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8081(7)
L1917121-02I	Amber 120ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8081(7)
L1917121-02J	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1917121-02K	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1917121-03A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1917121-03B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1917121-03C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1917121-03D	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Serial_No: 05051917:28
Lab Number: L1917121
Report Date: 05/05/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1917121-03E	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1917121-03F	Amber 120ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8082-LVI(7)
L1917121-03G	Amber 120ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8082-LVI(7)
L1917121-03H	Amber 120ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8081(7)
L1917121-03J	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1917121-03K	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1917121-04A	Vial HCl preserved	A	NA		3.2	Y	Absent		ARCHIVE()
L1917121-04B	Vial HCl preserved	A	NA		3.2	Y	Absent		ARCHIVE()

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

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.
LCS D	- 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: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

- 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: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917121
Report Date: 05/05/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

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.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 12

Department: **Quality Assurance**

Published Date: 10/9/2018 4:58:19 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

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, 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, **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.

Service Centers

Page
ofDate Rec'd
in Lab

4/26/14

ALPHA Job #

41917121

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Client: Longen
Address: 360 W 31st St 8th Fl
NY NY 10001
Phone: 212-479-5400
Fax:
Email: ilcmylongen.com

Project Name: 2455 Third Avenue

Project Location: Bona X

Project # 19 00 51 701

(Use Project name as Project #) ☐

Project Manager: John Henry

ALPHAQuote #:

Standard ☒	Due Date:
Rush (only if pre approved) ☐	# of Days:

☒ ASP-A ☐ ASP-B
☐ EQUIS (1 File) ☐ EQUIS (4 File)
☐ Other

☐ NY TOGS	☒ NY Part 375
☐ AWQ Standards	☐ NY CP-51
☐ NY Restricted Use	☐ Other
☐ NY Unrestricted Use	
☐ NYC Sewer Discharge	

☒ Same as Client Info

PO #

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.

PT375 W64, SUX63						
PCBs, pesticides						
metals (total and dissolved)						

☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify)

Sample Specific Comments
1. The sample is a 100% pure substance, as indicated by the single sharp peak in the mass spectrum. 2. The molecular ion peak is observed at m/z 100, which is consistent with the molecular formula C₈H₈. 3. The base peak is at m/z 77, which is characteristic of the phenyl cation (C₆H₅⁺). 4. The fragmentation pattern is consistent with the structure of toluene (C₆H₅CH₃).

[illegible]

A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
O = Other

P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Mansfield: Certification No: MA015

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

/Date/Time

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.)



ANALYTICAL REPORT

Lab Number:	L1917223
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Julia Leung
Phone:	(212) 479-5400
Project Name:	2455 THIRD AVENUE
Project Number:	190051701
Report Date:	05/09/19

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-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917223
Report Date: 05/09/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1917223-01	SV01_042519	SOIL_VAPOR	BRONX	04/25/19 11:02	04/25/19
L1917223-02	SV04_042519	SOIL_VAPOR	BRONX	04/25/19 10:48	04/25/19
L1917223-03	SV05_042519	SOIL_VAPOR	BRONX	04/25/19 12:18	04/25/19
L1917223-04	AA01_042519	AIR	BRONX	04/25/19 12:22	04/25/19

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917223
Report Date: 05/09/19

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: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917223
Report Date: 05/09/19

Case Narrative (continued)

Report Revision

May 9, 2019: This report replaces the one previously issued on April 30, 2019. The report has been amended to report the NY Decision Matrix Compounds by TO15 SIM at the request of the client.

Volatile Organics in Air

Canisters were released from the laboratory on April 24, 2019. The canister certification results are provided as an addendum.

L1917223-01 The presence of Acetone could not be determined in this sample due to a non-target compound interfering with the identification and quantification of this compound.

L1917223-01 through -03: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L1917223-02 and -04 results for Acetone should be considered estimated due to co-elution with a non-target peak.

L1917223-04 : The canister vacuum measured on receipt at the laboratory was > 15 in. Hg and was pressurized with Nitrogen prior to analysis. The reporting limits have been elevated accordingly.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 05/09/19

AIR

Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1917223**Report Date:** 05/09/19**SAMPLE RESULTS**

Lab ID: L1917223-01 D

Client ID: SV01_042519

Sample Location: BRONX

Date Collected: 04/25/19 11:02

Date Received: 04/25/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 04/30/19 02:22

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	4.00	--	ND	19.8	--		20
Chloromethane	ND	4.00	--	ND	8.26	--		20
Freon-114	ND	4.00	--	ND	28.0	--		20
Vinyl chloride	ND	4.00	--	ND	10.2	--		20
1,3-Butadiene	ND	4.00	--	ND	8.85	--		20
Bromomethane	ND	4.00	--	ND	15.5	--		20
Chloroethane	ND	4.00	--	ND	10.6	--		20
Ethanol	ND	100	--	ND	188	--		20
Vinyl bromide	ND	4.00	--	ND	17.5	--		20
Acetone	ND	20.0	--	ND	47.5	--		20
Trichlorofluoromethane	ND	4.00	--	ND	22.5	--		20
Isopropanol	ND	10.0	--	ND	24.6	--		20
1,1-Dichloroethene	ND	4.00	--	ND	15.9	--		20
Tertiary butyl Alcohol	ND	10.0	--	ND	30.3	--		20
Methylene chloride	ND	10.0	--	ND	34.7	--		20
3-Chloropropene	ND	4.00	--	ND	12.5	--		20
Carbon disulfide	10.0	4.00	--	31.1	12.5	--		20
Freon-113	ND	4.00	--	ND	30.7	--		20
trans-1,2-Dichloroethene	ND	4.00	--	ND	15.9	--		20
1,1-Dichloroethane	ND	4.00	--	ND	16.2	--		20
Methyl tert butyl ether	ND	4.00	--	ND	14.4	--		20
2-Butanone	19.2	10.0	--	56.6	29.5	--		20
cis-1,2-Dichloroethene	ND	4.00	--	ND	15.9	--		20



Project Name: 2455 THIRD AVENUE**Lab Number:** L1917223**Project Number:** 190051701**Report Date:** 05/09/19**SAMPLE RESULTS**

Lab ID: L1917223-01 D

Client ID: SV01_042519

Sample Location: BRONX

Date Collected: 04/25/19 11:02

Date Received: 04/25/19

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	10.0	--	ND	36.0	--		20
Chloroform	ND	4.00	--	ND	19.5	--		20
Tetrahydrofuran	ND	10.0	--	ND	29.5	--		20
1,2-Dichloroethane	ND	4.00	--	ND	16.2	--		20
n-Hexane	836	4.00	--	2950	14.1	--		20
1,1,1-Trichloroethane	ND	4.00	--	ND	21.8	--		20
Benzene	10.0	4.00	--	31.9	12.8	--		20
Carbon tetrachloride	ND	4.00	--	ND	25.2	--		20
Cyclohexane	ND	4.00	--	ND	13.8	--		20
1,2-Dichloropropane	ND	4.00	--	ND	18.5	--		20
Bromodichloromethane	ND	4.00	--	ND	26.8	--		20
1,4-Dioxane	ND	4.00	--	ND	14.4	--		20
Trichloroethene	ND	4.00	--	ND	21.5	--		20
2,2,4-Trimethylpentane	ND	4.00	--	ND	18.7	--		20
Heptane	495	4.00	--	2030	16.4	--		20
cis-1,3-Dichloropropene	ND	4.00	--	ND	18.2	--		20
4-Methyl-2-pentanone	ND	10.0	--	ND	41.0	--		20
trans-1,3-Dichloropropene	ND	4.00	--	ND	18.2	--		20
1,1,2-Trichloroethane	ND	4.00	--	ND	21.8	--		20
Toluene	8.42	4.00	--	31.7	15.1	--		20
2-Hexanone	ND	4.00	--	ND	16.4	--		20
Dibromochloromethane	ND	4.00	--	ND	34.1	--		20
1,2-Dibromoethane	ND	4.00	--	ND	30.7	--		20
Tetrachloroethene	ND	4.00	--	ND	27.1	--		20
Chlorobenzene	ND	4.00	--	ND	18.4	--		20
Ethylbenzene	ND	4.00	--	ND	17.4	--		20



Project Name: 2455 THIRD AVENUE**Lab Number:** L1917223**Project Number:** 190051701**Report Date:** 05/09/19**SAMPLE RESULTS**

Lab ID: L1917223-01 D

Client ID: SV01_042519

Sample Location: BRONX

Date Collected: 04/25/19 11:02

Date Received: 04/25/19

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	8.00	--	ND	34.7	--		20
Bromoform	ND	4.00	--	ND	41.4	--		20
Styrene	ND	4.00	--	ND	17.0	--		20
1,1,2,2-Tetrachloroethane	ND	4.00	--	ND	27.5	--		20
o-Xylene	ND	4.00	--	ND	17.4	--		20
4-Ethyltoluene	ND	4.00	--	ND	19.7	--		20
1,3,5-Trimethylbenzene	ND	4.00	--	ND	19.7	--		20
1,2,4-Trimethylbenzene	ND	4.00	--	ND	19.7	--		20
Benzyl chloride	ND	4.00	--	ND	20.7	--		20
1,3-Dichlorobenzene	ND	4.00	--	ND	24.0	--		20
1,4-Dichlorobenzene	ND	4.00	--	ND	24.0	--		20
1,2-Dichlorobenzene	ND	4.00	--	ND	24.0	--		20
1,2,4-Trichlorobenzene	ND	4.00	--	ND	29.7	--		20
Hexachlorobutadiene	ND	4.00	--	ND	42.7	--		20

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	100		60-140



Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1917223**Report Date:** 05/09/19**SAMPLE RESULTS**

Lab ID: L1917223-01 D

Client ID: SV01_042519

Sample Location: BRONX

Date Collected: 04/25/19 11:02

Date Received: 04/25/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/30/19 02:22

Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.400	--	ND	1.02	--		20
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		20
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		20
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		20
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		20
Trichloroethene	ND	0.400	--	ND	2.15	--		20
Tetrachloroethene	0.600	0.400	--	4.07	2.71	--		20

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	98		60-140



Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1917223**Report Date:** 05/09/19**SAMPLE RESULTS**

Lab ID: L1917223-02 D

Client ID: SV04_042519

Sample Location: BRONX

Date Collected: 04/25/19 10:48

Date Received: 04/25/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 04/30/19 02:52

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.636	0.400	--	3.14	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	0.746	0.400	--	1.65	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	10.7	10.0	--	20.2	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	14.5	2.00	--	34.4	4.75	--		2
Trichlorofluoromethane	2.47	0.400	--	13.9	2.25	--		2
Isopropanol	1.33	1.00	--	3.27	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	1.58	1.00	--	4.79	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	6.86	0.400	--	21.4	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	7.81	1.00	--	23.0	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2



Project Name: 2455 THIRD AVENUE**Lab Number:** L1917223**Project Number:** 190051701**Report Date:** 05/09/19**SAMPLE RESULTS**

Lab ID: L1917223-02 D

Client ID: SV04_042519

Sample Location: BRONX

Date Collected: 04/25/19 10:48

Date Received: 04/25/19

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2
Chloroform	ND	0.400	--	ND	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	136	0.400	--	479	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	2.01	0.400	--	6.42	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	8.25	0.400	--	28.4	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	7.80	0.400	--	36.4	1.87	--		2
Heptane	53.8	0.400	--	220	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	1.44	1.00	--	5.90	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	6.25	0.400	--	23.6	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	0.806	0.400	--	5.47	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	1.56	0.400	--	6.78	1.74	--		2



Project Name: 2455 THIRD AVENUE**Lab Number:** L1917223**Project Number:** 190051701**Report Date:** 05/09/19**SAMPLE RESULTS**

Lab ID: L1917223-02 D

Client ID: SV04_042519

Sample Location: BRONX

Date Collected: 04/25/19 10:48

Date Received: 04/25/19

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	6.64	0.800	--	28.8	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	2.46	0.400	--	10.7	1.74	--		2
4-Ethyltoluene	0.900	0.400	--	4.42	1.97	--		2
1,3,5-Trimethylbenzene	0.820	0.400	--	4.03	1.97	--		2
1,2,4-Trimethylbenzene	2.86	0.400	--	14.1	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	95		60-140



Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1917223**Report Date:** 05/09/19**SAMPLE RESULTS**

Lab ID: L1917223-03 D

Client ID: SV05_042519

Sample Location: BRONX

Date Collected: 04/25/19 12:18

Date Received: 04/25/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 04/30/19 03:24

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.413	0.286	--	2.04	1.41	--		1.429
Chloromethane	0.370	0.286	--	0.764	0.591	--		1.429
Freon-114	ND	0.286	--	ND	2.00	--		1.429
Vinyl chloride	ND	0.286	--	ND	0.731	--		1.429
1,3-Butadiene	ND	0.286	--	ND	0.633	--		1.429
Bromomethane	ND	0.286	--	ND	1.11	--		1.429
Chloroethane	ND	0.286	--	ND	0.755	--		1.429
Ethanol	23.4	7.14	--	44.1	13.5	--		1.429
Vinyl bromide	ND	0.286	--	ND	1.25	--		1.429
Acetone	81.1	1.43	--	193	3.40	--		1.429
Trichlorofluoromethane	0.286	0.286	--	1.61	1.61	--		1.429
Isopropanol	1.46	0.714	--	3.59	1.76	--		1.429
1,1-Dichloroethene	ND	0.286	--	ND	1.13	--		1.429
Tertiary butyl Alcohol	1.00	0.714	--	3.03	2.16	--		1.429
Methylene chloride	ND	0.714	--	ND	2.48	--		1.429
3-Chloropropene	ND	0.286	--	ND	0.895	--		1.429
Carbon disulfide	3.34	0.286	--	10.4	0.891	--		1.429
Freon-113	ND	0.286	--	ND	2.19	--		1.429
trans-1,2-Dichloroethene	ND	0.286	--	ND	1.13	--		1.429
1,1-Dichloroethane	ND	0.286	--	ND	1.16	--		1.429
Methyl tert butyl ether	ND	0.286	--	ND	1.03	--		1.429
2-Butanone	9.48	0.714	--	28.0	2.11	--		1.429
cis-1,2-Dichloroethene	ND	0.286	--	ND	1.13	--		1.429



Project Name: 2455 THIRD AVENUE**Lab Number:** L1917223**Project Number:** 190051701**Report Date:** 05/09/19**SAMPLE RESULTS**

Lab ID: L1917223-03 D

Client ID: SV05_042519

Sample Location: BRONX

Date Collected: 04/25/19 12:18

Date Received: 04/25/19

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.714	--	ND	2.57	--		1.429
Chloroform	ND	0.286	--	ND	1.40	--		1.429
Tetrahydrofuran	0.864	0.714	--	2.55	2.11	--		1.429
1,2-Dichloroethane	ND	0.286	--	ND	1.16	--		1.429
n-Hexane	2.55	0.286	--	8.99	1.01	--		1.429
1,1,1-Trichloroethane	ND	0.286	--	ND	1.56	--		1.429
Benzene	1.86	0.286	--	5.94	0.914	--		1.429
Carbon tetrachloride	ND	0.286	--	ND	1.80	--		1.429
Cyclohexane	2.76	0.286	--	9.50	0.984	--		1.429
1,2-Dichloropropane	ND	0.286	--	ND	1.32	--		1.429
Bromodichloromethane	ND	0.286	--	ND	1.92	--		1.429
1,4-Dioxane	ND	0.286	--	ND	1.03	--		1.429
Trichloroethene	ND	0.286	--	ND	1.54	--		1.429
2,2,4-Trimethylpentane	3.29	0.286	--	15.4	1.34	--		1.429
Heptane	5.84	0.286	--	23.9	1.17	--		1.429
cis-1,3-Dichloropropene	ND	0.286	--	ND	1.30	--		1.429
4-Methyl-2-pentanone	ND	0.714	--	ND	2.93	--		1.429
trans-1,3-Dichloropropene	ND	0.286	--	ND	1.30	--		1.429
1,1,2-Trichloroethane	ND	0.286	--	ND	1.56	--		1.429
Toluene	86.9	0.286	--	327	1.08	--		1.429
2-Hexanone	ND	0.286	--	ND	1.17	--		1.429
Dibromochloromethane	ND	0.286	--	ND	2.44	--		1.429
1,2-Dibromoethane	ND	0.286	--	ND	2.20	--		1.429
Tetrachloroethene	0.822	0.286	--	5.57	1.94	--		1.429
Chlorobenzene	ND	0.286	--	ND	1.32	--		1.429
Ethylbenzene	114	0.286	--	495	1.24	--		1.429



Project Name: 2455 THIRD AVENUE**Lab Number:** L1917223**Project Number:** 190051701**Report Date:** 05/09/19**SAMPLE RESULTS**

Lab ID: L1917223-03 D

Client ID: SV05_042519

Sample Location: BRONX

Date Collected: 04/25/19 12:18

Date Received: 04/25/19

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	197	0.571	--	856	2.48	--		1.429
Bromoform	ND	0.286	--	ND	2.96	--		1.429
Styrene	0.741	0.286	--	3.15	1.22	--		1.429
1,1,2,2-Tetrachloroethane	ND	0.286	--	ND	1.96	--		1.429
o-Xylene	87.6	0.286	--	380	1.24	--		1.429
4-Ethyltoluene	8.66	0.286	--	42.6	1.41	--		1.429
1,3,5-Trimethylbenzene	14.1	0.286	--	69.3	1.41	--		1.429
1,2,4-Trimethylbenzene	12.5	0.286	--	61.5	1.41	--		1.429
Benzyl chloride	ND	0.286	--	ND	1.48	--		1.429
1,3-Dichlorobenzene	0.303	0.286	--	1.82	1.72	--		1.429
1,4-Dichlorobenzene	0.575	0.286	--	3.46	1.72	--		1.429
1,2-Dichlorobenzene	5.58	0.286	--	33.5	1.72	--		1.429
1,2,4-Trichlorobenzene	ND	0.286	--	ND	2.12	--		1.429
Hexachlorobutadiene	ND	0.286	--	ND	3.05	--		1.429

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	104		60-140



Project Name: 2455 THIRD AVENUE**Project Number:** 190051701**Lab Number:** L1917223**Report Date:** 05/09/19**SAMPLE RESULTS**

Lab ID: L1917223-04 D

Client ID: AA01_042519

Sample Location: BRONX

Date Collected: 04/25/19 12:22

Date Received: 04/25/19

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 04/29/19 19:21

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.374	0.348	--	1.85	1.72	--		1.741
Chloromethane	0.662	0.348	--	1.37	0.719	--		1.741
Freon-114	ND	0.348	--	ND	2.43	--		1.741
Vinyl chloride	ND	0.348	--	ND	0.890	--		1.741
1,3-Butadiene	ND	0.348	--	ND	0.770	--		1.741
Bromomethane	ND	0.348	--	ND	1.35	--		1.741
Chloroethane	ND	0.348	--	ND	0.918	--		1.741
Ethanol	51.7	8.70	--	97.4	16.4	--		1.741
Vinyl bromide	ND	0.348	--	ND	1.52	--		1.741
Acetone	4.16	1.74	--	9.88	4.13	--		1.741
Trichlorofluoromethane	ND	0.348	--	ND	1.96	--		1.741
Isopropanol	1.22	0.870	--	3.00	2.14	--		1.741
1,1-Dichloroethene	ND	0.348	--	ND	1.38	--		1.741
Tertiary butyl Alcohol	ND	0.870	--	ND	2.64	--		1.741
Methylene chloride	1.18	0.870	--	4.10	3.02	--		1.741
3-Chloropropene	ND	0.348	--	ND	1.09	--		1.741
Carbon disulfide	ND	0.348	--	ND	1.08	--		1.741
Freon-113	ND	0.348	--	ND	2.67	--		1.741
trans-1,2-Dichloroethene	ND	0.348	--	ND	1.38	--		1.741
1,1-Dichloroethane	ND	0.348	--	ND	1.41	--		1.741
Methyl tert butyl ether	ND	0.348	--	ND	1.25	--		1.741
2-Butanone	ND	0.870	--	ND	2.57	--		1.741
cis-1,2-Dichloroethene	ND	0.348	--	ND	1.38	--		1.741



Project Name: 2455 THIRD AVENUE**Lab Number:** L1917223**Project Number:** 190051701**Report Date:** 05/09/19**SAMPLE RESULTS**

Lab ID: L1917223-04 D

Client ID: AA01_042519

Sample Location: BRONX

Date Collected: 04/25/19 12:22

Date Received: 04/25/19

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.870	--	ND	3.14	--		1.741
Chloroform	ND	0.348	--	ND	1.70	--		1.741
Tetrahydrofuran	ND	0.870	--	ND	2.57	--		1.741
1,2-Dichloroethane	ND	0.348	--	ND	1.41	--		1.741
n-Hexane	0.404	0.348	--	1.42	1.23	--		1.741
1,1,1-Trichloroethane	ND	0.348	--	ND	1.90	--		1.741
Benzene	0.366	0.348	--	1.17	1.11	--		1.741
Carbon tetrachloride	ND	0.348	--	ND	2.19	--		1.741
Cyclohexane	ND	0.348	--	ND	1.20	--		1.741
1,2-Dichloropropane	ND	0.348	--	ND	1.61	--		1.741
Bromodichloromethane	ND	0.348	--	ND	2.33	--		1.741
1,4-Dioxane	ND	0.348	--	ND	1.25	--		1.741
Trichloroethene	ND	0.348	--	ND	1.87	--		1.741
2,2,4-Trimethylpentane	0.971	0.348	--	4.54	1.63	--		1.741
Heptane	ND	0.348	--	ND	1.43	--		1.741
cis-1,3-Dichloropropene	ND	0.348	--	ND	1.58	--		1.741
4-Methyl-2-pentanone	ND	0.870	--	ND	3.57	--		1.741
trans-1,3-Dichloropropene	ND	0.348	--	ND	1.58	--		1.741
1,1,2-Trichloroethane	ND	0.348	--	ND	1.90	--		1.741
Toluene	1.96	0.348	--	7.39	1.31	--		1.741
2-Hexanone	ND	0.348	--	ND	1.43	--		1.741
Dibromochloromethane	ND	0.348	--	ND	2.96	--		1.741
1,2-Dibromoethane	ND	0.348	--	ND	2.67	--		1.741
Tetrachloroethene	ND	0.348	--	ND	2.36	--		1.741
Chlorobenzene	ND	0.348	--	ND	1.60	--		1.741
Ethylbenzene	ND	0.348	--	ND	1.51	--		1.741



Project Name: 2455 THIRD AVENUE**Lab Number:** L1917223**Project Number:** 190051701**Report Date:** 05/09/19**SAMPLE RESULTS**

Lab ID: L1917223-04 D

Client ID: AA01_042519

Sample Location: BRONX

Date Collected: 04/25/19 12:22

Date Received: 04/25/19

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.944	0.696	--	4.10	3.02	--		1.741
Bromoform	ND	0.348	--	ND	3.60	--		1.741
Styrene	ND	0.348	--	ND	1.48	--		1.741
1,1,2,2-Tetrachloroethane	ND	0.348	--	ND	2.39	--		1.741
o-Xylene	ND	0.348	--	ND	1.51	--		1.741
4-Ethyltoluene	ND	0.348	--	ND	1.71	--		1.741
1,3,5-Trimethylbenzene	ND	0.348	--	ND	1.71	--		1.741
1,2,4-Trimethylbenzene	ND	0.348	--	ND	1.71	--		1.741
Benzyl chloride	ND	0.348	--	ND	1.80	--		1.741
1,3-Dichlorobenzene	ND	0.348	--	ND	2.09	--		1.741
1,4-Dichlorobenzene	ND	0.348	--	ND	2.09	--		1.741
1,2-Dichlorobenzene	ND	0.348	--	ND	2.09	--		1.741
1,2,4-Trichlorobenzene	ND	0.348	--	ND	2.58	--		1.741
Hexachlorobutadiene	ND	0.348	--	ND	3.71	--		1.741

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	75		60-140
Bromochloromethane	79		60-140
chlorobenzene-d5	78		60-140



Project Name: 2455 THIRD AVENUE**Lab Number:** L1917223**Project Number:** 190051701**Report Date:** 05/09/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/29/19 18:49

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1231593-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 2455 THIRD AVENUE

Lab Number: L1917223

Project Number: 190051701

Report Date: 05/09/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/29/19 18:49

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1231593-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



Project Name: 2455 THIRD AVENUE

Lab Number: L1917223

Project Number: 190051701

Report Date: 05/09/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/29/19 18:49

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1231593-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 2455 THIRD AVENUE**Lab Number:** L1917223**Project Number:** 190051701**Report Date:** 05/09/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/29/19 18:49

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01 Batch: WG1231596-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917223

Report Date: 05/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1231593-3								
Propylene	122		-		70-130	-		
Dichlorodifluoromethane	102		-		70-130	-		
Chloromethane	104		-		70-130	-		
Freon-114	102		-		70-130	-		
Vinyl chloride	105		-		70-130	-		
1,3-Butadiene	121		-		70-130	-		
Bromomethane	94		-		70-130	-		
Chloroethane	113		-		70-130	-		
Ethanol	83		-		40-160	-		
Vinyl bromide	95		-		70-130	-		
Acetone	82		-		40-160	-		
Trichlorofluoromethane	97		-		70-130	-		
Isopropanol	91		-		40-160	-		
1,1-Dichloroethene	101		-		70-130	-		
Tertiary butyl Alcohol	95		-		70-130	-		
Methylene chloride	99		-		70-130	-		
3-Chloropropene	117		-		70-130	-		
Carbon disulfide	100		-		70-130	-		
Freon-113	102		-		70-130	-		
trans-1,2-Dichloroethene	102		-		70-130	-		
1,1-Dichloroethane	105		-		70-130	-		
Methyl tert butyl ether	106		-		70-130	-		
Vinyl acetate	108		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917223

Report Date: 05/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1231593-3								
2-Butanone	106		-		70-130	-		
cis-1,2-Dichloroethene	112		-		70-130	-		
Ethyl Acetate	109		-		70-130	-		
Chloroform	101		-		70-130	-		
Tetrahydrofuran	116		-		70-130	-		
1,2-Dichloroethane	102		-		70-130	-		
n-Hexane	111		-		70-130	-		
1,1,1-Trichloroethane	104		-		70-130	-		
Benzene	107		-		70-130	-		
Carbon tetrachloride	100		-		70-130	-		
Cyclohexane	114		-		70-130	-		
1,2-Dichloropropane	112		-		70-130	-		
Bromodichloromethane	104		-		70-130	-		
1,4-Dioxane	108		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	114		-		70-130	-		
Heptane	110		-		70-130	-		
cis-1,3-Dichloropropene	114		-		70-130	-		
4-Methyl-2-pentanone	112		-		70-130	-		
trans-1,3-Dichloropropene	95		-		70-130	-		
1,1,2-Trichloroethane	107		-		70-130	-		
Toluene	102		-		70-130	-		
2-Hexanone	112		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917223

Report Date: 05/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1231593-3								
Dibromochloromethane	98		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		
Tetrachloroethene	94		-		70-130	-		
Chlorobenzene	102		-		70-130	-		
Ethylbenzene	104		-		70-130	-		
p/m-Xylene	105		-		70-130	-		
Bromoform	94		-		70-130	-		
Styrene	104		-		70-130	-		
1,1,2,2-Tetrachloroethane	108		-		70-130	-		
o-Xylene	107		-		70-130	-		
4-Ethyltoluene	104		-		70-130	-		
1,3,5-Trimethylbenzene	104		-		70-130	-		
1,2,4-Trimethylbenzene	107		-		70-130	-		
Benzyl chloride	100		-		70-130	-		
1,3-Dichlorobenzene	98		-		70-130	-		
1,4-Dichlorobenzene	99		-		70-130	-		
1,2-Dichlorobenzene	100		-		70-130	-		
1,2,4-Trichlorobenzene	109		-		70-130	-		
Hexachlorobutadiene	106		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 2455 THIRD AVENUE

Project Number: 190051701

Lab Number: L1917223

Report Date: 05/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG1231596-3								
Vinyl chloride	103		-		70-130	-		25
1,1-Dichloroethene	100		-		70-130	-		25
cis-1,2-Dichloroethene	105		-		70-130	-		25
1,1,1-Trichloroethane	102		-		70-130	-		25
Carbon tetrachloride	99		-		70-130	-		25
Trichloroethene	101		-		70-130	-		25
Tetrachloroethene	97		-		70-130	-		25

Project Name: 2455 THIRD AVENUE

Serial_No:05091910:48
Lab Number: L1917223

Project Number: 190051701

Report Date: 05/09/19

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1917223-01	SV01_042519	0365	Flow 5	04/24/19	290355		-	-	-	Pass	40.0	41.2	3
L1917223-01	SV01_042519	1715	6.0L Can	04/24/19	290355	L1915399-02	Pass	-29.6	-3.7	-	-	-	-
L1917223-02	SV04_042519	0646	Flow 4	04/24/19	290355		-	-	-	Pass	40.0	40.8	2
L1917223-02	SV04_042519	738	6.0L Can	04/24/19	290355	L1915399-02	Pass	-29.6	-4.2	-	-	-	-
L1917223-03	SV05_042519	0152	Flow 3	04/24/19	290355		-	-	-	Pass	40.0	43.6	9
L1917223-03	SV05_042519	1972	6.0L Can	04/24/19	290355	L1915399-02	Pass	-29.6	-3.8	-	-	-	-
L1917223-04	AA01_042519	0042	Flow 2	04/24/19	290355		-	-	-	Pass	40.0	76	62
L1917223-04	AA01_042519	958	6.0L Can	04/24/19	290355	L1915399-02	Pass	-29.3	-16.0	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1915399
Report Date: 05/09/19

Air Canister Certification Results

Lab ID: L1915399-02
Client ID: CAN 2261 SHELF 34
Sample Location:

Date Collected: 04/15/19 16:00
Date Received: 04/16/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 04/19/19 17:49
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1915399
Report Date: 05/09/19

Air Canister Certification Results

Lab ID: L1915399-02
Client ID: CAN 2261 SHELF 34
Sample Location:

Date Collected: 04/15/19 16:00
Date Received: 04/16/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1915399
Report Date: 05/09/19

Air Canister Certification Results

Lab ID: L1915399-02
Client ID: CAN 2261 SHELF 34
Sample Location:

Date Collected: 04/15/19 16:00
Date Received: 04/16/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1915399
Report Date: 05/09/19

Air Canister Certification Results

Lab ID: L1915399-02
Client ID: CAN 2261 SHELF 34
Sample Location:

Date Collected: 04/15/19 16:00
Date Received: 04/16/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1915399**Project Number:** CANISTER QC BAT**Report Date:** 05/09/19**Air Canister Certification Results**

Lab ID: L1915399-02

Date Collected: 04/15/19 16:00

Client ID: CAN 2261 SHELF 34

Date Received: 04/16/19

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	98		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1915399
Report Date: 05/09/19

Air Canister Certification Results

Lab ID: L1915399-02
Client ID: CAN 2261 SHELF 34
Sample Location:

Date Collected: 04/15/19 16:00
Date Received: 04/16/19
Field Prep: Not Specified

Sample Depth:

Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 04/19/19 17:49
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1915399
Report Date: 05/09/19

Air Canister Certification Results

Lab ID: L1915399-02
Client ID: CAN 2261 SHELF 34
Sample Location:

Date Collected: 04/15/19 16:00
Date Received: 04/16/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1915399
Report Date: 05/09/19

Air Canister Certification Results

Lab ID: L1915399-02
Client ID: CAN 2261 SHELF 34
Sample Location:

Date Collected: 04/15/19 16:00
Date Received: 04/16/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	93		60-140



Project Name: 2455 THIRD AVENUE**Lab Number:** L1917223**Project Number:** 190051701**Report Date:** 05/09/19**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1917223-01A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L1917223-02A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1917223-03A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1917223-04A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)

Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917223
Report Date: 05/09/19

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.
LCS D	- 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: Data Usability Report



Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917223
Report Date: 05/09/19

- 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. 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 reporting limit (RL) for the sample.
- 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: Data Usability Report



Project Name: 2455 THIRD AVENUE
Project Number: 190051701

Lab Number: L1917223
Report Date: 05/09/19

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 12

Department: **Quality Assurance**

Published Date: 10/9/2018 4:58:19 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

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, 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, **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.

**Phase II ESI
Soil Boring Logs**

Project 2455 Third Avenue			Project No. 190051701		
Location Bronx, New York			Elevation and Datum N/A		
Drilling Company AARCO Environmental Services Corp			Date Started 4/24/19		Date Finished 4/24/19
Drilling Equipment Geoprobe 6610 DT			Completion Depth 16 ft		Rock Depth N/A
Size and Type of Bit 2-inch OD Direct Push			Number of Samples	Disturbed 4	Undisturbed N/A
Casing Diameter (in) N/A	Casing Depth (ft) N/A	Water Level (ft.) First 5	Completion N/A	24 HR. N/A	
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Sergio Magana		
Sampler 4-foot Stainless Steel Macrocore Sampler			Field Engineer Kevin Garrett		
Sampler Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. (psi)	PID Reading (ppm)	
		R1a (0-6") CONCRETE	0						
		R1b (6-22") unconsolidated, black, fine SAND, trace fine gravel, slag (dry) [FILL]	1					0.0	SB03_1-3 collected
		R1c (22-36") consolidated, gray, fine SAND, trace fine gravel, trace silt (wet) [FILL]	2	R1	MACROCORE	36/48	NA	0.0	
			3					0.0	
		R2a (0-28") unconsolidated, black to brown, silty fine SAND (wet) [FILL]	5					0.0	SB03_5-7 collected
			6	R2	MACROCORE	37/48	NA	0.0	
		R2b (28-30") consolidated, gray, medium SAND (wet)	7					0.0	
		R2c (30-37") consolidated, gray, fine SAND (moist)	8					0.0	
		R3a (0-3") unconsolidated, black, fine SAND (wet)	9					0.0	
		R3b (3-26") soft, brown, PEAT, organic material (moist)	10	R3	MACROCORE	38/48	NA	0.0	
			11					0.0	
		R3c (26-38") consolidated, brown, fine SAND, trace silt (wet)	12					0.0	
		R4 (0-32") consolidated, brown, fine SAND, trace silt, coarsening downwards to medium sand (wet)	13					0.0	
			14	R4	MACROCORE	32/48	NA	0.0	
			15					0.0	
			16					0.0	
			17						End of boring at 16 feet below sidewalk grade. Cuttings backfilled and borehole patched with concrete.
			18						

Project 2455 Third Avenue				Project No. 190051701			
Location Bronx, New York				Elevation and Datum N/A			
Drilling Company AARCO Environmental Services Corp				Date Started 4/24/19		Date Finished 4/24/19	
Drilling Equipment Geoprobe 6610 DT				Completion Depth 16 ft		Rock Depth N/A	
Size and Type of Bit 2-inch OD Direct Push				Number of Samples 4		Undisturbed N/A	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First ∇ 10		Core N/A	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Completion N/A	
Sampler 4-foot Stainless Steel Macrocore Sampler				Drilling Foreman Sergio Magana			
Sampler Hammer N/A				Field Engineer Kevin Garrett			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	PID Reading (ppm)	
		R1a (0-7") CONCRETE	0						
		R1b (7-14") consolidated, brown, fine SAND, some fine gravel, brick (dry) [FILL]	1					0.0	
			2	R1	MACROCORE	14/48	NA	0.0	
			3						
			4						
			5	R2	MACROCORE	19/48	NA	0.0	
		R2a (0-13") consolidated, brown, fine gravelly fine SAND, wood, brick (dry) [FILL]	6					0.0	
			7					0.0	SB04_6-8 collected
		R2b (13-19") consolidated, brown, fine SAND, trace fine gravel (dry) [FILL]	8					0.0	
			9						
		R3 (0-29") consolidated, brown, fine SAND, some silt (dry to wet)	10	R3	MACROCORE	29/48	NA	0.0	SB04_9-11 collected
			11					0.0	
			12					0.0	
			13	R4	MACROCORE	35/48	NA	0.0	
		R4 (0-35") consolidated, brown, fine SAND, coarsening downwards to medium sand (wet)	14					0.0	
			15					0.0	
			16					0.0	
			17					0.0	
			18					0.0	End of boring at 16 feet below sidewalk grade. Cuttings backfilled and borehole patched with concrete.

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Project 2455 Third Avenue				Project No. 190051701			
Location Bronx, New York				Elevation and Datum N/A			
Drilling Company AARCO Environmental Services Corp				Date Started 4/24/19		Date Finished 4/24/19	
Drilling Equipment Geoprobe 6610 DT				Completion Depth 16 ft		Rock Depth N/A	
Size and Type of Bit 2-inch OD Direct Push				Number of Samples 4		Disturbed N/A	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First ∇ 7		Undisturbed N/A	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Core N/A	
Sampler 4-foot Stainless Steel Macrocore Sampler				Drilling Foreman Sergio Magana			
Sampler Hammer N/A				Field Engineer Kevin Garrett			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. (psi)	PID Reading (ppm)	
		R1a (0-9") CONCRETE	0					1.2	SB05_0-2 collected
		R1b (9-22") consolidated, black, fine SAND, trace fine gravel, wood, slag (dry) [FILL]	1					10.2	
		R1c (22-34") consolidated, brown, fine SAND, trace fine gravel, slag (dry) [FILL]	2					0.7	
		R2a (0-18") unconsolidated, brown, fine SAND, trace silt (moist) [FILL]	3					0.5	SB05_6-8 collected
		R2b (18-32") unconsolidated, brown, fine SAND, some silt, trace fine gravel (wet) [FILL]	4					0.0	
			5					0.0	
		R3a (0-21") soft, dark gray, PEAT, organic material (moist)	6					0.0	
			7					0.0	
			8					0.0	
		R3b (21-43") unconsolidated, brown, fine SAND, organic material (wet)	9					0.0	
			10					0.0	
			11					0.0	
		R4a (0-33") consolidated, gray, fine SAND (wet)	12					0.0	
			13					0.0	
			14					0.0	
		R4b (33-44") unconsolidated, brown, medium SAND, trace fine sand (wet)	15					0.0	
			16					0.0	
			17					0.0	
			18					0.0	End of boring at 16 feet below sidewalk grade. Cuttings backfilled and borehole patched with concrete.

Project 2455 Third Avenue			Project No. 190051701		
Location Bronx, New York			Elevation and Datum N/A		
Drilling Company AARCO Environmental Services Corp			Date Started 4/24/19		Date Finished 4/24/19
Drilling Equipment Geoprobe 6610 DT			Completion Depth 16 ft		Rock Depth N/A
Size and Type of Bit 2-inch OD Direct Push			Number of Samples	Disturbed 4	Undisturbed N/A
Casing Diameter (in) N/A			Casing Depth (ft) N/A	Water Level (ft.) First 9	Completion N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Sergio Magana		
Sampler 4-foot Stainless Steel Macrocore Sampler			Field Engineer Kevin Garrett		
Sampler Hammer N/A			Weight (lbs) N/A		
Drop (in) N/A					

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	PID Reading (ppm)	
		R1a (0-13") consolidated, black, fine SAND, trace fine gravel, brick, glass, slag (dry) [FILL] R1b (13-18") consolidated, brown, fine SAND, some fine gravel, brick (dry) [FILL] R1c (18-24") consolidated, red and black, fine SAND, some fine gravel, brick (dry) [FILL]	0	R1	MACROCORE	24/48	NA	0.0	SB06_0-2 collected
			1					0.0	
			2					0.0	
			3						
		R2a (0-10") unconsolidated, tan, fine SAND, trace fine gravel (dry) [FILL] R2b (10-27") unconsolidated, brown, fine SAND, trace silt (moist)	4	R2	MACROCORE	27/48	NA		SB06_9-11 collected
			5						
			6					0.0	
			7					0.0	
			8	R3	MACROCORE	36/48	NA	0.0	
			9					0.0	
			10					0.0	
			11					0.0	
		R3 (0-36") unconsolidated, brown, fine SAND, coarsening downwards to medium sand (wet)	12	R4	MACROCORE	44/48	NA	0.0	
			13					0.0	
			14					0.0	
			15					0.0	
		R4a (0-36") unconsolidated, brown, medium SAND, trace fine sand (wet)	16					0.0	End of boring at 16 feet below sidewalk grade. Cuttings backfilled and borehole patched with concrete.
		R4b (36-44") soft, brown, fine sandy SILT (wet)	17						
			18						

Project 2455 Third Avenue				Project No. 190051701				
Location Bronx, New York				Elevation and Datum N/A				
Drilling Company AARCO Environmental Services Corp				Date Started 4/24/19		Date Finished 4/24/19		
Drilling Equipment Geoprobe 6610 DT				Completion Depth 16 ft		Rock Depth N/A		
Size and Type of Bit 2-inch OD Direct Push				Number of Samples		Disturbed 4	Undisturbed N/A	Core N/A
Casing Diameter (in) N/A			Casing Depth (ft) N/A	Water Level (ft.) First ▽ 9		Completion ▼ N/A	24 HR. ▽ N/A	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A	Drilling Foreman Sergio Magana			
Sampler 4-foot Stainless Steel Macrocore Sampler					Field Engineer Kevin Garrett			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A				

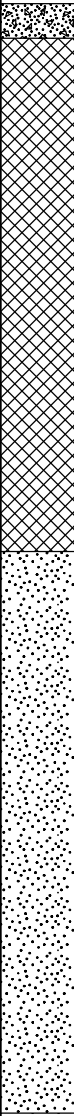
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	PID Reading (ppm)	
		R1a (0-17") consolidated, dark brown, fine SAND, some fine gravel, brick, concrete, slag (dry) [FILL]	0					0.0	SB07_0-2 collected
		R1b (17-35") consolidated, brown fine SAND, trace silt (moist) [FILL]	1					0.0	
			2	R1	MACROCORE	35/48	NA	0.0	
			3					0.0	
		R2 (0-35") unconsolidated, brown, fine SAND, trace silt (dry) [FILL]	4					0.0	SB07_9-11 collected
			5	R2	MACROCORE	35/48	NA	0.0	
			6					0.0	
			7					0.0	
			8					0.0	
		R3 (0-34") consolidated, brown, fine SAND, trace silt, trace fine gravel (wet)	9					0.0	
			10	R3	MACROCORE	35/48	NA	0.0	
			11					0.0	
			12					0.0	
		R4a (0-26") consolidated, brown, fine SAND, trace silt (wet)	13					0.0	
		R4b (26-46") consolidated, brown, medium SAND, trace fine sand (wet)	14	R4	MACROCORE	46/48	NA	0.0	
			15					0.0	
			16					0.0	
			17						End of boring at 16 feet below sidewalk grade. Cuttings backfilled and borehole patched with concrete.
			18						

Project 2455 Third Avenue				Project No. 190051701				
Location Bronx, New York				Elevation and Datum N/A				
Drilling Company AARCO Environmental Services Corp				Date Started 4/24/19		Date Finished 4/24/19		
Drilling Equipment Geoprobe 6610 DT				Completion Depth 16 ft		Rock Depth N/A		
Size and Type of Bit 2-inch OD Direct Push				Number of Samples		Disturbed 4	Undisturbed N/A	Core N/A
Casing Diameter (in) N/A			Casing Depth (ft) N/A	Water Level (ft.) First ▽ 9.5		Completion ▼ N/A	24 HR. ▽ N/A	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A	Drilling Foreman Sergio Magana			
Sampler 4-foot Stainless Steel Macrocore Sampler					Field Engineer Kevin Garrett			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A				

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	PID Reading (ppm)	
		R1a (0-8") CONCRETE	0						
		R1b (8-19") consolidated, brown, fine SAND, trace fine gravel, brick (dry) [FILL]	1					0.0	SB08_0-2 collected
		R1c (19-34") unconsolidated, brown, fine SAND, trace silt (dry) [FILL]	2	R1	MACROCORE	34/48	NA	0.0	
			3					0.0	
			4					0.0	
		R2 (0-33") unconsolidated, brown, fine SAND, trace silt (dry) [FILL]	5	R2	MACROCORE	33/48	NA	0.0	SB08_9-11 collected
			6					0.0	
			7					0.0	
			8					0.0	
		R3a (0-5") unconsolidated, tan, fine SAND, trace silt (wet)	9	R3	MACROCORE	33/48	NA	0.0	
		R3b (5-24") unconsolidated, brown, fine SAND, trace silt (wet)	10					0.0	
		R3c (24-33") unconsolidated, light brown, fine SAND (wet)	11					0.0	
			12					0.0	
		R4 (0-37") unconsolidated, brown, fine SAND, coarsening downwards to medium sand (wet)	13	R4	MACROCORE	37/48	NA	0.0	
			14					0.0	
			15					0.0	
			16					0.0	
			17					0.0	
			18					0.0	

End of boring at 16 feet below sidewalk grade. Cuttings backfilled and borehole patched with concrete.

Project 2455 Third Avenue				Project No. 190051701			
Location Bronx, New York				Elevation and Datum N/A			
Drilling Company AARCO Environmental Services Corp				Date Started 4/24/19		Date Finished 4/24/19	
Drilling Equipment Geoprobe 6610 DT				Completion Depth 16 ft		Rock Depth N/A	
Size and Type of Bit 2-inch OD Direct Push				Number of Samples		Disturbed 4	
Casing Diameter (in) N/A				Casing Depth (ft) N/A		Undisturbed N/A	
Casing Hammer N/A				Weight (lbs) N/A		Drop (in) N/A	
Sampler 4-foot Stainless Steel Macrocore Sampler				Drilling Foreman Sergio Magana			
Sampler Hammer N/A				Weight (lbs) N/A		Drop (in) N/A	
				Field Engineer Kevin Garrett			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)			
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID Reading (ppm)				
		R1a (0-6") CONCRETE	0	R1	MACROCORE	32/48	NA	0.0 0.0 0.0 0.0	SB09_1-3 collected			
	R1b (6-32") consolidated, black and brown, fine SAND, some fine gravel, slag, brick, tile (dry) [FILL]	1										
		2										
		3										
	R2a (0-16") unconsolidated, gray, fine GRAVEL, some fine sand, concrete, brick (dry) [FILL]	4	R2	MACROCORE	18/48	NA	0.0 0.0 0.0					
		5										
		6										
	R2b (16-18") consolidated, brown, fine SAND (moist)	7	R3	MACROCORE	31/48	NA	0.0 0.0 0.0 0.0					
		8										
		9										
	R3 (0-31") consolidated, brown, fine SAND grading into medium sand (wet)	10	R4	NR	0/48	NA	0.0 0.0 0.0					
		11										
		12										
	R4 NO RECOVERY	13										
		14										
		15										
				16					End of boring at 16 feet below sidewalk grade. Cuttings backfilled and borehole patched with concrete.			
				17								
			18									

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Project 2455 Third Avenue				Project No. 190051701			
Location Bronx, New York				Elevation and Datum N/A			
Drilling Company AARCO Environmental Services Corp				Date Started 4/25/19		Date Finished 4/25/19	
Drilling Equipment Geoprobe 6610 DT				Completion Depth 16 ft		Rock Depth N/A	
Size and Type of Bit 2-inch OD Direct Push				Number of Samples 4		Undisturbed N/A	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First ∇ 7.5		Completion ∇ N/A	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Sergio Magana	
Sampler 4-foot Stainless Steel Macrocore Sampler				Field Engineer Kevin Garrett			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID Reading (ppm)		
		R1a (0-7") CONCRETE	0	R1	MACROCORE	25/48	NA	0.0	SB10_0-2 collected	
		R1b (7-25") consolidated, brown and black, fine SAND, some fine gravel, brick, concrete (dry) [FILL]	1					0.0		
			2					0.0		
			3					0.0		
		R2a (0-19") unconsolidated, brown, fine SAND, trace fine gravel (dry) [FILL]	4	R2	MACROCORE	23/48	NA	0.0	SB10_6-8 collected	
			5					0.0		
			6					0.0		
			7					0.0		
		R2b (19-23") unconsolidated, brown, fine SAND (wet)	8	R3	MACROCORE	31/48	NA	0.0		SB10_6-8 collected
			9					0.0		
		R3a (0-21") unconsolidated, brown, fine SAND (wet)	10					0.0		
		R3b (21-31") unconsolidated, brown, medium SAND, some fine sand (wet)	11					0.0		
		R4a (0-30") unconsolidated, brown, medium SAND, trace fine sand (wet)	12	R4	MACROCORE	33/48	NA	0.0	SB10_6-8 collected	
								13		0.0
								14		0.0
								15		0.0
		R4b (30-33") unconsolidated, gray, fine SAND (wet)	16					0.0	End of boring at 16 feet below sidewalk grade. Cuttings backfilled and borehole patched with concrete.	
			17					0.0		
			18					0.0		
			19					0.0		

Project				Project No.							
2455 Third Avenue				190051701							
Location				Elevation and Datum							
Bronx, New York				N/A							
Drilling Company				Date Started		Date Finished					
AARCO Environmental Services Corp				4/25/19		4/25/19					
Drilling Equipment				Completion Depth		Rock Depth					
Geoprobe 6610 DT				16 ft		N/A					
Size and Type of Bit				Number of Samples		Disturbed		Undisturbed		Core	
2-inch OD Direct Push						4		N/A		N/A	
Casing Diameter (in)			Casing Depth (ft)	Water Level (ft.)		First		Completion		24 HR.	
N/A			N/A			9.3		N/A		N/A	
Casing Hammer		Weight (lbs)		Drop (in)		Drilling Foreman					
N/A		N/A		N/A		Sergio Magana					
Sampler				Field Engineer							
4-foot Stainless Steel Macrocore Sampler				Kevin Garrett							
Sampler Hammer		Weight (lbs)		Drop (in)							
N/A		N/A		N/A							

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	BL/6in	PID Reading (ppm)	
		R1a (0-6") CONCRETE	0							
		R1b (6-10") unconsolidated, black, fine SAND, trace fine gravel, plastic, metal (dry) [FILL]	1						0.0	
		R1c (10-18") consolidated, light gray, fine GRAVEL, some fine sand, concrete (dry) [FILL]	2						0.0	
		R1d (18-28") consolidated, black, fine SAND, trace fine gravel, slag (dry) [FILL]	3						0.0	
		R1e (28-44") consolidated, brown, fine SAND, trace fine gravel (dry) [FILL]	4						0.0	
			5						0.0	
		R2a (0-16") consolidated, dark brown, fine SAND, trace fine gravel, brick (dry) [FILL]	6						0.0	
			7						0.0	
		R2b (16-32") consolidated, light brown, fine SAND, trace silt (moist)	8						0.0	
			9						0.0	
		R3 (0-32") consolidated, brown, fine SAND (wet)	10						0.0	
			11						0.0	
			12						0.0	
			13						0.0	
		R4a (0-10") unconsolidated, brown, fine SAND (wet)	14						0.0	
		R4b (10-32") consolidated, brown, medium SAND, some fine sand (wet)	15						0.0	
			16						0.0	
			17							End of boring at 16 feet below sidewalk grade. Cuttings backfilled and borehole patched with concrete.
			18							

\\LANGAN.COM\DATA\WPW\DATA7\190051701\PROJECT DATA - DISCIPLINE\ENVIRONMENTAL\GINTLOGS\2455 THIRD AVE PHASE II - GINT.GPJ ... 8/19/2019 12:10:10 PM ... Report Log - LANGAN

**Phase II ESI
Groundwater Sampling Logs**

[illegible]

Groundwater Depth Summary
Limited Phase II Environmental Site Investigation
2455 Third Avenue
Bronx, New York
Langan Project No. 190051701

Date Gauged	Well Location	Well Diameter (in.)	Screened Interval (feet bTOC)	Depth to Groundwater (feet bTOC)
4/25/2019	MW04	1	6-16	7.37
4/25/2019	MW05	1	5-15	8.25

Notes:

1. bTOC = below top of casing

**Phase II ESI
Soil Vapor Logs**

SOIL VAPOR SAMPLING LOG SHEET

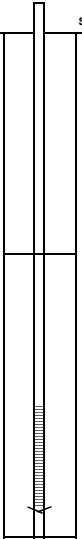
Sample Number: SV04_042519

PROJECT: 2455 Third Avenue		PROJECT NO.: 190051701			
LOCATION: Bronx, NY		SURFACE ELEVATION AND DATUM: N/A			
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.		INSTALLATION DATE STARTED: 4/24/2019		DATE FINISHED: 4/24/2019	
INSTALLATION FOREMAN: Sergio Magana		SAMPLE DATE STARTED: 4/25/2019		DATE FINISHED: 4/25/2019	
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister			
INSPECTOR: Kevin Garrett		SAMPLER: Kevin Garrett			
POTENTIAL SAMPLE INTERFERENCES: None		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 50s-60s Wind: SSE 5-10 mph Precipitation: None Pressure: 29.95			
METHOD OF INSTALLATION AND PURGING: Advance Geoprobe 6610 DT to 5 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 2 feet bgs, seal to surface with hydrated bentonite.					
TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: None			
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite			
BOREHOLE DIAMETER: 2 in		FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 Sand			
PURGE VOLUME (L):	0.20	IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES
PURGE FLOW RATE (ML/MIN):	200				
PID AFTER PURGE (PPM):	0.1	SURFACE		SURFACE	
HELIUM TESTS				0.00	
Pre-sampling Post-sampling					
HELIUM TEST IN BUCKET(%):					
17.4% 15.2%					
HELIUM TEST IN TUBE (PPM):					
0.0% 0.0%					
SAMPLE START TIME:					
8:48					
SAMPLE STOP TIME:					
10:48					
TOTAL SAMPLE TIME (MIN):		120		2.00	
REGULATOR FLOW RATE (L/MIN):		0.05			
VOLUME OF SAMPLE (LITERS):		6			
PID AFTER SAMPLE (PPM):		0			
SAMPLE MOISTURE CONTENT:		N/A			
CAN SERIAL NUMBER:		738			
REGULATOR SERIAL NUMBER:		646			
CAN START VACUUM PRESS. (" HG):		-29.82			
CAN STOP VACUUM PRESS. (" HG):		-4.26			
Probe Depth		5.00			
See Sample Location Plan					

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV05_042519

PROJECT: 2455 Third Avenue		PROJECT NO.: 190051701			
LOCATION: Bronx, NY		SURFACE ELEVATION AND DATUM: N/A			
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.		INSTALLATION DATE STARTED: 4/24/2019		DATE FINISHED: 4/24/2019	
INSTALLATION FOREMAN: Sergio Magana		SAMPLE DATE STARTED: 4/25/2019		DATE FINISHED: 4/25/2019	
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister			
INSPECTOR: Kevin Garrett		SAMPLER: Kevin Garrett			
POTENTIAL SAMPLE INTERFERENCES: None		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 50s-60s Wind: SSE 5-10 mph Precipitation: None Pressure: 29.95			
METHOD OF INSTALLATION AND PURGING: Advance Geoprobe 6610 DT to 5 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 2 feet bgs, seal to surface with hydrated bentonite.					
TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: None			
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite			
BOREHOLE DIAMETER: 2 in		FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 Sand			
PURGE VOLUME (L):	0.20	IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES
PURGE FLOW RATE (ML/MIN):	200				
PID AFTER PURGE (PPM):	0	SURFACE		SURFACE	
HELIUM TESTS	Pre-sampling Post-sampling			Top of Seal	0.00
HELIUM TEST IN BUCKET(%):	18.2% 16.6%				
HELIUM TEST IN TUBE (PPM):	0.0% 0.0%				
SAMPLE START TIME:	10:20				
SAMPLE STOP TIME:	12:18				
TOTAL SAMPLE TIME (MIN):	118				
REGULATOR FLOW RATE (L/MIN):	0.05	Top of Pack		2.00	
VOLUME OF SAMPLE (LITERS):	6				
PID AFTER SAMPLE (PPM):	0				
SAMPLE MOISTURE CONTENT:	N/A				
CAN SERIAL NUMBER:	1972				
REGULATOR SERIAL NUMBER:	152				
CAN START VACUUM PRESS. (" HG):	-29.72	Probe Depth		5.00	
CAN STOP VACUUM PRESS. (" HG):	-5				
SAMPLE LOCATION SKETCH					
See Sample Location Plan		NOTES			
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AIR SAMPLING LOG SHEET

Sample Number: AA01_042519

PROJECT: 2455 Third Avenue		PROJECT NO.: 190051701	
LOCATION: Bronx, NY		SURFACE ELEVATION AND DATUM: N/A	
SAMPLER: Kevin Garrett		SAMPLE DATE STARTED: 4/25/2019	DATE FINISHED: 4/25/2019
INSPECTOR: Kevin Garrett		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister	
POTENTIAL SAMPLE INTERFERENCES: None		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 50s-60s Wind: SSE 5-10 mph Precipitation: None Pressure: 29.95	
METHOD OF INSTALLATION AND SAMPLING: Sample consisted of 6L Summa canister fitted with an 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection. The sample and flow controller were checked each hour during sampling to ensure proper operation.			
SAMPLE DETAILS		SAMPLE LOCATION SKETCH	
HEIGHT ABOVE GROUND (FT):	4	See Sample Location Plan	
PID BEFORE SAMPLE (PPM):	0.0		
SAMPLE START TIME:	10:22		
SAMPLE STOP TIME:	12:22		
TOTAL SAMPLE TIME (MIN):	120		
REGULATOR FLOW RATE (L/MIN):	0.05		
VOLUME OF SAMPLE (LITERS):	6		
PID AFTER SAMPLE (PPM):	0.0		
SAMPLE MOISTURE CONTENT:	N/A		
CAN SERIAL NUMBER:	958		
REGULATOR SERIAL NUMBER:	42		
CAN START VACUUM PRESS. (" HG):	-30.16		
CAN STOP VACUUM PRESS. (" HG):	-17.13		
NOTES			
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