

**197-201 CANAL STREET**

**STATEN ISLAND, NEW YORK**

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# **Remedial Investigation Report**

**OER Project Numbers: 21TMP0709R, 21EH-N149R**

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# REMEDIAL INVESTIGATION REPORT

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## LIST OF ACRONYMS

<b>Acronym</b>	<b>Definition</b>
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

# CERTIFICATION

I, Matthew Carroll, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 197-201 Canal Street Site, (NYC OER Site Nos. 21TMP0709R & 21EH-N149R). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Matthew M. Carroll, PE

03/30/2021



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Qualified Environmental Professional

Date

Signature

# EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

## **Site Location and Current Usage**

The Site is located at 197-201 Canal Street in the Stapleton Heights section in Staten Island, New York and is identified as Block 527 and Lots 50 and 52 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 12,586-square feet and is bounded by vacant land to the northeast, Canal Street to the southeast, residential buildings to the northwest, and commercial and residential buildings to the southwest. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant with a partial asphalt cap in the eastern portion of Lot 50.

## **Summary of Proposed Redevelopment Plan**

The proposed future use of the Site will consist of a new five-story mixed-use commercial and residential building with a parking area. The proposed building will have a footprint of approximately 5,445-square feet (SF) and will occupy the front of the lots. The ground floor of the proposed building will contain retail commercial space and the upper floors will contain residential units. The proposed construction will require excavation to approximately four feet below grade (ft-bg) for the building foundations and approximately two to four ft-bg for the parking area (deeper in the back of the property). No basement is proposed for this development project. Groundwater was encountered between 4.75 and 9.75 ft-bg at the Site and is not expected to be encountered during development. Layout of the proposed site development is presented in Figure 3. The current zoning designation for both lots is R6B, a designation denoting residential use, with a C2-3 commercial overlay. The proposed use is consistent with existing zoning for the property.

## **Summary of Past Uses of Site and Areas of Concern**

According to the Phase I Environmental Site Assessment (ESA) performed by Tenen Environmental, LLC (Tenen) in 2021, as of 1885 the Site was improved with three commercial buildings and several smaller structures. Between 1885 and 1977, the Site was occupied by a hotel, hand printing, a beer garden, a tin shop, a bowling alley, tire sales and services, stores food



establishments and markets, a barber shop, a tackle shop, and a shoe company. One of the buildings was demolished prior to 1961 and the two remaining buildings were demolished prior to 1977. The Site was utilized for metal storage between at least 1981 and 1983. Since 1986, the Site has been vacant and unimproved with any buildings. There was no documentation of chemical or petroleum storage or use in association with historic Site operations.

The earliest known uses for adjoining properties were for residential, commercial, and industrial purposes. The non-residential uses include a brewery and associated machine shop, a hotel, a restaurant, a beer garden, sign painting, printing, and an undertaker.

The AOCs identified for this site include:

1. The eastern corner of Lot 52, historically occupied by a printing shop;
2. The northern portion of Lot 50, historically occupied by a metalworking shop;
3. The southwest portion of Lot 52, historically adjoined by a printing shop;
4. The northwest portion of Lot 52, historically adjoined by a machine shop; and,
5. The southeast portion of Lots 50 and 52, historically adjoined by sign painting.

### **Summary of the Work Performed under the Remedial Investigation**

Tenen performed the following scope of work during the Remedial Investigation:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed seven soil borings across the entire project Site, and collected 15 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed four groundwater monitoring wells throughout the Site to establish groundwater flow and collected four groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed six soil vapor probes around Site perimeter and collected six samples for chemical analysis.

### **Summary of Environmental Findings**

1. Elevation of the property is approximately 28 feet above mean sea level (ft-msl).

2. Depth to groundwater ranges from 4.21 to 6.45 feet below grade at the Site.
3. Groundwater flow is assumed to be generally from west to east beneath the Site.
4. Bedrock was not encountered during the Remedial Investigation. Depth to bedrock is estimated at approximately 20 to 25 feet at the Site.
5. The stratigraphy of the site, from the surface down, consists of 3.5 to ten feet of historic fill material underlain by a layer of native medium to coarse grained sand with silt. The native sand layer is underlain by a silt layer. In borings SB-2 and SB-6, the native sand layer was not encountered and the historic fill layer was underlain by the silt layer.
6. Soil/fill samples collected during the RI showed concentrations of semivolatile organic compounds (SVOCs), specifically polyaromatic hydrocarbons (PAHs), exceeding Unrestricted Use Soil Cleanup Objectives (SCOs, UUSCOs) in shallow soil (0-2 ft-bg), including benzo(a)anthracene (max. 1.3 milligrams per kilogram [mg/kg]), benzo(a)pyrene (max. 1.6 mg/kg), benzo(b)fluoranthene (max 2.3 mg/kg), benzo(k)fluoranthene (0.91 mg/kg), chrysene (max. 1.8 mg/kg), and indeno(1,2,3-cd)pyrene (max. 1.2 mg/kg), with all but benzo(k)fluoranthene and chrysene also exceeding Restricted-Residential Use SCOs (RRSCOs). Several metals exceeded UUSCOs in soil across the Site, including barium (894 mg/kg), copper (max. 2,040 mg/kg), lead (max. 4,060 mg/kg), mercury (max. 1.9 mg/kg), nickel (max. 390 mg/kg), and zinc (max. 1,320 mg/kg). Of these, barium, copper, lead, mercury, and nickel also exceeded RRSCOs. Pesticides, specifically 4,4'-DDE (0.00355 mg/kg) and 4,4'-DDT (max. 0.0188 mg/kg) were detected in two soil samples slightly in exceedance of UUSCOs, but below RRSCOs. One PCB, aroclor 1254 (max. 0.89 mg/kg) and total PCBs (max. 0.89 mg/kg) were detected in five soil samples slightly in exceedance of UUSCOs, but below RRSCOs.
7. Groundwater samples collected during the RI showed SVOCs, specifically PAHs, exceeding NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values (Class GA Standards) in two samples and the duplicate sample, including benzo(a)anthracene (max. 0.17 micrograms per liter [ug/l]), benzo(b)fluoranthene (max. 0.2 ug/l), benzo(k)fluoranthene (max. 0.09 ug/l), chrysene (max. 0.15 ug/l), and indeno(1,2,3-cd)pyrene (max. 0.14 ug/l). Various metals, specifically chromium, lead and nickel were

detected in one or more total groundwater samples in exceedance of their respective Class GA Standards. Of these, only lead (max. 34.01 ug/l) was detected in one dissolved groundwater sample and the duplicate sample in exceedance of its Class GA Standard. Various naturally-occurring earth metals were detected in groundwater across the Site, including iron, magnesium, manganese and sodium. Of these, only magnesium (max. 48,700 ug/l), manganese (924.5 ug/l) and sodium (max. 97,700 ug/l) were detected in dissolved groundwater samples in exceedance of Class GA Standards. One PCB, aroclor 1254 (0.111 ug/l), was detected in one groundwater sample slightly in exceedance of its Class GA Standard. Two perfluoroalkyl acids (PFAS), perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) were detected in groundwater across the Site slightly in exceedance of NYSDEC's *Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs*, October 2020 (PFAS Guidelines). PFOS was detected at a max. concentration of 25.8 nanograms per liter (ng/l) and PFOA was detected at a max. concentration of 253 ng/l. However, total PFAS were not in exceedance of the PFAS Guideline of 500 ng/l in any samples.

8. Soil vapor samples collected during the RI showed low levels of petroleum-related volatile organic compounds (VOCs) across the Site. Two petroleum-related VOCs, benzene (22.4 micrograms per cubic meter [ug/m<sup>3</sup>]) and 1,3-butadiene (5.86 ug/m<sup>3</sup>), were each detected in one soil vapor sample in exceedance of their respective EPA VISL Default Residential Target Sub-Slab and Exterior Soil Gas Concentrations Criteria (EPA-VISL-TSSGC). All cVOCs listed in the NYSDOH Matrices, including 1,1,1-trichloroethane, tetrachloroethene, trichloroethene, cis- and trans-1,2-dichloroethene, carbon tetrachloride and vinyl chloride were not detected in any soil vapor samples.

# REMEDIAL INVESTIGATION REPORT

## 1.0 SITE BACKGROUND

Marsal Maintenance Corp. has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.289-acre site located at 197-201 Canal Street in the Stapleton Heights section of Staten Island, New York. Mixed commercial and residential use is proposed for the property. The RI work was performed on March 10, 2021 and March 11, 2021. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

### 1.1 Site Location and Current Usage

The Site is located at 197-201 Canal Street in the Stapleton Heights section in Staten Island, New York and is identified as Block 527 and Lots 50 and 52 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 12,586-square feet and is bounded by vacant land to the northeast, Canal Street to the southeast, residential buildings to the northwest, and commercial and residential buildings to the southwest. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant with a partial asphalt cap in the eastern portion of Lot 50.

### 1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new five-story mixed-use commercial and residential building with a parking area. The proposed building will have a footprint of approximately 5,445-square feet (SF) and will occupy the front of the lots. The ground floor of the proposed building will contain retail commercial space and the upper floors will contain residential units. The proposed construction will require excavation to approximately four feet below grade (ft-bg) for the building foundations and approximately two to four ft-bg for the parking area (deeper in the back of the property). No basement is proposed for this development project. Groundwater was encountered between 4.75 and 9.75 ft-bg at the Site and is not expected to be encountered during development. Layout of the proposed site development is presented in Figure 3. The current zoning designation for both lots is R6B, a designation denoting residential use, with a C2-3 commercial overlay. The proposed use is consistent with existing zoning for the property.

### **1.3 Description of Surrounding Property**

Surrounding properties consist of vacant space to the northeast, residential buildings to the northwest, and mixed commercial and residential buildings to the southeast and southwest. Based on a review of OER's *SPEED* database, no hospitals or schools were identified within a 500-foot radius of the Site. One day care, Castle Day Care II, was identified approximately 50 feet southwest of the Site.

Figure 1 shows the surrounding land usage.

## **2.0 SITE HISTORY**

### **2.1 Past Uses and Ownership**

According to the Phase I Environmental Site Assessment (ESA) performed by Tenen Environmental, LLC (Tenen) in 2021, as of 1885 the Site was improved with three commercial buildings and several smaller structures. Between 1885 and 1977, the Site was occupied by a hotel, hand printing, a beer garden, a tin shop, a bowling alley, tire sales and services, stores food establishments and markets, a barber shop, a tackle shop and a shoe company. One of the buildings was demolished prior to 1961 and the two remaining buildings were demolished prior to 1977. The Site was utilized for metal storage between at least 1981 and 1983. Since 1986, the Site has been vacant and unimproved with any buildings. There was no documentation of chemical or petroleum storage or use in association with historic Site operations.

The earliest known uses for adjoining properties were for residential, commercial and industrial purposes. The non-residential uses include a brewery and associated machine shop, a hotel, a restaurant, a beer garden, sign painting, printing and an undertaker.

### **2.2 Previous Investigations**

A Phase I ESA, dated February 2021, was prepared by Tenen. The Phase I ESA is included in Appendix A. The following Recognized Environmental Conditions (RECs) were identified by Tenen:

- Historic use of the Site for printing and metalworking;
- Historic use of the northwest adjoining property as a machine shop;
- Historic use of a southeast adjoining property for sign painting; and,
- Historic use of the southwest adjoining property for printing.

### **2.3 Site Inspection**

On January 21, 2021, Honpong Lau of Tenen Environmental conducted a Site inspection at the Site and adjoining properties.

The Site is undeveloped grassy area; access is controlled with a fence and gate. Overgrown vegetation was observed throughout the Site, vegetation did not appear stressed. No evidence of fill ports of underground storage tanks (USTs) was present onsite.

## 2.4 Areas of Concern

The AOCs identified for this site include:

1. The eastern corner of Lot 52, historically occupied by a printing shop;
2. The northern portion of Lot 50, historically occupied by a metalworking shop;
3. The southwest portion of Lot 52, historically adjoined by a printing shop;
4. The northwest portion of Lot 52, historically adjoined by a machine shop; and,
5. The southeast portion of Lots 50 and 52, historically adjoined by sign painting.

Phase 1 Report is presented in Appendix A. A map showing areas of concern is presented in Figure 4.

## **3.0 PROJECT MANAGEMENT**

### **3.1 Project Organization**

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Matthew Carroll, P.E.

### **3.2 Health and Safety**

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

### **3.3 Materials Management**

All material encountered during the RI was managed in accordance with applicable laws and regulations.



## 4.0 REMEDIAL INVESTIGATION ACTIVITIES

Tenen performed the following scope of work during the Remedial Investigation:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed seven soil borings across the entire project Site, and collected 15 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed four groundwater monitoring wells throughout the Site to establish groundwater flow and collected four groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed six soil vapor probes around Site perimeter and collected six samples for chemical analysis.

### 4.1 Geophysical Investigation

A geophysical survey was not conducted at the Site as part of the Phase II Investigation.

### 4.2 Borings and Monitoring Wells

#### Drilling and Soil Logging

Seven soil borings (SB-1 through SB-7) were advanced at the Site. One soil boring (SB-7) was advanced to a depth of seven ft-bg, five soil borings (SB-1 through SB-3, SB-5, and SB-6) were advanced to a depth of ten ft-bg and one soil boring (SB-4) was advanced to 15 ft-bg. Boring locations are shown on Figure 5.

**Table 1. Construction Details for Soil Borings**

<b>Boring Location</b>	<b>Sample Designation</b>	<b>Date of Construction</b>	<b>Total Depth</b>	<b>Diameter</b>	<b>Description of Location</b>
SB-1	SB-1 (0-2)	3/10/2021	10 ft-bg	2 inches	Southwest portion of the proposed parking lot
	SB-1 (3-5)				

SB-2	SB-2 (0-2)				Northeast portion of the proposed parking lot
	SB-2 (3-5)				
SB-3	SB-3 (0-2)				Southern portion of the proposed building
	SB-3 (4-6)				
	SB-3 (4-6)_DUP				
SB-4	SB-4 (0-2)		15 ft-bg		Eastern portion of the proposed building
	SB-4 (4-6)				
SB-5	SB-5 (0-2)		10 ft-bg		Northwest portion of the proposed parking lot
	SB-5 (4-6)				
SB-6	SB-6 (0-2)				Northwest portion of the proposed building
	SB-6 (4-6)				
	SB-6 (7-9)				
SB-7	SB-7 (0-2)		7 ft-bg		Southeast portion of the proposed building
	SB-7 (4-6)				

A direct-push Geoprobe was used to advance all seven soil borings. Soil samples were obtained using two-inch diameter by five-foot long steel macrocore samplers that contained dedicated acetate liners. Each sampler was driver through the subsurface soil to collect samples.

Two samples were collected from each boring: the shallow interval from 0-2 ft-bg and a deeper subsurface sample corresponding to the two-foot interval beneath the proposed excavation depth, 3-5 ft-bg (SB-1 and SB-2) or 4-6 ft-bg (SB-3 through SB-7). Additionally, a third sample was collected from one boring, SB-6, from 7-9 ft-bg where elevated readings were detected with a photoionization detector (PID).

The soil was field screened using a PID for volatile organic compounds (VOCs) and additional samples were collected if: 1) elevated PID readings and/or visual and olfactory observations were noted during borehole advancement and/or, 2) field observations identified an upper fill layer underlain by native material. Prior to its use, the PID was calibrated according to the manufacturer's instructions. PID readings ranged from non-detect to 5.6 parts-per-million (ppm) in SB-6 (7-9). No visual or olfactory indications of contamination were observed during borehole advancement. Following the soil sampling, boreholes were backfilled with soil cuttings.

Boring logs were prepared by a geologist and are attached in Appendix B. A map showing the location of soil borings and monitoring wells is shown in Figure 5. A table detailing the boring locations and sample designations is included below.

### **Groundwater Monitoring Well Construction**

Four temporary monitoring wells (MW-1 to MW-4) were installed at the Site, concurrent with soil borings SB-1 through SB-4, respectively. The wells were installed to evaluate the water quality underlying the Site and to determine the groundwater flow direction. One monitoring well was installed to a depth of 10 ft-bg (MW-3), one monitoring well was installed to a depth of 13 ft-bg (MW-1), and two monitoring wells were installed to a depth of 14 ft-bg (MW-2 and MW-4). Groundwater was encountered at depths ranging from 4.21 ft-bg in MW-3 to 6.45 ft-bg in MW-4. Details regarding groundwater sampling are provided below.

**Table 2. Sampling Details for Monitoring Wells**

<b>Well Location</b>	<b>Total Depth</b>	<b>Description of Location</b>
MW-1	13 ft-bg	Southwest portion of the proposed parking lot
MW-2	14 ft-bg	Northeast portion of the proposed parking lot
MW-3	10 ft-bg	Southern portion of the proposed building
MW-4	14 ft-bg	Eastern portion of the proposed building

All four monitoring wells were installed with 1-inch inner diameter (ID) PVC with ten feet of screen. The annular space around the wells was filled with No. 2 Morie quartz sand to a depth of two feet above the top of the well screen, followed by unimpacted soil cuttings to grade. Well construction logs are included with the boring logs in Appendix B.

Groundwater samples were collected from all four wells by Tenen one day after installation. A PID was used to measure head-space readings in the wells. Readings were non-detect in all four wells. Sampling was completed using a low-flow peristaltic pump. Approximately one to five gallons of groundwater was purged from all four wells prior to sampling.

Monitoring well locations are shown in Figure 5.

### **Survey**

A survey was not completed at the Site as part of the Remedial Investigation.

### **Water Level Measurement**

All four monitoring wells were gauged for a depth to water reading using a Solinst Model 101. Water level data is provided below, and included in the purge logs in Appendix C.

**Table 3. Groundwater Level Data**

<b>Monitoring Well Location</b>	<b>Date</b>	<b>Water Depth (ft-bg)</b>
MW-1	3/11/2021	6.19
MW-2	3/11/2021	5.50
MW-3	3/11/2021	4.21
MW-4	3/11/2021	6.45

### **4.3 Sample Collection and Chemical Analysis**

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

#### **Soil Sampling**

Continuous soil samples were collected using five-foot macrocore samplers fitted with dedicated acetate liners. A minimum of two soil samples were collected from each completed boring for laboratory analysis in order to provide data for observed soil conditions in the surface and subsurface soil/fill profile. A total of 16 soil samples were collected for chemical analysis during this RI, including one discrete duplicate quality assurance/quality control (QA/QC) sample. Soil samples were containerized in accordance with EPA analytical protocols. Each sample was labeled, sealed, and placed in a chilled cooler for shipment to the laboratory. A record of each sample, including notation of any odors, color, and sample matrix, was kept in the sampler's field log book. A chain of custody was maintained throughout the field sampling,

transport of samples to the laboratory, and lab analysis. A field blank, trip blank, and duplicate sample were collected for QA/QC purposes. The soil samples collected by Tenen on March 10, 2021 were submitted to Alpha Analytical Laboratory of Westborough, MA, New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) #11148, via courier service. All soil samples were analyzed for Target Compound List (TCL) VOCs, TCL semivolatile organic compounds (SVOCs), Target Analyte List (TAL) metals, pesticides, and polychlorinated biphenyls (PCBs). In addition, one soil sample, SB-6 (0-2), was analyzed for 1,4-dioxane and per- and polyfluoroalkyl acids (collectively, PFAS). For PFAS sampling, all sample containers were made of high density polyethylene (HDPE) or polypropylene and had caps that were not Teflon-lined. PFAS sample containers were stored in a separate cooler from all other sampling containers to minimize cross-contamination. The PFAS sample was collected using dedicated disposable sampling equipment so that decontamination was not required.

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 4a through 4e. Figure 5 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

### **Groundwater Sampling**

Sampling of the four temporary monitoring wells took place the day after their installation. All four wells were purged prior to sampling in accordance with DER-10 requirements. Upon completion of purging, one representative groundwater sample was collected from each well, using dedicated HDPE tubing attached to a peristaltic pump capable of low flow control. Water quality indicators (pH, temperature, specific conductivity, and turbidity) were monitored during purging. Groundwater samples were collected according to EPA's *Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells* (Low Flow Procedures, January 2010).

Groundwater samples were pumped directly into laboratory-supplied sample bottles. Samples were sealed, labeled, and placed in a cooler and chilled to 4°C for transport under chain-of-custody procedures. A field blank, trip blank, and duplicate sample were collected for QA/QC purposes. Groundwater samples were submitted to Alpha Analytical Laboratory of Westborough, MA, NYSDOH ELAP #11148, via courier service. All groundwater samples were analyzed for TCL VOCs, TCL SVOCs, total and dissolved TAL metals, pesticides, and PCBs. In addition,

three groundwater samples, MW-1, MW-2, and MW-4, were analyzed for 1,4-dioxane and PFAS. For PFAS sampling, all sample containers were made of HDPE or polypropylene and had caps that were not Teflon-lined. Tubing used to collect PFAS samples was made of HDPE. PFAS sample containers were stored in a separate cooler from all other sampling containers to minimize cross-contamination. The PFAS samples were collected using dedicated disposable sampling equipment so that decontamination was not required.

Five groundwater samples were collected for chemical analysis during this RI, including one duplicate for QA/QC. Groundwater sample collection data is reported in Tables 5a through 5e. Sampling logs with information on purging and sampling of groundwater monitoring wells is included in Appendix C. Figure 5 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

### **Soil Vapor Sampling**

Soil vapor samples were collected at the proposed development depth, for a depth of 3 ft-bg within the proposed parking lot and 4 ft-bg within the proposed building footprint. The soil vapor implants were installed using a direct-push track-mounted Geoprobe. Upon penetration through the surface material, a disposable sampling probe, consisting of a 1.5-inch long hardened point and six-inch long perforated vapor intake, was installed at the target depth. The screen was surrounded by #1-size quartzite sand to approximately one foot above the top of the screen. The screen and sand pack were isolated from ambient air by placing wetted bentonite pellets to grade.

The soil vapor sampling probe was connected to a 3/8-inch diameter tubing to the surface. The borehole above the sampling probe to grade was sealed using a sand pack and an inert sealant to prevent ambient air mixing with the soil vapor. Ambient air was purged from the boring hole by attaching the surface end of the 3/8-inch diameter tubing to an air valve and then to a vacuum pump. The vacuum pump removed one to three volumes of air (volume of the sample probe and tube) prior to all soil vapor sample collection.

All soil vapor samples were screened for organic vapors using a PID. Samples were collected in 2.7-liter Summa canisters using two-hour regulators. The flow rate of both purging and sampling did not exceed 0.2 liters per minute (L/min). A sample log sheet was maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of soil vapor

extracted, vacuum of canisters before and after the samples were collected, apparent moisture content of the sampling zone, and chain-of-custody protocols.

Helium tracer gas was used as a QA/QC measure to verify the integrity of the soil vapor probe seal. A portable monitoring device was used to analyze a sample of soil vapor for the tracer gas prior to sampling. If this analysis showed a significant presence of the tracer, the probe seals were adjusted to prevent infiltration. At the conclusion of the sampling, tracer monitoring was performed a second time to confirm the integrity of the probe seals.

Soil vapor samples were submitted to Alpha Analytical Laboratory of Westborough, MA, NYSDOH ELAP #11148, via courier under standard chain-of-custody procedures and analyzed for VOCs via USEPA Method TO-15.

Six soil vapor probes were installed and six soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 5. Soil vapor sample collection data is reported in Table 6. Soil vapor sampling logs are included in Appendix D. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

### Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Karyn Raymond at Alpha Analytical Laboratories.
Chemical Analytical Laboratory	The chemical analytical laboratory used in the RI is NYSDOH ELAP certified and was Alpha Analytical Laboratories of Westborough, MA.
Chemical Analytical Methods	Soil analytical methods: <ul style="list-style-type: none"> <li>• TAL Metals by EPA Method 6010C (rev. 2007);</li> <li>• VOCs by EPA Method 8260C (rev. 2006);</li> </ul>



	<ul style="list-style-type: none"> <li>• SVOCs by EPA Method 8270D (rev. 2007);</li> <li>• Pesticides by EPA Method 8081B (rev. 2000);</li> <li>• PCBs by EPA Method 8082A (rev. 2000);</li> <li>• 1,4-Dioxane by EPA Method 8270D-SIM;</li> <li>• PFAS by EPA Method 537;</li> </ul> <p>Groundwater analytical methods:</p> <ul style="list-style-type: none"> <li>• Total and Dissolved TAL Metals by EPA Method 6010C (rev. 2007);</li> <li>• VOCs by EPA Method 8260C (rev. 2006);</li> <li>• SVOCs by EPA Method 8270D (rev. 2007);</li> <li>• Pesticides by EPA Method 8081B (rev. 2000);</li> <li>• PCBs by EPA Method 8082A (rev. 2000);</li> <li>• 1,4-Dioxane by EPA Method 8270D-SIM;</li> <li>• PFAS by EPA Method 537;</li> </ul> <p>Soil vapor analytical methods:</p> <ul style="list-style-type: none"> <li>• VOCs by TO-15 VOC parameters.</li> </ul>
--	--

**Results of Chemical Analyses**

Laboratory data for soil, groundwater and soil vapor are summarized in Table 4a through 4e, 5a through 5e, and 6, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix E.

## **5.0 ENVIRONMENTAL EVALUATION**

### **5.1 Geological and Hydrogeological Conditions**

According to the United State Geological Survey (USGS) Narrows Quadrangle Topographic Map (2014), the Site elevation is approximately 28 feet above the National Geodetic Vertical Datum of 1988 (an approximation of sea level). The surface topography of the Site slopes downward to the east.

#### **Stratigraphy**

The Site is underlain by a continuous layer of historic fill that ranges in thickness from 3.5 to ten feet followed by a layer of native medium to coarse grained sand with silt. The native sand layer is underlain by a silt layer. In borings SB-2 and SB-6, the native sand layer was not encountered and the historic fill layer was underlain by the silt layer. Bedrock was not encountered during this investigation. Depth to bedrock is estimated at 20 to 25 ft-bg.

#### **Hydrogeology**

A table of water level data for all monitoring wells is included in Table 3. The average depth to groundwater is 5.59 ft-bg and the range in depth is 4.21 ft-bg to 6.45 ft-bg. Groundwater is assumed to flow from west to east, towards the New York Bay.

### **5.2 Soil Chemistry**

A total of 15 soil samples and one duplicate sample were collected as part of this Remedial Investigation. Soil samples were compared to the New York State Part 375 Unrestricted Use and Restricted-Residential Use SCOs (UUSCOs and RRSCO, respectively) for VOCs, SVOCs, TAL metals, pesticides, herbicides, and 1,4-dioxane. In addition, PFAS analytes were compared to the proposed Unrestricted Use and Restricted-Residential Use SCOs per NYSDEC's *Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs*, October 2020 (PFAS Guidelines).

#### **VOCs**

VOCs were not detected above UUSCOs or RRSCO in any soil samples.

#### **SVOCs**

A variety of SVOCs, specifically polycyclic aromatic hydrocarbons (PAHs), were detected in two shallow soil samples in exceedance of UUSCOs. Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene were detected in exceedance of their respective UUSCOs in both samples and benzo(k)fluoranthene was detected in exceedance of its

UUSCO in one sample, with the highest concentrations of all PAHs occurring in SB-6 (0-2). Benzo(a)anthracene was detected at a max. concentration of 1.3 mg/kg with a UUSCO of 1 mg/kg; benzo(a)pyrene was detected at a max. concentration of 1.6 mg/kg with a UUSCO of 1 mg/kg; benzo(b)fluoranthene was detected at a max. concentration of 2.3 mg/kg with a UUSCO of 1 mg/kg; chrysene was detected at a max. concentration of 1.8 mg/kg with a UUSCO of 1 mg/kg; indeno(1,2,3-cd)pyrene was detected at a max. concentration of 1.2 mg/kg with a UUSCO of 0.5 mg/kg; and benzo(k)fluoranthene was detected at a concentration of 0.91 mg/kg with a UUSCO of 0.8 mg/kg. Of the above, the RRSCO is the same as the UUSCO for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene and indeno(1,2,3-cd)pyrene, therefore these analytes also exceeded the RRSCO in both shallow soil samples. No other SVOCs were detected in exceedance of UUSCOs or RRSCOs in any soil samples.

### **Pesticides and PCBs**

Pesticides were detected in exceedance of UUSCOs in one shallow soil and one deep soil samples. 4,4'-DDT was detected in exceedance of its UUSCO of 0.0033 mg/kg in both samples [max. 0.0188 mg/kg in SB-2 (0-2)] and 4,4'-DDE was detected in exceedance of its UUSCO of 0.0033 mg/kg in one sample [concentration of 0.00355 mg/kg in SB-3 (4-6)]. Pesticides were not detected in exceedance of RRSCOs in any soil samples.

One PCB, aroclor 1254, was detected in exceedance of its UUSCO of 0.1 mg/kg in three shallow and two deep soil samples. In addition, total PCBs was also detected in exceedance of its UUSCO of 0.1 mg/kg in three shallow and two deep soil samples. Aroclor 1254 was detected at a max. concentration of 0.89 mg/kg in SB-7 (4-6) and total PCBs was detected at a max. concentration of 0.89 mg/kg in SB-7 (4-6). PCBs were not detected in exceedance of RRSCOs in any soil samples.

### **Metals**

A variety of metals were detected in exceedance of UUSCOs in 13 of 15 soil samples and the duplicate sample. Barium was detected in exceedance of its UUSCO of 350 mg/kg in the duplicate sample [concentration of 894 mg/kg in SB-3 (4-6)\_DUP]; cadmium was detected in exceedance of its UUSCO of 2.5 mg/kg in the duplicate sample [concentration of 3.25 mg/kg in SB-3 (4-6)\_DUP]; copper was detected in exceedance of its UUSCO of 50 mg/kg in two samples [max. 2,040 mg/kg in SB-4 (4-6)]; lead was detected in exceedance of its UUSCO of 63 mg/kg in five samples and the duplicate sample [max. 4,060 mg/kg in SB-3 (4-6)\_DUP]; mercury was detected in exceedance of its UUSCO of 0.18 mg/kg in five samples and the duplicate sample [max. 1.9 mg/kg in SB-1 (0-2)]; nickel was detected in exceedance of its UUSCO of 30 mg/kg in

twelve samples and the duplicate sample [max. 390 mg/kg in SB-5 (4-6)]; and zinc was detected in exceedance of its UUSCO of 109 mg/kg in two samples and the duplicate sample [max. 1,320 mg/kg in SB-3 (4-6)\_DUP]. Of the above, barium, copper, lead, mercury, and nickel were each detected in exceedance of their RRSCOs in one or more samples. Barium was detected in exceedance of its RRSCO of 400 mg/kg in the duplicate sample; copper was detected in exceedance of its RRSCO of 270 mg/kg in one sample; lead was detected in exceedance of its RRSCO of 400 mg/kg in the duplicate sample; mercury was detected in exceedance of its RRSCO of 0.81 mg/kg in two samples and the duplicate sample; and nickel was detected in exceedance of its RRSCO of 310 mg/kg in three samples. No other metals were detected in exceedance of UUSCOs or RRSCOs in any soil samples analyzed. Metals were not detected in exceedance of UUSCOs or RRSCOs in soil samples SB-4 (0-2) and SB-7 (0-2).

#### **Emerging Contaminants (1,4-Dioxane and PFAS)**

One sample, SB-6 (0-2), was analyzed for emerging contaminants (1,4-dioxane and PFAS). 1,4-dioxane was non-detect in the sample. A variety of PFAS analytes were detected at low concentrations below the proposed UUSCOs and RRSCOs. Perfluorooctanesulfonic acid (PFOS) was detected at a concentration of 0.366 nanograms per gram (ng/g) with a proposed UUSCO of 0.88 ng/g and perfluorooctanoic acid (PFOA) was detected at a concentration of 0.208 ng/g with a proposed UUSCO of 0.66 ng/g.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Table 4a through 4e. Figure 6 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Soil Cleanup Objectives.

### **5.3 Groundwater Chemistry**

Four groundwater samples and one duplicate sample were collected as part of this Remedial Investigation. Groundwater samples were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values (Class GA Standards) for VOCs, SVOCs, total and dissolved metals, pesticides, PCBs, and 1,4-dioxane. In addition, PFAS analytes were compared to NYSDEC's PFAS Guidelines.

#### **VOCs**

VOCs were not detected above Class GA Standards in any groundwater samples.

### **SVOCs**

Five SVOCs, specifically PAHs, were detected in two groundwater samples and the duplicate sample slightly in exceedance of Class GA Standards, with the highest concentrations occurring in monitoring well MW-3. Benzo(a)anthracene was detected at a maximum concentration of 0.17 micrograms per liter (ug/l); benzo(b)fluoranthene was detected at a maximum concentration of 0.2 ug/l; benzo(k)fluoranthene was detected at a maximum concentration of 0.09 ug/l; chrysene was detected at a maximum concentration of 0.15 ug/l; and indeno(1,2,3-cd)pyrene was detected at a maximum concentration of 0.14 ug/l. All of the above-mentioned analytes have a Class GA Standard of 0.002 ug/l. No other SVOCs were detected in exceedance of Class GA Standards in any groundwater samples. No SVOCs were detected in exceedance of Class GA Standards in monitoring wells MW-1 and MW-2.

### **Total and Dissolved Metals**

Total metals, specifically chromium, lead, and nickel, were detected in one or more groundwater samples in exceedance of Class GA Standards. Total chromium was detected in one sample in exceedance of its Class GA Standard of 50 ug/l (concentration of 103 ug/l in MW-4); total lead was detected in two samples and the duplicate sample in exceedance of its Class GA Standard of 25 ug/l (max. concentration 752.5 ug/l in MW-4); and total nickel was detected in one sample in exceedance of its Class GA Standard of 100 ug/l (concentration of 1,100 ug/l in MW-4). Of the above, only lead was detected in exceedance of its Class GA Standard in one dissolved groundwater sample and the duplicate sample (max. concentration 34.01 ug/l in MW-3).

Various naturally occurring earth metals were detected in all four total groundwater samples and the duplicate sample in exceedance of Class GA Standards. Total iron was detected in all four samples and the duplicate sample in exceedance of its Class GA Standard of 300 ug/l (max. concentration 68,600 ug/l in MW-4); total magnesium was detected in three samples in exceedance of its Class GA standard of 35,000 ug/l (max. concentration 88,000 ug/l in MW-4); total manganese was detected in one sample in exceedance of its Class GA Standard of 300 ug/l (concentration of 1,656 ug/l in MW-4); and sodium was detected in two samples and the duplicate sample in exceedance of its Class GA Standard of 20,000 ug/l (max. concentration 93,700 ug/l in MW-3). Of the above, only magnesium, manganese, and sodium were detected in exceedance of their respective Class GA Standards in one or more dissolved groundwater samples. Dissolved magnesium was detected in three samples in exceedance of its Class GA Standard (max. concentration 48,700 ug/l in MW-2); dissolved manganese was detected in one

sample in exceedance of its Class GA Standard (concentration of 924.5 ug/l in MW-4); and dissolved sodium was detected in two samples and the duplicate sample in exceedance of its Class GA Standard (max. concentration 97,700 ug/l in MW-3\_DUP). No other metals were detected in exceedance of Class GA Standards in any total or dissolved groundwater samples.

#### **Pesticides and PCBs**

Pesticides were not detected above Class GA Standards in any groundwater samples.

One PCB, aroclor 1254, was detected slightly in exceedance of its Class GA Standard of 0.09 ug/l in monitoring well MW-4. Aroclor 1254 was detected at a concentration of 0.111 ug/l in MW-4. No other PCBs were detected in exceedance of Class GA Standards in any groundwater samples.

#### **Emerging Contaminants (1,4-Dioxane and PFAS)**

Three groundwater samples, MW-1, MW-2, and MW-4, were analyzed for emerging contaminants (1,4-dioxane and PFAS). 1,4-dioxane was non-detect in all three samples. Two PFAS analytes, PFOS and PFOA, were detected in exceedance of the NYSDEC PFAS Guidelines in one or more samples. PFOS was detected in two samples in exceedance of its PFAS Guideline of 10 nanograms per liter (ng/l) (max. concentration 25.8 ng/l in MW-2) and PFOA was detected in all three samples in exceedance of its PFAS Guideline of 10 ng/l (max. concentration of 253 ng/l). No other PFAS analytes were detected in exceedance of their respective PFAS Guidelines. Total PFAS were not detected in exceedance of the PFAS Guideline of 500 ng/l in any samples.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Tables 5a through 5e. Exceedances of applicable groundwater standards are shown.

Figure 7 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

#### **5.4 Soil Vapor Chemistry**

Six soil vapor samples were collected as part of this Remedial Investigation. Soil vapor samples were compared to the EPA Vapor Intrusion Screening Limits (VISL) Default Residential Target Sub-Slab and Exterior Soil Gas Concentrations Criteria (TSSGC) per VISL Calculator, Version 3.5, updated October 2017.

The results of the soil vapor sampling indicate low levels of petroleum-related VOCs in soil vapor across the Site. Two petroleum-related VOCs, benzene and 1,3-butadiene, were each detected in one sample in exceedance of their respective EPA-VISL-TSSGCs. Benzene was detected in SV-5 at a concentration of 22.4 micrograms per cubic meter ( $\text{ug}/\text{m}^3$ ) with an EPA-VISL-TSSGC of  $12 \text{ ug}/\text{m}^3$  and 1,3-butadiene was detected in SV-3 at a concentration of  $5.86 \text{ ug}/\text{m}^3$  with an EPA-VISL-TSSGC of  $3.12 \text{ ug}/\text{m}^3$ . No other VOCs were detected in exceedance of EPA-VISL-TSSGCs in any soil vapor samples.

All chlorinated VOCs (cVOCs) included in the NYSDOH Matrices, including 1,1,1-trichloroethane, tetrachloroethene, trichloroethene, cis- and trans-1,2-dichloroethene, carbon tetrachloride and vinyl chloride were not detected in any soil vapor samples.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 6.

Figure 8 shows the location and posts the values for soil vapor samples with detected concentrations.

## **5.5 Prior Activity**

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

## **5.6 Impediments to Remedial Action**

There are no known impediments to remedial action at this property.

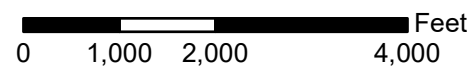
## FIGURES





Basemap: USGS Topographic Map, 7.5 Minute Quadrangles: Jersey City, NJ 2016 & The Narrows, NY, 2016

Site Location



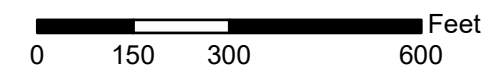
<http://gis.nyc.gov/taxmap/map.htm>

Department of Finance Digital Tax Map



Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community  
NYC Department of City Planning, Information Technology Division

Department of City Planning MapPLUTO - 2020 v6



Site

**TENEN ENVIRONMENTAL**

**197 Canal Street  
Staten Island, New York  
Block 527, Lots 50 & 52**

Tenen Environmental, LLC  
121 West 27th Street  
Suite 702  
New York, NY 10001  
O: (646) 606-2332  
F: (646) 606-2379

Drawn By LM

Checked By SB

Date February 2021

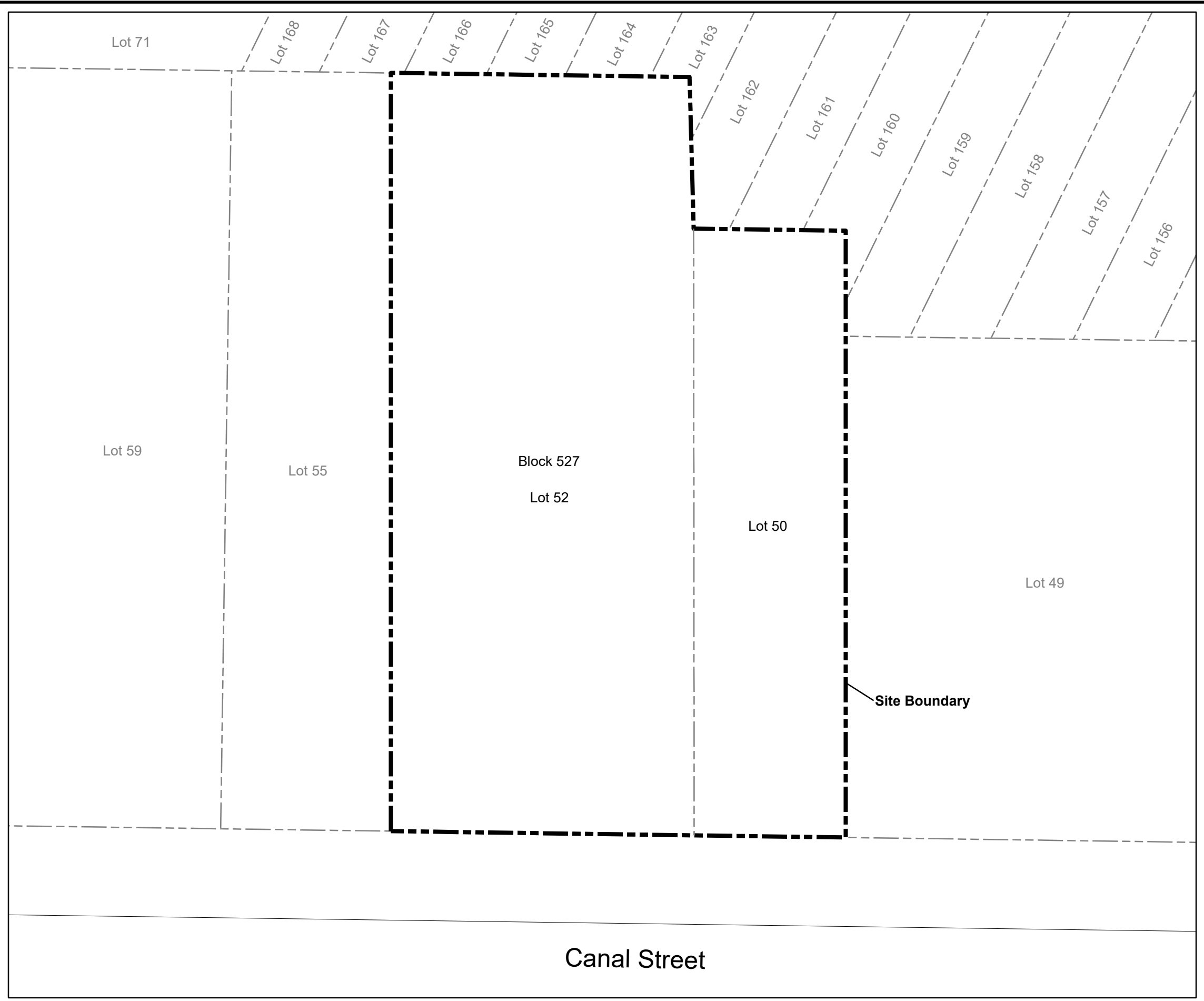
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**Site Location Map**

**Figure 1**

Drawing Title

Drawing No



**Legend**

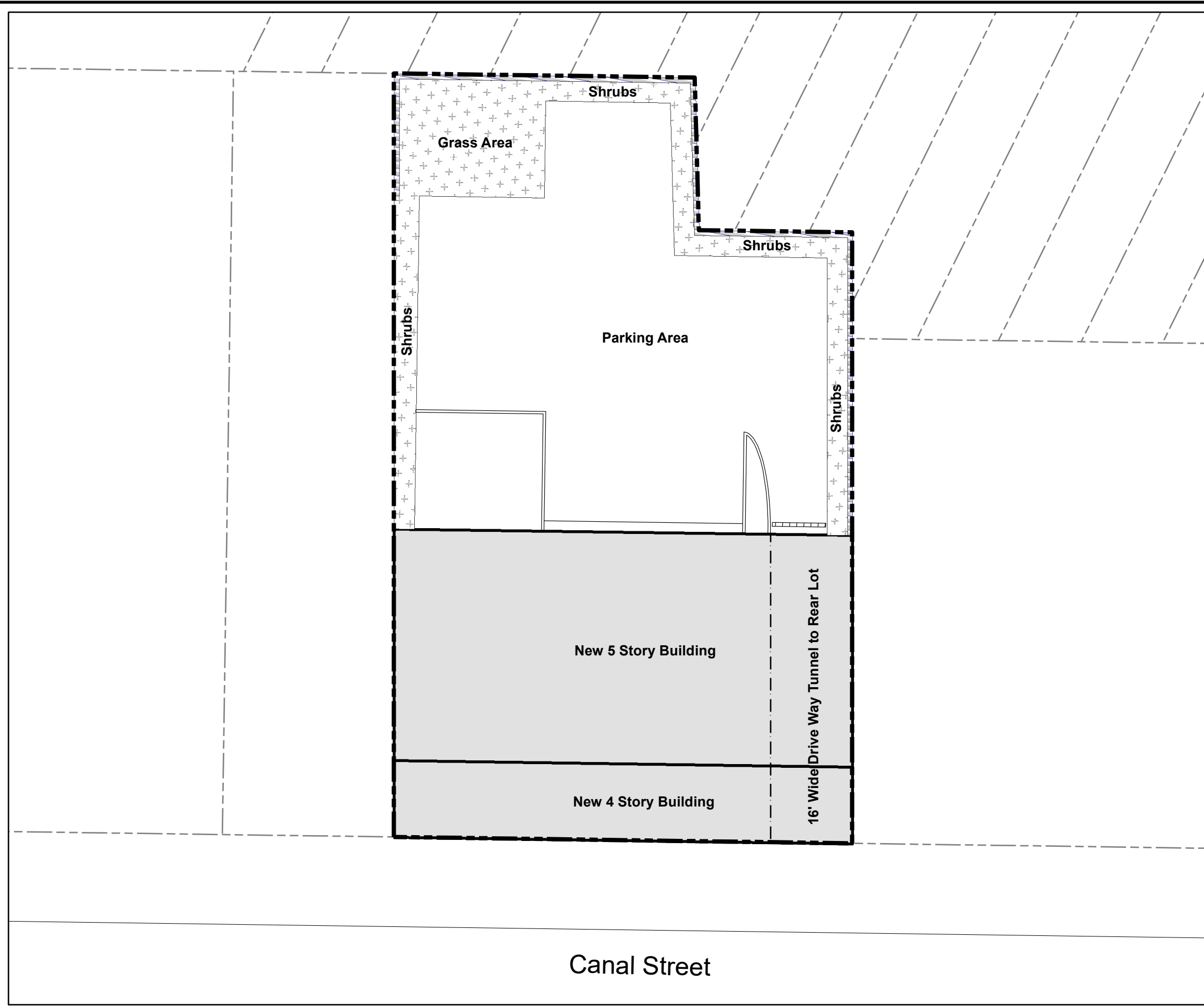
--- Tax Lots

**--- Site Boundary**

0 10 20 40 Feet



Drawing Title	<b>Site Boundary Map</b>			
	Drawing No	<b>Figure 2</b>		
Site	<b>197 Canal Street</b> <b>Staten Island, New York</b> <b>Block 527, Lots 50 &amp; 52</b>			
TENEN ENVIRONMENTAL	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York, NY 10001 O: (646) 606-2332 F: (646) 606-2379			
Drawn By	LM	Checked By	AP	Date
Scale	March 2021 As Noted			



Basemap: USGS Topographic Map, 7.5 Minute Quadrangles: Jersey City, NJ 2016 & The Narrows, NY, 2016

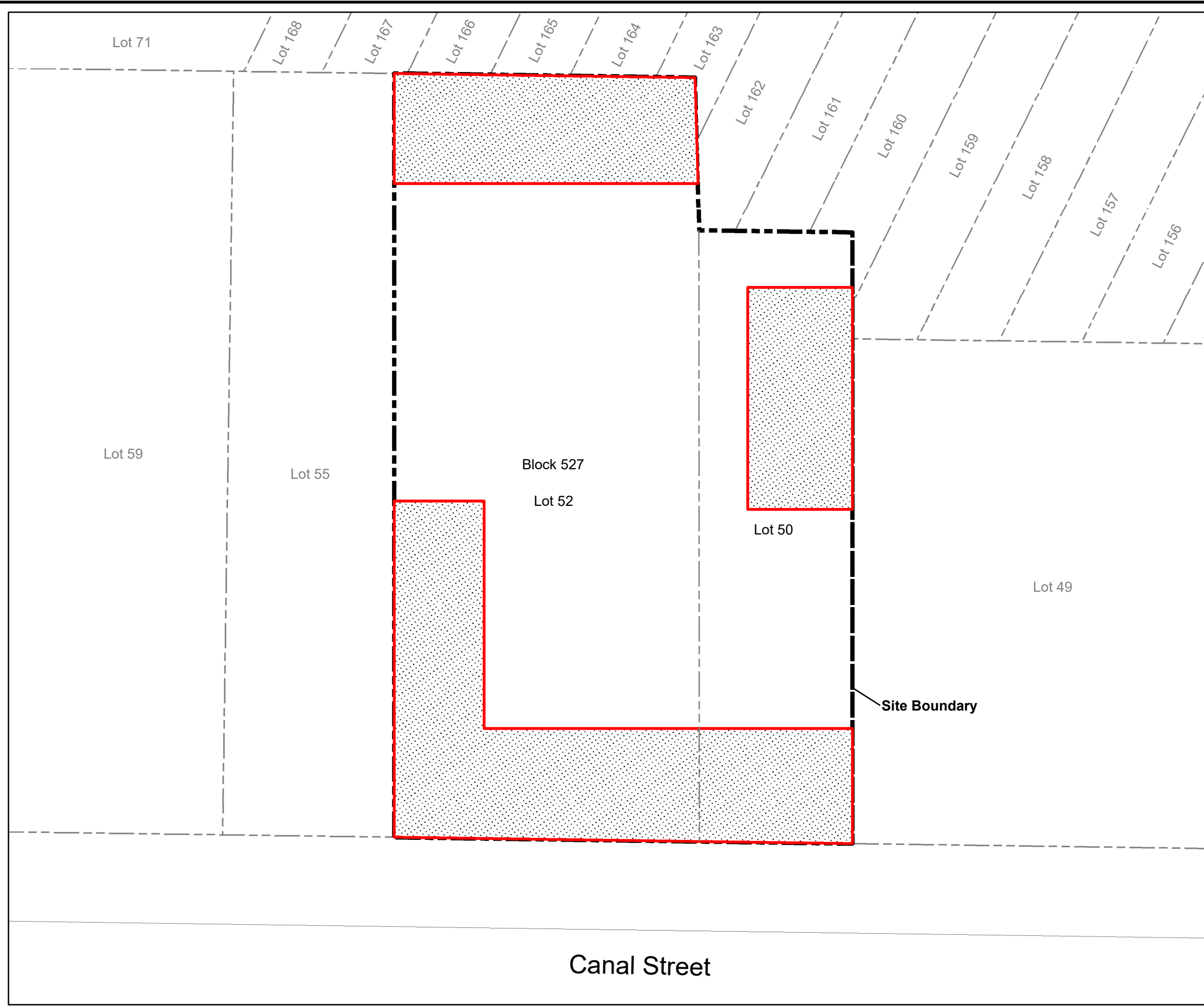
**Legend**

- Tax Lots
- Site Boundary
- Proposed Building
- Grass/Shrub Areas




0 10 20 40 Feet

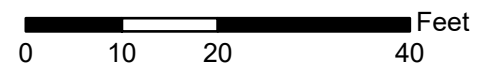


<b>197 Canal Street</b> <b>Staten Island, New York</b> <b>Block 527, Lots 50 &amp; 52</b>	
<b>TENEN ENVIRONMENTAL</b>	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York, NY 10001 O: (646) 606-2332 F: (646) 606-2379
Drawing Title <b>Redevelopment Plan</b>	Drawing No <b>Figure 3</b>
Drawn By <b>LM</b>	Checked By <b>SB</b>
Date <b>February 2021</b>	Scale <b>As Noted</b>
Site	



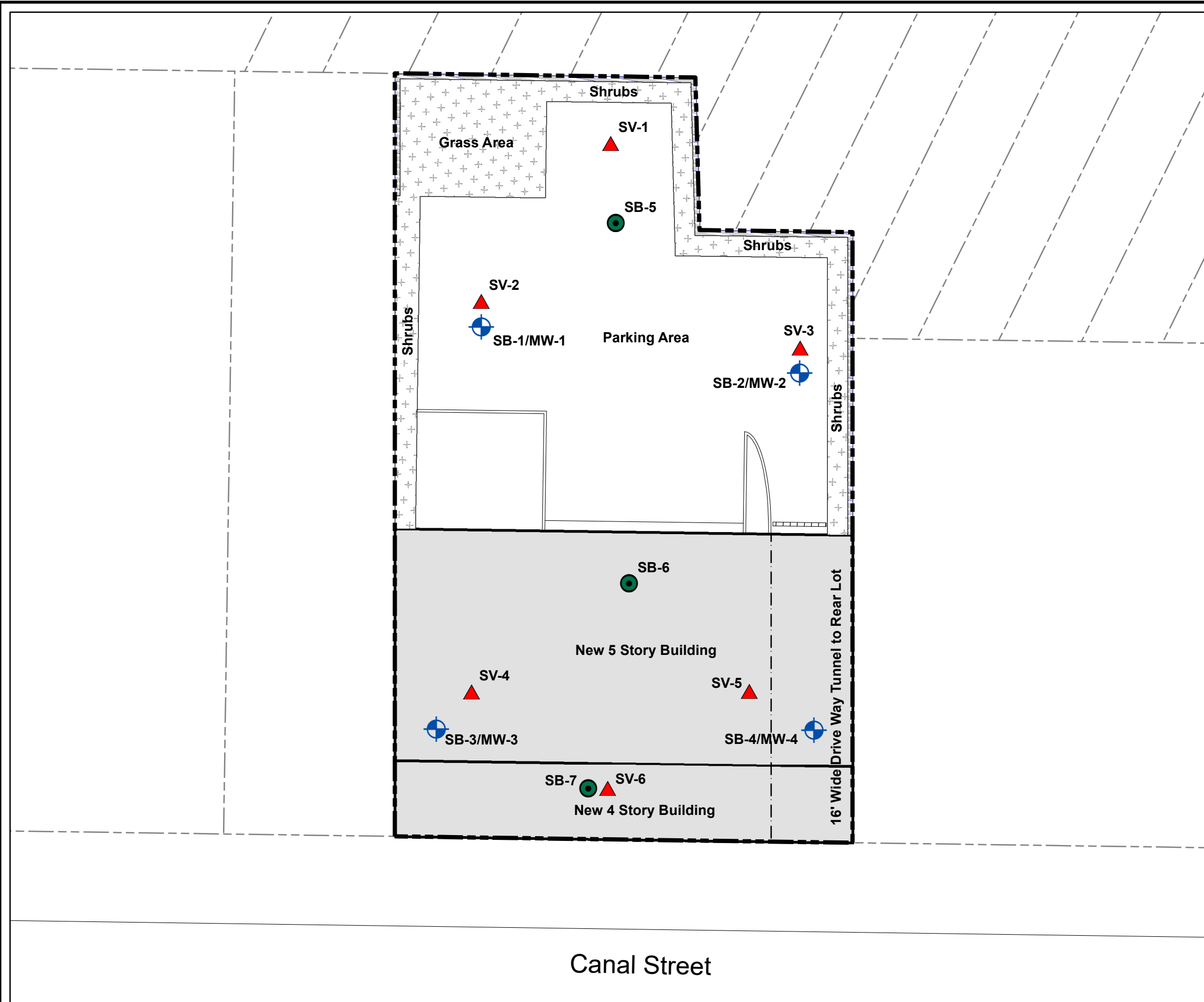
**Legend**

-  Tax Lots
-  Site Boundary
-  Areas of Concern



Basemap: USGS Topographic Map, 7.5 Minute Quadrangles: Jersey City, NJ 2016 & The Narrows, NY, 2016

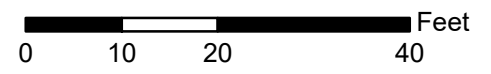
<p><b>197 Canal Street</b>  <b>Staten Island, New York</b>  <b>Block 527, Lots 50 &amp; 52</b></p>	
<p>Site</p>	
<p><b>TENEN ENVIRONMENTAL</b></p> <p>Tenen Environmental, LLC          121 West 27th Street          Suite 702          New York, NY 10001          O: (646) 606-2332          F: (646) 606-2379</p>	
<p>Drawn By <b>LM</b></p>	<p>Checked By <b>AP</b></p>
<p>Date <b>March 2021</b></p>	<p>Scale <b>As Noted</b></p>
<p><b>Map of Areas of Concern</b></p>	
<p><b>Figure 4</b></p>	
<p>Drawing Title</p>	<p>Drawing No</p>



Basemap: USGS Topographic Map, 7.5 Minute Quadrangles: Jersey City, NJ 2016 & The Narrows, NY, 2016

**Legend**

- Soil Sample Location
- Soil/Groundwater Sample Location
- Soil Vapor Sample Location
- Tax Lots
- Site Boundary
- Proposed Building
- Grass/Shrub Areas



<p><b>197 Canal Street</b>  <b>Staten Island, New York</b>  <b>Block 527, Lots 50 &amp; 52</b></p>			
<p>Site</p>			
<p><b>TENEN ENVIRONMENTAL</b></p> <p>Tenen Environmental, LLC          121 West 27th Street          Suite 702          New York, NY 10001          O: (646) 606-2332          F: (646) 606-2379</p>			
<p>Drawn By</p> <p>LM</p>	<p>Checked By</p> <p>AP</p>	<p>Date</p> <p>March 2021</p>	<p>Scale</p> <p>As Noted</p>
<p><b>Sampling Location Map</b></p>		<p><b>Figure 5</b></p>	
<p>Drawing Title</p>			
<p>Drawing No</p>			

197 Canal Street  
Staten Island, New York  
Block 527, Lots 50 & 52

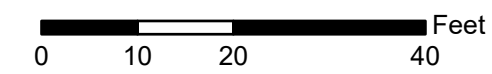


Analyte	NY-UNRES	NY-RESRR
<b>SVOCs</b>		
mg/kg		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Indeno(1,2,3-cd)pyrene	0.5	0.5
<b>Total Metals</b>		
Barium	350	400
Cadmium	2.5	4.3
Copper	50	270
Lead	63	400
Mercury	0.18	0.81
Nickel	30	310
Zinc	109	10000
<b>Pesticides</b>		
4,4'-DDE	0.0033	8.9
4,4'-DDT	0.0033	7.9
<b>PCBs</b>		
Aroclor 1254	0.1	1
PCBs, Total	0.1	1

- Notes:**
1. Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs
  2. Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs
  2. NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives
  4. NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives
  5. J = Estimated value
  6. ND = Not detected

**Legend**

- Soil Sample Location
- Soil/Groundwater Sample Location
- Tax Lots
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Date March 2021

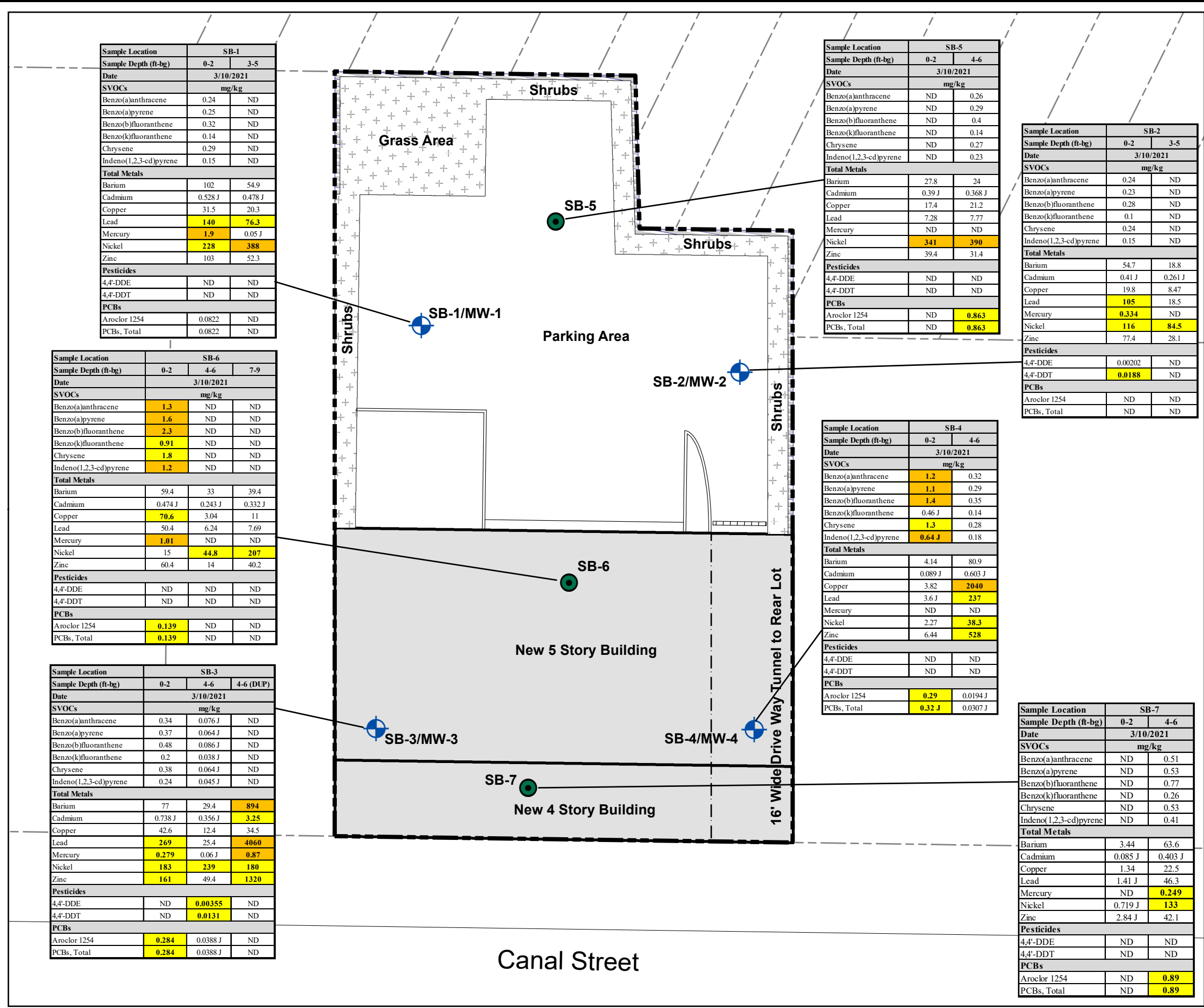
Scale As Noted

**Soil Analytical Results**

**Figure 6**

Drawing Title

Drawing No



Sample Location SB-1		
Sample Depth (ft-bg)	0-2	3-5
Date	3/10/2021	
SVOCs mg/kg		
Benzo(a)anthracene	0.24	ND
Benzo(a)pyrene	0.25	ND
Benzo(b)fluoranthene	0.32	ND
Benzo(k)fluoranthene	0.14	ND
Chrysene	0.29	ND
Indeno(1,2,3-cd)pyrene	0.15	ND
Total Metals		
Barium	102	54.9
Cadmium	0.528 J	0.478 J
Copper	31.5	20.3
Lead	140	76.3
Mercury	1.9	0.05 J
Nickel	228	388
Zinc	103	52.3
Pesticides		
4,4'-DDE	ND	ND
4,4'-DDT	ND	ND
PCBs		
Aroclor 1254	0.0822	ND
PCBs, Total	0.0822	ND

Sample Location SB-5		
Sample Depth (ft-bg)	0-2	4-6
Date	3/10/2021	
SVOCs mg/kg		
Benzo(a)anthracene	ND	0.26
Benzo(a)pyrene	ND	0.29
Benzo(b)fluoranthene	ND	0.4
Benzo(k)fluoranthene	ND	0.14
Chrysene	ND	0.27
Indeno(1,2,3-cd)pyrene	ND	0.23
Total Metals		
Barium	27.8	24
Cadmium	0.39 J	0.368 J
Copper	17.4	21.2
Lead	7.28	7.77
Mercury	ND	ND
Nickel	341	390
Zinc	39.4	31.4
Pesticides		
4,4'-DDE	ND	ND
4,4'-DDT	ND	ND
PCBs		
Aroclor 1254	ND	0.863
PCBs, Total	ND	0.863

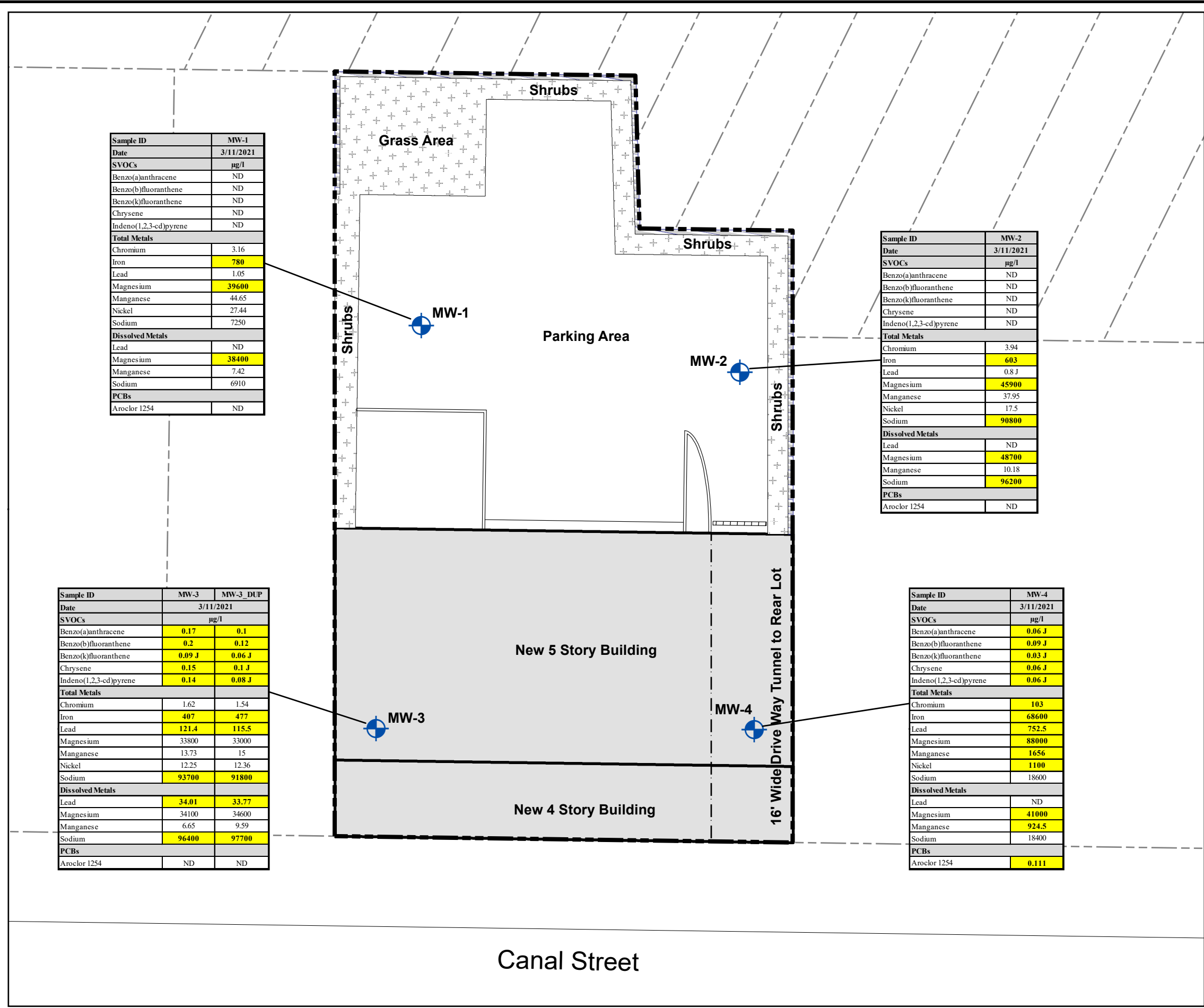
Sample Location SB-2		
Sample Depth (ft-bg)	0-2	3-5
Date	3/10/2021	
SVOCs mg/kg		
Benzo(a)anthracene	0.24	ND
Benzo(a)pyrene	0.23	ND
Benzo(b)fluoranthene	0.28	ND
Benzo(k)fluoranthene	0.1	ND
Chrysene	0.24	ND
Indeno(1,2,3-cd)pyrene	0.15	ND
Total Metals		
Barium	54.7	18.8
Cadmium	0.41 J	0.261 J
Copper	19.8	8.47
Lead	105	18.5
Mercury	0.334	ND
Nickel	116	84.5
Zinc	77.4	28.1
Pesticides		
4,4'-DDE	0.00202	ND
4,4'-DDT	0.0188	ND
PCBs		
Aroclor 1254	ND	ND
PCBs, Total	ND	ND

Sample Location SB-4		
Sample Depth (ft-bg)	0-2	4-6
Date	3/10/2021	
SVOCs mg/kg		
Benzo(a)anthracene	1.2	0.32
Benzo(a)pyrene	1.1	0.29
Benzo(b)fluoranthene	1.4	0.35
Benzo(k)fluoranthene	0.46 J	0.14
Chrysene	1.3	0.28
Indeno(1,2,3-cd)pyrene	0.64 J	0.18
Total Metals		
Barium	4.14	80.9
Cadmium	0.089 J	0.603 J
Copper	3.82	2040
Lead	3.6 J	237
Mercury	ND	ND
Nickel	2.27	38.3
Zinc	6.44	528
Pesticides		
4,4'-DDE	ND	ND
4,4'-DDT	ND	ND
PCBs		
Aroclor 1254	0.29	0.0194 J
PCBs, Total	0.32 J	0.0307 J

Sample Location SB-6			
Sample Depth (ft-bg)	0-2	4-6	7-9
Date	3/10/2021		
SVOCs mg/kg			
Benzo(a)anthracene	1.3	ND	ND
Benzo(a)pyrene	1.6	ND	ND
Benzo(b)fluoranthene	2.3	ND	ND
Benzo(k)fluoranthene	0.91	ND	ND
Chrysene	1.8	ND	ND
Indeno(1,2,3-cd)pyrene	1.2	ND	ND
Total Metals			
Barium	59.4	33	39.4
Cadmium	0.474 J	0.243 J	0.332 J
Copper	70.6	3.04	11
Lead	50.4	6.24	7.69
Mercury	1.01	ND	ND
Nickel	15	44.8	207
Zinc	60.4	14	40.2
Pesticides			
4,4'-DDE	ND	ND	ND
4,4'-DDT	ND	ND	ND
PCBs			
Aroclor 1254	0.139	ND	ND
PCBs, Total	0.139	ND	ND

Sample Location SB-3			
Sample Depth (ft-bg)	0-2	4-6	4-6 (DUP)
Date	3/10/2021		
SVOCs mg/kg			
Benzo(a)anthracene	0.34	0.076 J	ND
Benzo(a)pyrene	0.37	0.064 J	ND
Benzo(b)fluoranthene	0.48	0.086 J	ND
Benzo(k)fluoranthene	0.2	0.038 J	ND
Chrysene	0.38	0.064 J	ND
Indeno(1,2,3-cd)pyrene	0.24	0.045 J	ND
Total Metals			
Barium	77	29.4	894
Cadmium	0.738 J	0.356 J	3.25
Copper	42.6	12.4	34.5
Lead	269	25.4	4060
Mercury	0.279	0.06 J	0.87
Nickel	183	239	180
Zinc	161	49.4	1320
Pesticides			
4,4'-DDE	ND	0.00355	ND
4,4'-DDT	ND	0.0131	ND
PCBs			
Aroclor 1254	0.284	0.0388 J	ND
PCBs, Total	0.284	0.0388 J	ND

Basemap: USGS Topographic Map, 7.5 Minute Quadrangles: Jersey City, NJ 2016 & The Narrows, NY, 2016



Sample ID	MW-1
Date	3/11/2021
SVOCs	µg/l
Benzo(a)anthracene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Chrysene	ND
Indeno(1,2,3-cd)pyrene	ND
<b>Total Metals</b>	
Chromium	3.16
Iron	<b>780</b>
Lead	1.05
Magnesium	<b>39600</b>
Manganese	44.65
Nickel	27.44
Sodium	7250
<b>Dissolved Metals</b>	
Lead	ND
Magnesium	<b>38400</b>
Manganese	7.42
Sodium	6910
<b>PCBs</b>	
Aroclor 1254	ND

Sample ID	MW-2
Date	3/11/2021
SVOCs	µg/l
Benzo(a)anthracene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Chrysene	ND
Indeno(1,2,3-cd)pyrene	ND
<b>Total Metals</b>	
Chromium	3.94
Iron	<b>603</b>
Lead	0.8 J
Magnesium	<b>45900</b>
Manganese	37.95
Nickel	17.5
Sodium	<b>90800</b>
<b>Dissolved Metals</b>	
Lead	ND
Magnesium	<b>48700</b>
Manganese	10.18
Sodium	<b>96200</b>
<b>PCBs</b>	
Aroclor 1254	ND

Sample ID	MW-3	MW-3_DUP
Date	3/11/2021	
SVOCs	µg/l	
Benzo(a)anthracene	<b>0.17</b>	<b>0.1</b>
Benzo(b)fluoranthene	<b>0.2</b>	<b>0.12</b>
Benzo(k)fluoranthene	<b>0.09 J</b>	<b>0.06 J</b>
Chrysene	<b>0.15</b>	<b>0.1 J</b>
Indeno(1,2,3-cd)pyrene	<b>0.14</b>	<b>0.08 J</b>
<b>Total Metals</b>		
Chromium	1.62	1.54
Iron	<b>407</b>	<b>477</b>
Lead	<b>121.4</b>	<b>115.5</b>
Magnesium	33800	33000
Manganese	13.73	15
Nickel	12.25	12.36
Sodium	<b>93700</b>	<b>91800</b>
<b>Dissolved Metals</b>		
Lead	<b>34.01</b>	<b>33.77</b>
Magnesium	34100	34600
Manganese	6.65	9.59
Sodium	<b>96400</b>	<b>97700</b>
<b>PCBs</b>		
Aroclor 1254	ND	ND

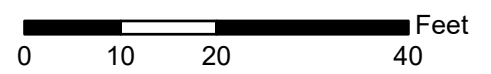
Sample ID	MW-4
Date	3/11/2021
SVOCs	µg/l
Benzo(a)anthracene	<b>0.06 J</b>
Benzo(b)fluoranthene	<b>0.09 J</b>
Benzo(k)fluoranthene	<b>0.03 J</b>
Chrysene	<b>0.06 J</b>
Indeno(1,2,3-cd)pyrene	<b>0.06 J</b>
<b>Total Metals</b>	
Chromium	<b>103</b>
Iron	<b>68600</b>
Lead	<b>752.5</b>
Magnesium	<b>88000</b>
Manganese	<b>1656</b>
Nickel	<b>1100</b>
Sodium	18600
<b>Dissolved Metals</b>	
Lead	ND
Magnesium	<b>41000</b>
Manganese	<b>924.5</b>
Sodium	18400
<b>PCBs</b>	
Aroclor 1254	<b>0.111</b>

Analyte	NY-AWQS
SVOCs	µg/l
Benzo(a)anthracene	0.002
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-cd)pyrene	0.002
<b>Total Metals</b>	
Chromium	50
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Nickel	100
Sodium	20000
<b>Dissolved Metals</b>	
Lead	25
Magnesium	35000
Manganese	300
Sodium	20000
<b>PCBs</b>	
Aroclor 1254	0.09

**Notes:**  
 1. Bold and shaded yellow value indicates concentration exceeds NY-AWQS  
 2. NY-AWQS = NYSDEC Division of Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS)  
 3. J = Estimated value  
 4. ND = Not detected

**Legend**

- Soil/Groundwater Sample Location
- Tax Lots
- Site Boundary
- Proposed Building
- Grass/Shrub Areas



Basemap: USGS Topographic Map, 7.5 Minute Quadrangles: Jersey City, NJ 2016 & The Narrows, NY, 2016

**197 Canal Street**  
**Staten Island, New York**  
**Block 527, Lots 50 & 52**

TENEN ENVIRONMENTAL

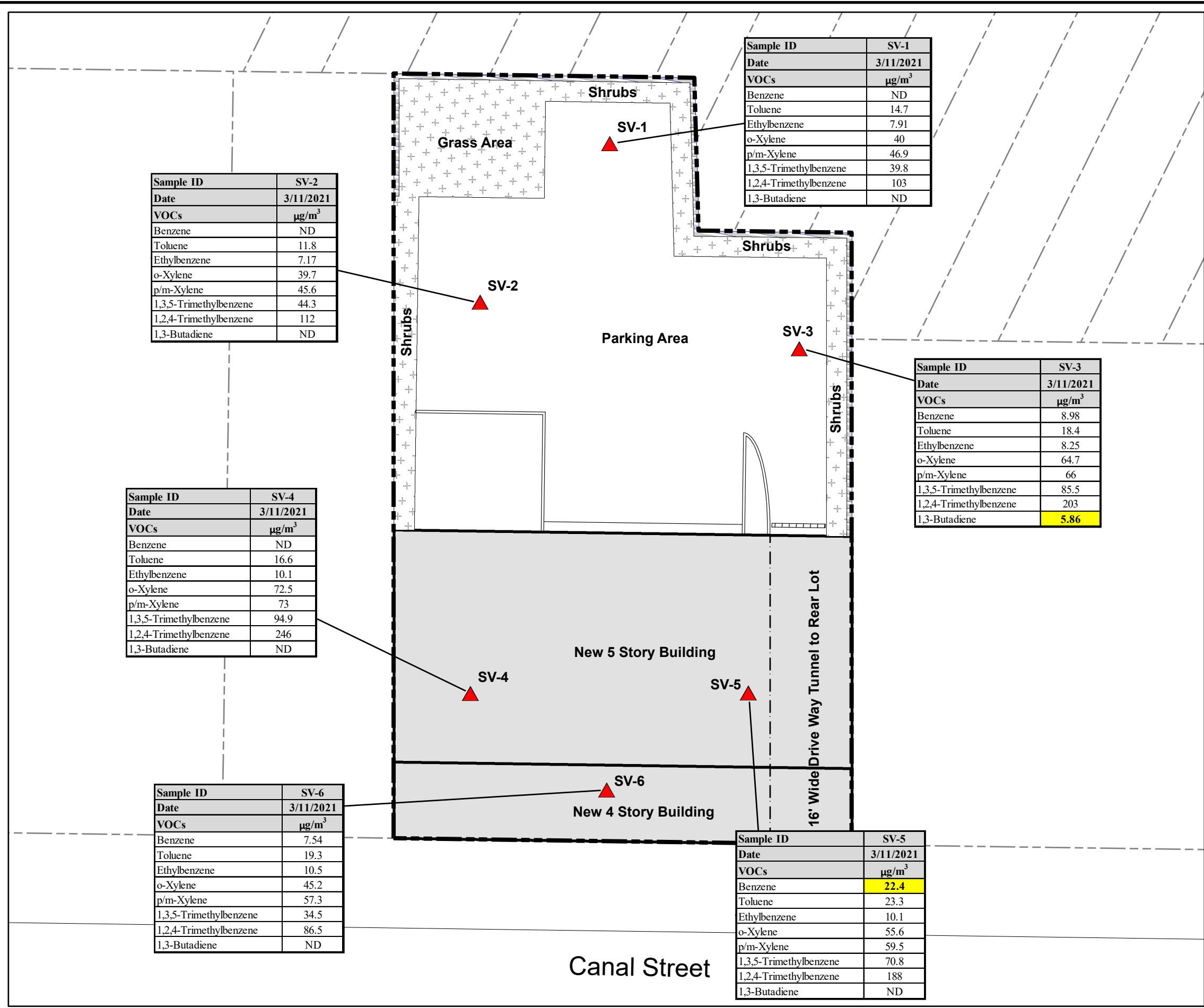
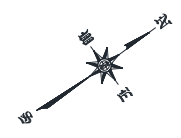
Tenen Environmental, LLC  
 121 West 27th Street  
 Suite 702  
 New York, NY 10001  
 O: (646) 606-2332  
 F: (646) 606-2379

Drawn By: LM  
 Checked By: AP  
 Date: March 2021  
 Scale: As Noted

**Groundwater Analytical Results**

**Figure 7**





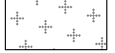
197 Canal Street  
Staten Island, New York  
Block 527, Lots 50 & 52

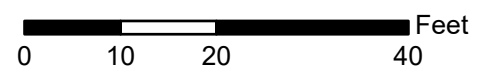


Analyte	EPA-VISL-RTSSGC
VOCs	µg/m <sup>3</sup>
Benzene	12
Toluene	174,000
Ethylbenzene	37.4
o-Xylene	3,480
p/m-Xylene	3,480
1,3,5-Trimethylbenzene	2,090
1,2,4-Trimethylbenzene	2,090
1,3-Butadiene	3.12

**Notes:**  
 1. **Bold and shaded yellow value indicates concentration exceeds EPA-VISL-RTSSGC**  
 2. EPA-VISL-RTSSGC = Environmental Protection Agency Vapor Intrusion Screening Limits, Residential Target Sub-Slab and Exterior Soil Gas Concentrations  
 3. ND = Not detected

**Legend**

-  Soil Vapor Sample Location
-  Tax Lots
-  Site Boundary
-  Proposed Building
-  Grass/Shrub Areas



Site

TENEN ENVIRONMENTAL

Tenen Environmental, LLC  
 121 West 27th Street  
 Suite 702  
 New York, NY 10001  
 O: (646) 606-2332  
 F: (646) 606-2379

Drawn By LM

Checked By AP

Date March 2021

Scale As Noted

**Soil Vapor Analytical Results**

Figure 8



# TABLES

Table 4a. Volatile Organic Compounds in Soil  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-1 (0-2)	SB-1 (3-5)	SB-2 (0-2)
				3/10/2021	3/10/2021	3/10/2021
SAMPLING DATE				L2111885-01	L2111885-02	L2111885-03
LAB SAMPLE ID				Qual	Qual	Qual
<b>General Chemistry</b>						
Solids, Total	NS	NS	%	92.1	92.9	94.4
<b>Volatile Organics by EPA 5035</b>						
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
1,1,1-Trichloroethane	0.68	100	mg/kg	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	mg/kg	ND	ND	ND
1,1-Dichloroethane	0.27	26	mg/kg	ND	ND	ND
1,1-Dichloroethene	0.33	100	mg/kg	ND	ND	ND
1,1-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	mg/kg	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	52	mg/kg	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND	ND	ND
1,2-Dibromoethane	NS	NS	mg/kg	ND	ND	ND
1,2-Dichlorobenzene	1.1	100	mg/kg	ND	ND	ND
1,2-Dichloroethane	0.02	3.1	mg/kg	ND	ND	ND
1,2-Dichloroethene, Total	NS	NS	mg/kg	ND	ND	ND
1,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	52	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	49	mg/kg	ND	ND	ND
1,3-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	13	mg/kg	ND	ND	ND
1,4-Dioxane	0.1	13	mg/kg	ND	ND	ND
2,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
2-Butanone	0.12	100	mg/kg	ND	ND	ND
2-Hexanone	NS	NS	mg/kg	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	mg/kg	ND	ND	ND
Acetone	0.05	100	mg/kg	ND	0.0056 J	ND
Acrylonitrile	NS	NS	mg/kg	ND	ND	ND
Benzene	0.06	4.8	mg/kg	ND	ND	ND
Bromobenzene	NS	NS	mg/kg	ND	ND	ND
Bromochloromethane	NS	NS	mg/kg	ND	ND	ND
Bromodichloromethane	NS	NS	mg/kg	ND	ND	ND
Bromoform	NS	NS	mg/kg	ND	ND	ND
Bromomethane	NS	NS	mg/kg	ND	ND	ND
Carbon disulfide	NS	NS	mg/kg	ND	ND	ND
Carbon tetrachloride	0.76	2.4	mg/kg	ND	ND	ND
Chlorobenzene	1.1	100	mg/kg	ND	ND	ND
Chloroethane	NS	NS	mg/kg	ND	ND	ND
Chloroform	0.37	49	mg/kg	ND	ND	ND
Chloromethane	NS	NS	mg/kg	ND	ND	ND

Table 4a. Volatile Organic Compounds in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-1 (0-2)	SB-1 (3-5)	SB-2 (0-2)
				3/10/2021	3/10/2021	3/10/2021
SAMPLING DATE				L2111885-01	L2111885-02	L2111885-03
LAB SAMPLE ID				Qual	Qual	Qual
cis-1,2-Dichloroethene	0.25	100	mg/kg	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
Dibromochloromethane	NS	NS	mg/kg	ND	ND	ND
Dibromomethane	NS	NS	mg/kg	ND	ND	ND
Dichlorodifluoromethane	NS	NS	mg/kg	ND	ND	ND
Ethyl ether	NS	NS	mg/kg	ND	ND	ND
Ethylbenzene	1	41	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Isopropylbenzene	NS	NS	mg/kg	ND	ND	ND
Methyl tert butyl ether	0.93	100	mg/kg	ND	ND	ND
Methylene chloride	0.05	100	mg/kg	ND	ND	ND
n-Butylbenzene	12	100	mg/kg	ND	ND	ND
n-Propylbenzene	3.9	100	mg/kg	ND	ND	ND
Naphthalene	12	100	mg/kg	ND	ND	ND
o-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
o-Xylene	NS	NS	mg/kg	ND	ND	ND
p-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
p-Diethylbenzene	NS	NS	mg/kg	ND	ND	ND
p-Ethyltoluene	NS	NS	mg/kg	ND	ND	ND
p-Isopropyltoluene	NS	NS	mg/kg	ND	ND	ND
p/m-Xylene	NS	NS	mg/kg	ND	ND	ND
sec-Butylbenzene	11	100	mg/kg	ND	ND	ND
Styrene	NS	NS	mg/kg	ND	ND	ND
tert-Butylbenzene	5.9	100	mg/kg	ND	ND	ND
Tetrachloroethene	1.3	19	mg/kg	ND	ND	ND
Toluene	0.7	100	mg/kg	ND	ND	ND
trans-1,2-Dichloroethene	0.19	100	mg/kg	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND	ND	ND
Trichloroethene	0.47	21	mg/kg	ND	ND	ND
Trichlorofluoromethane	NS	NS	mg/kg	ND	ND	ND
Vinyl acetate	NS	NS	mg/kg	ND	ND	ND
Vinyl chloride	0.02	0.9	mg/kg	ND	ND	ND
Xylenes, Total	0.26	100	mg/kg	ND	ND	ND

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4a. Volatile Organic Compounds in Soil  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-2 (3-5)	SB-3 (0-2)	SB-3 (4-6)
SAMPLING DATE				3/10/2021	3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-04	L2111885-05	L2111885-06
				Qual	Qual	Qual
<b>General Chemistry</b>						
Solids, Total	NS	NS	%	87	88	82.1
<b>Volatile Organics by EPA 5035</b>						
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
1,1,1-Trichloroethane	0.68	100	mg/kg	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	mg/kg	ND	ND	ND
1,1-Dichloroethane	0.27	26	mg/kg	ND	ND	ND
1,1-Dichloroethene	0.33	100	mg/kg	ND	ND	ND
1,1-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	mg/kg	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	52	mg/kg	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND	ND	ND
1,2-Dibromoethane	NS	NS	mg/kg	ND	ND	ND
1,2-Dichlorobenzene	1.1	100	mg/kg	ND	ND	ND
1,2-Dichloroethane	0.02	3.1	mg/kg	ND	ND	ND
1,2-Dichloroethene, Total	NS	NS	mg/kg	ND	ND	ND
1,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	52	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	49	mg/kg	ND	ND	ND
1,3-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	13	mg/kg	ND	ND	ND
1,4-Dioxane	0.1	13	mg/kg	ND	ND	ND
2,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
2-Butanone	0.12	100	mg/kg	ND	ND	ND
2-Hexanone	NS	NS	mg/kg	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	mg/kg	ND	ND	ND
Acetone	0.05	100	mg/kg	0.0051 J	0.0079 J	0.0064 J
Acrylonitrile	NS	NS	mg/kg	ND	ND	ND
Benzene	0.06	4.8	mg/kg	ND	ND	ND
Bromobenzene	NS	NS	mg/kg	ND	ND	ND
Bromochloromethane	NS	NS	mg/kg	ND	ND	ND
Bromodichloromethane	NS	NS	mg/kg	ND	ND	ND
Bromoform	NS	NS	mg/kg	ND	ND	ND
Bromomethane	NS	NS	mg/kg	ND	ND	ND
Carbon disulfide	NS	NS	mg/kg	ND	ND	ND
Carbon tetrachloride	0.76	2.4	mg/kg	ND	ND	ND
Chlorobenzene	1.1	100	mg/kg	ND	ND	ND
Chloroethane	NS	NS	mg/kg	ND	ND	ND
Chloroform	0.37	49	mg/kg	ND	ND	ND
Chloromethane	NS	NS	mg/kg	ND	ND	ND

Table 4a. Volatile Organic Compounds in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-2 (3-5)	SB-3 (0-2)	SB-3 (4-6)
SAMPLING DATE				3/10/2021	3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-04	L2111885-05	L2111885-06
				Qual	Qual	Qual
cis-1,2-Dichloroethene	0.25	100	mg/kg	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
Dibromochloromethane	NS	NS	mg/kg	ND	ND	ND
Dibromomethane	NS	NS	mg/kg	ND	ND	ND
Dichlorodifluoromethane	NS	NS	mg/kg	ND	ND	ND
Ethyl ether	NS	NS	mg/kg	ND	ND	ND
Ethylbenzene	1	41	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Isopropylbenzene	NS	NS	mg/kg	ND	ND	ND
Methyl tert butyl ether	0.93	100	mg/kg	ND	ND	ND
Methylene chloride	0.05	100	mg/kg	ND	ND	ND
n-Butylbenzene	12	100	mg/kg	ND	ND	ND
n-Propylbenzene	3.9	100	mg/kg	ND	ND	ND
Naphthalene	12	100	mg/kg	ND	ND	ND
o-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
o-Xylene	NS	NS	mg/kg	ND	ND	ND
p-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
p-Diethylbenzene	NS	NS	mg/kg	ND	ND	ND
p-Ethyltoluene	NS	NS	mg/kg	ND	ND	ND
p-Isopropyltoluene	NS	NS	mg/kg	ND	ND	ND
p/m-Xylene	NS	NS	mg/kg	ND	ND	ND
sec-Butylbenzene	11	100	mg/kg	ND	ND	ND
Styrene	NS	NS	mg/kg	ND	ND	ND
tert-Butylbenzene	5.9	100	mg/kg	ND	ND	ND
Tetrachloroethene	1.3	19	mg/kg	ND	ND	ND
Toluene	0.7	100	mg/kg	ND	ND	ND
trans-1,2-Dichloroethene	0.19	100	mg/kg	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND	ND	ND
Trichloroethene	0.47	21	mg/kg	ND	ND	ND
Trichlorofluoromethane	NS	NS	mg/kg	ND	ND	ND
Vinyl acetate	NS	NS	mg/kg	ND	ND	ND
Vinyl chloride	0.02	0.9	mg/kg	ND	ND	ND
Xylenes, Total	0.26	100	mg/kg	ND	ND	ND

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup

Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4a. Volatile Organic Compounds in Soil  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-3 (4-6)_DUP	SB-4 (0-2)	SB-4 (4-6)
SAMPLING DATE				3/10/2021	3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-07	L2111885-08	L2111885-09
				Qual	Qual	Qual
<b>General Chemistry</b>						
Solids, Total	NS	NS	%	83.6	97.7	92.4
<b>Volatile Organics by EPA 5035</b>						
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
1,1,1-Trichloroethane	0.68	100	mg/kg	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	mg/kg	ND	ND	ND
1,1-Dichloroethane	0.27	26	mg/kg	ND	ND	ND
1,1-Dichloroethene	0.33	100	mg/kg	ND	ND	ND
1,1-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	mg/kg	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	52	mg/kg	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND	ND	ND
1,2-Dibromoethane	NS	NS	mg/kg	ND	ND	ND
1,2-Dichlorobenzene	1.1	100	mg/kg	ND	ND	ND
1,2-Dichloroethane	0.02	3.1	mg/kg	ND	ND	ND
1,2-Dichloroethene, Total	NS	NS	mg/kg	ND	ND	ND
1,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	52	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	49	mg/kg	ND	ND	ND
1,3-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	13	mg/kg	ND	ND	ND
1,4-Dioxane	0.1	13	mg/kg	ND	ND	ND
2,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
2-Butanone	0.12	100	mg/kg	ND	ND	ND
2-Hexanone	NS	NS	mg/kg	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	mg/kg	ND	ND	ND
Acetone	0.05	100	mg/kg	0.0066 J	ND	ND
Acrylonitrile	NS	NS	mg/kg	ND	ND	ND
Benzene	0.06	4.8	mg/kg	ND	ND	0.00045 J
Bromobenzene	NS	NS	mg/kg	ND	ND	ND
Bromochloromethane	NS	NS	mg/kg	ND	ND	ND
Bromodichloromethane	NS	NS	mg/kg	ND	ND	ND
Bromoform	NS	NS	mg/kg	ND	ND	ND
Bromomethane	NS	NS	mg/kg	ND	ND	ND
Carbon disulfide	NS	NS	mg/kg	ND	ND	ND
Carbon tetrachloride	0.76	2.4	mg/kg	ND	ND	ND
Chlorobenzene	1.1	100	mg/kg	ND	ND	ND
Chloroethane	NS	NS	mg/kg	ND	ND	ND
Chloroform	0.37	49	mg/kg	ND	ND	ND
Chloromethane	NS	NS	mg/kg	ND	ND	ND

Table 4a. Volatile Organic Compounds in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-3 (4-6)_DUP	SB-4 (0-2)	SB-4 (4-6)
				3/10/2021	3/10/2021	3/10/2021
SAMPLING DATE				L2111885-07	L2111885-08	L2111885-09
LAB SAMPLE ID				Qual	Qual	Qual
cis-1,2-Dichloroethene	0.25	100	mg/kg	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
Dibromochloromethane	NS	NS	mg/kg	ND	ND	ND
Dibromomethane	NS	NS	mg/kg	ND	ND	ND
Dichlorodifluoromethane	NS	NS	mg/kg	ND	ND	ND
Ethyl ether	NS	NS	mg/kg	ND	ND	ND
Ethylbenzene	1	41	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Isopropylbenzene	NS	NS	mg/kg	ND	ND	ND
Methyl tert butyl ether	0.93	100	mg/kg	ND	ND	ND
Methylene chloride	0.05	100	mg/kg	ND	ND	ND
n-Butylbenzene	12	100	mg/kg	ND	ND	ND
n-Propylbenzene	3.9	100	mg/kg	ND	ND	ND
Naphthalene	12	100	mg/kg	ND	ND	ND
o-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
o-Xylene	NS	NS	mg/kg	ND	ND	ND
p-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
p-Diethylbenzene	NS	NS	mg/kg	ND	ND	ND
p-Ethyltoluene	NS	NS	mg/kg	ND	ND	ND
p-Isopropyltoluene	NS	NS	mg/kg	ND	ND	ND
p/m-Xylene	NS	NS	mg/kg	ND	ND	ND
sec-Butylbenzene	11	100	mg/kg	ND	ND	ND
Styrene	NS	NS	mg/kg	ND	ND	ND
tert-Butylbenzene	5.9	100	mg/kg	ND	ND	ND
Tetrachloroethene	1.3	19	mg/kg	ND	ND	ND
Toluene	0.7	100	mg/kg	ND	ND	ND
trans-1,2-Dichloroethene	0.19	100	mg/kg	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND	ND	ND
Trichloroethene	0.47	21	mg/kg	ND	ND	ND
Trichlorofluoromethane	NS	NS	mg/kg	ND	ND	ND
Vinyl acetate	NS	NS	mg/kg	ND	ND	ND
Vinyl chloride	0.02	0.9	mg/kg	ND	ND	ND
Xylenes, Total	0.26	100	mg/kg	ND	ND	ND

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup

Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4a. Volatile Organic Compounds in Soil  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-5 (0-2)	SB-5 (4-6)	SB-6 (0-2)
SAMPLING DATE				3/10/2021	3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-10	L2111885-11	L2111885-12
				Qual	Qual	Qual
<b>General Chemistry</b>						
Solids, Total	NS	NS	%	94.7	94.6	86.2
<b>Volatile Organics by EPA 5035</b>						
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
1,1,1-Trichloroethane	0.68	100	mg/kg	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	mg/kg	ND	ND	ND
1,1-Dichloroethane	0.27	26	mg/kg	ND	ND	ND
1,1-Dichloroethene	0.33	100	mg/kg	ND	ND	ND
1,1-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	mg/kg	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	52	mg/kg	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND	ND	ND
1,2-Dibromoethane	NS	NS	mg/kg	ND	ND	ND
1,2-Dichlorobenzene	1.1	100	mg/kg	ND	ND	ND
1,2-Dichloroethane	0.02	3.1	mg/kg	ND	ND	ND
1,2-Dichloroethene, Total	NS	NS	mg/kg	ND	ND	ND
1,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	52	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	49	mg/kg	ND	ND	ND
1,3-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	13	mg/kg	ND	ND	ND
1,4-Dioxane	0.1	13	mg/kg	ND	ND	ND
2,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
2-Butanone	0.12	100	mg/kg	ND	ND	ND
2-Hexanone	NS	NS	mg/kg	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	mg/kg	ND	ND	ND
Acetone	0.05	100	mg/kg	0.023	ND	ND
Acrylonitrile	NS	NS	mg/kg	ND	ND	ND
Benzene	0.06	4.8	mg/kg	ND	ND	ND
Bromobenzene	NS	NS	mg/kg	ND	ND	ND
Bromochloromethane	NS	NS	mg/kg	ND	ND	ND
Bromodichloromethane	NS	NS	mg/kg	ND	ND	ND
Bromoform	NS	NS	mg/kg	ND	ND	ND
Bromomethane	NS	NS	mg/kg	ND	ND	ND
Carbon disulfide	NS	NS	mg/kg	ND	ND	ND
Carbon tetrachloride	0.76	2.4	mg/kg	ND	ND	ND
Chlorobenzene	1.1	100	mg/kg	ND	ND	ND
Chloroethane	NS	NS	mg/kg	ND	ND	ND
Chloroform	0.37	49	mg/kg	ND	ND	ND
Chloromethane	NS	NS	mg/kg	ND	ND	ND



Table 4a. Volatile Organic Compounds in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-5 (0-2)	SB-5 (4-6)	SB-6 (0-2)
				3/10/2021	3/10/2021	3/10/2021
SAMPLING DATE				L2111885-10	L2111885-11	L2111885-12
LAB SAMPLE ID				Qual	Qual	Qual
cis-1,2-Dichloroethene	0.25	100	mg/kg	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
Dibromochloromethane	NS	NS	mg/kg	ND	ND	ND
Dibromomethane	NS	NS	mg/kg	ND	ND	ND
Dichlorodifluoromethane	NS	NS	mg/kg	ND	ND	ND
Ethyl ether	NS	NS	mg/kg	ND	ND	ND
Ethylbenzene	1	41	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Isopropylbenzene	NS	NS	mg/kg	ND	ND	ND
Methyl tert butyl ether	0.93	100	mg/kg	ND	ND	ND
Methylene chloride	0.05	100	mg/kg	ND	ND	ND
n-Butylbenzene	12	100	mg/kg	ND	ND	ND
n-Propylbenzene	3.9	100	mg/kg	ND	ND	ND
Naphthalene	12	100	mg/kg	ND	ND	ND
o-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
o-Xylene	NS	NS	mg/kg	ND	ND	ND
p-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
p-Diethylbenzene	NS	NS	mg/kg	ND	ND	ND
p-Ethyltoluene	NS	NS	mg/kg	ND	ND	ND
p-Isopropyltoluene	NS	NS	mg/kg	ND	ND	ND
p/m-Xylene	NS	NS	mg/kg	ND	ND	ND
sec-Butylbenzene	11	100	mg/kg	ND	ND	ND
Styrene	NS	NS	mg/kg	ND	ND	ND
tert-Butylbenzene	5.9	100	mg/kg	ND	ND	ND
Tetrachloroethene	1.3	19	mg/kg	ND	ND	ND
Toluene	0.7	100	mg/kg	ND	ND	ND
trans-1,2-Dichloroethene	0.19	100	mg/kg	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND	ND	ND
Trichloroethene	0.47	21	mg/kg	ND	ND	ND
Trichlorofluoromethane	NS	NS	mg/kg	ND	ND	ND
Vinyl acetate	NS	NS	mg/kg	ND	ND	ND
Vinyl chloride	0.02	0.9	mg/kg	ND	ND	ND
Xylenes, Total	0.26	100	mg/kg	ND	ND	ND

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup

Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4a. Volatile Organic Compounds in Soil  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-6 (4-6)	SB-6 (7-9)	SB-7 (0-2)
SAMPLING DATE				3/10/2021	3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-13	L2111885-14	L2111885-15
				Qual	Qual	Qual
<b>General Chemistry</b>						
Solids, Total	NS	NS	%	87.8	78.9	98.7
<b>Volatile Organics by EPA 5035</b>						
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
1,1,1-Trichloroethane	0.68	100	mg/kg	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	mg/kg	ND	ND	ND
1,1-Dichloroethane	0.27	26	mg/kg	ND	ND	ND
1,1-Dichloroethene	0.33	100	mg/kg	ND	ND	ND
1,1-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	mg/kg	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	52	mg/kg	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND	ND	ND
1,2-Dibromoethane	NS	NS	mg/kg	ND	ND	ND
1,2-Dichlorobenzene	1.1	100	mg/kg	ND	ND	ND
1,2-Dichloroethane	0.02	3.1	mg/kg	ND	ND	ND
1,2-Dichloroethene, Total	NS	NS	mg/kg	ND	ND	ND
1,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	52	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	49	mg/kg	ND	ND	ND
1,3-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	13	mg/kg	ND	ND	ND
1,4-Dioxane	0.1	13	mg/kg	ND	ND	ND
2,2-Dichloropropane	NS	NS	mg/kg	ND	ND	ND
2-Butanone	0.12	100	mg/kg	ND	0.006 J	ND
2-Hexanone	NS	NS	mg/kg	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	mg/kg	ND	ND	ND
Acetone	0.05	100	mg/kg	ND	0.032	ND
Acrylonitrile	NS	NS	mg/kg	ND	ND	ND
Benzene	0.06	4.8	mg/kg	ND	ND	ND
Bromobenzene	NS	NS	mg/kg	ND	ND	ND
Bromochloromethane	NS	NS	mg/kg	ND	ND	ND
Bromodichloromethane	NS	NS	mg/kg	ND	ND	ND
Bromoform	NS	NS	mg/kg	ND	ND	ND
Bromomethane	NS	NS	mg/kg	ND	ND	ND
Carbon disulfide	NS	NS	mg/kg	ND	ND	ND
Carbon tetrachloride	0.76	2.4	mg/kg	ND	ND	ND
Chlorobenzene	1.1	100	mg/kg	ND	ND	ND
Chloroethane	NS	NS	mg/kg	ND	ND	ND
Chloroform	0.37	49	mg/kg	ND	ND	ND
Chloromethane	NS	NS	mg/kg	ND	ND	ND

Table 4a. Volatile Organic Compounds in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-6 (4-6)	SB-6 (7-9)	SB-7 (0-2)
				3/10/2021	3/10/2021	3/10/2021
SAMPLING DATE				L2111885-13	L2111885-14	L2111885-15
LAB SAMPLE ID				Qual	Qual	Qual
cis-1,2-Dichloroethene	0.25	100	mg/kg	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
Dibromochloromethane	NS	NS	mg/kg	ND	ND	ND
Dibromomethane	NS	NS	mg/kg	ND	ND	ND
Dichlorodifluoromethane	NS	NS	mg/kg	ND	ND	ND
Ethyl ether	NS	NS	mg/kg	ND	ND	ND
Ethylbenzene	1	41	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Isopropylbenzene	NS	NS	mg/kg	ND	ND	ND
Methyl tert butyl ether	0.93	100	mg/kg	ND	ND	ND
Methylene chloride	0.05	100	mg/kg	ND	ND	ND
n-Butylbenzene	12	100	mg/kg	ND	ND	ND
n-Propylbenzene	3.9	100	mg/kg	ND	ND	ND
Naphthalene	12	100	mg/kg	ND	ND	ND
o-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
o-Xylene	NS	NS	mg/kg	ND	ND	ND
p-Chlorotoluene	NS	NS	mg/kg	ND	ND	ND
p-Diethylbenzene	NS	NS	mg/kg	ND	ND	ND
p-Ethyltoluene	NS	NS	mg/kg	ND	ND	ND
p-Isopropyltoluene	NS	NS	mg/kg	ND	ND	ND
p/m-Xylene	NS	NS	mg/kg	ND	ND	ND
sec-Butylbenzene	11	100	mg/kg	ND	ND	ND
Styrene	NS	NS	mg/kg	ND	ND	ND
tert-Butylbenzene	5.9	100	mg/kg	ND	ND	ND
Tetrachloroethene	1.3	19	mg/kg	ND	ND	ND
Toluene	0.7	100	mg/kg	ND	ND	ND
trans-1,2-Dichloroethene	0.19	100	mg/kg	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND	ND	ND
Trichloroethene	0.47	21	mg/kg	ND	ND	ND
Trichlorofluoromethane	NS	NS	mg/kg	ND	ND	ND
Vinyl acetate	NS	NS	mg/kg	ND	ND	ND
Vinyl chloride	0.02	0.9	mg/kg	ND	ND	ND
Xylenes, Total	0.26	100	mg/kg	ND	ND	ND

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup

Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4a. Volatile Organic Compounds in Soil  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-7 (4-6)
SAMPLING DATE				3/10/2021
LAB SAMPLE ID				L2111885-16
				Qual
<b>General Chemistry</b>				
Solids, Total	NS	NS	%	88.6
<b>Volatile Organics by EPA 5035</b>				
1,1,1,2-Tetrachloroethane	NS	NS	mg/kg	ND
1,1,1-Trichloroethane	0.68	100	mg/kg	ND
1,1,2,2-Tetrachloroethane	NS	NS	mg/kg	ND
1,1,2-Trichloroethane	NS	NS	mg/kg	ND
1,1-Dichloroethane	0.27	26	mg/kg	ND
1,1-Dichloroethene	0.33	100	mg/kg	ND
1,1-Dichloropropene	NS	NS	mg/kg	ND
1,2,3-Trichlorobenzene	NS	NS	mg/kg	ND
1,2,3-Trichloropropane	NS	NS	mg/kg	ND
1,2,4,5-Tetramethylbenzene	NS	NS	mg/kg	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND
1,2,4-Trimethylbenzene	3.6	52	mg/kg	ND
1,2-Dibromo-3-chloropropane	NS	NS	mg/kg	ND
1,2-Dibromoethane	NS	NS	mg/kg	ND
1,2-Dichlorobenzene	1.1	100	mg/kg	ND
1,2-Dichloroethane	0.02	3.1	mg/kg	ND
1,2-Dichloroethene, Total	NS	NS	mg/kg	ND
1,2-Dichloropropane	NS	NS	mg/kg	ND
1,3,5-Trimethylbenzene	8.4	52	mg/kg	ND
1,3-Dichlorobenzene	2.4	49	mg/kg	ND
1,3-Dichloropropane	NS	NS	mg/kg	ND
1,3-Dichloropropene, Total	NS	NS	mg/kg	ND
1,4-Dichlorobenzene	1.8	13	mg/kg	ND
1,4-Dioxane	0.1	13	mg/kg	ND
2,2-Dichloropropane	NS	NS	mg/kg	ND
2-Butanone	0.12	100	mg/kg	ND
2-Hexanone	NS	NS	mg/kg	ND
4-Methyl-2-pentanone	NS	NS	mg/kg	ND
Acetone	0.05	100	mg/kg	ND
Acrylonitrile	NS	NS	mg/kg	ND
Benzene	0.06	4.8	mg/kg	0.00049
Bromobenzene	NS	NS	mg/kg	ND
Bromochloromethane	NS	NS	mg/kg	ND
Bromodichloromethane	NS	NS	mg/kg	ND
Bromoform	NS	NS	mg/kg	ND
Bromomethane	NS	NS	mg/kg	ND
Carbon disulfide	NS	NS	mg/kg	ND
Carbon tetrachloride	0.76	2.4	mg/kg	ND
Chlorobenzene	1.1	100	mg/kg	ND
Chloroethane	NS	NS	mg/kg	ND
Chloroform	0.37	49	mg/kg	ND
Chloromethane	NS	NS	mg/kg	ND

Table 4a. Volatile Organic Compounds in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-7 (4-6)
				3/10/2021
				L2111885-16
				Qual
cis-1,2-Dichloroethene	0.25	100	mg/kg	ND
cis-1,3-Dichloropropene	NS	NS	mg/kg	ND
Dibromochloromethane	NS	NS	mg/kg	ND
Dibromomethane	NS	NS	mg/kg	ND
Dichlorodifluoromethane	NS	NS	mg/kg	ND
Ethyl ether	NS	NS	mg/kg	ND
Ethylbenzene	1	41	mg/kg	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND
Isopropylbenzene	NS	NS	mg/kg	ND
Methyl tert butyl ether	0.93	100	mg/kg	ND
Methylene chloride	0.05	100	mg/kg	ND
n-Butylbenzene	12	100	mg/kg	ND
n-Propylbenzene	3.9	100	mg/kg	ND
Naphthalene	12	100	mg/kg	ND
o-Chlorotoluene	NS	NS	mg/kg	ND
o-Xylene	NS	NS	mg/kg	ND
p-Chlorotoluene	NS	NS	mg/kg	ND
p-Diethylbenzene	NS	NS	mg/kg	ND
p-Ethyltoluene	NS	NS	mg/kg	ND
p-Isopropyltoluene	NS	NS	mg/kg	ND
p/m-Xylene	NS	NS	mg/kg	ND
sec-Butylbenzene	11	100	mg/kg	ND
Styrene	NS	NS	mg/kg	ND
tert-Butylbenzene	5.9	100	mg/kg	ND
Tetrachloroethene	1.3	19	mg/kg	ND
Toluene	0.7	100	mg/kg	ND
trans-1,2-Dichloroethene	0.19	100	mg/kg	ND
trans-1,3-Dichloropropene	NS	NS	mg/kg	ND
trans-1,4-Dichloro-2-butene	NS	NS	mg/kg	ND
Trichloroethene	0.47	21	mg/kg	ND
Trichlorofluoromethane	NS	NS	mg/kg	ND
Vinyl acetate	NS	NS	mg/kg	ND
Vinyl chloride	0.02	0.9	mg/kg	ND
Xylenes, Total	0.26	100	mg/kg	ND

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup

Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4b. Semivolatile Organic Compounds in Soil  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-1 (0-2)	SB-1 (3-5)	SB-2 (0-2)
				3/10/2021	3/10/2021	3/10/2021
				L2111885-01	L2111885-02	L2111885-03
				Qual	Qual	Qual
<b>Semivolatile Organics by GC/MS</b>						
1,2,4,5-Tetrachlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2-Dichlorobenzene	1.1	100	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	49	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	13	mg/kg	ND	ND	ND
1,4-Dioxane	0.1	13	mg/kg	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dimethylphenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
2-Chloronaphthalene	NS	NS	mg/kg	ND	ND	ND
2-Chlorophenol	NS	NS	mg/kg	ND	ND	ND
2-Methylnaphthalene	NS	NS	mg/kg	ND	ND	ND
2-Methylphenol	0.33	100	mg/kg	ND	ND	ND
2-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
2-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	mg/kg	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	100	mg/kg	ND	ND	ND
3-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	mg/kg	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
4-Chloroaniline	NS	NS	mg/kg	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
4-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
Acenaphthene	20	100	mg/kg	ND	ND	ND
Acenaphthylene	100	100	mg/kg	0.052 J	ND	0.034 J
Acetophenone	NS	NS	mg/kg	ND	ND	ND
Anthracene	100	100	mg/kg	0.054 J	ND	0.065 J
Benzo(a)anthracene	1	1	mg/kg	0.24	ND	0.24
Benzo(a)pyrene	1	1	mg/kg	0.25	ND	0.23
Benzo(b)fluoranthene	1	1	mg/kg	0.32	ND	0.28
Benzo(ghi)perylene	100	100	mg/kg	0.14	ND	0.28
Benzo(k)fluoranthene	0.8	3.9	mg/kg	0.14	ND	0.1
Benzoic Acid	NS	NS	mg/kg	ND	ND	ND
Benzyl Alcohol	NS	NS	mg/kg	ND	ND	ND
Biphenyl	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	mg/kg	ND	ND	ND

Table 4b. Semivolatile Organic Compounds in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-1 (0-2)	SB-1 (3-5)	SB-2 (0-2)
SAMPLING DATE				3/10/2021	3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-01	L2111885-02	L2111885-03
				Qual	Qual	Qual
Bis(2-ethylhexyl)phthalate	NS	NS	mg/kg	ND	ND	ND
Butyl benzyl phthalate	NS	NS	mg/kg	ND	ND	ND
Carbazole	NS	NS	mg/kg	0.05 J	ND	0.022 J
Chrysene	1	3.9	mg/kg	0.29	ND	0.24
Di-n-butylphthalate	NS	NS	mg/kg	ND	ND	ND
Di-n-octylphthalate	NS	NS	mg/kg	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	0.33	mg/kg	0.03 J	ND	0.033 J
Dibenzofuran	7	59	mg/kg	ND	ND	ND
Diethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Dimethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Fluoranthene	100	100	mg/kg	0.51	ND	0.41
Fluorene	30	100	mg/kg	0.018 J	ND	ND
Hexachlorobenzene	0.33	1.2	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	mg/kg	ND	ND	ND
Hexachloroethane	NS	NS	mg/kg	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	mg/kg	0.15	ND	0.15
Isophorone	NS	NS	mg/kg	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	mg/kg	ND	ND	ND
Naphthalene	12	100	mg/kg	ND	ND	ND
NDPA/DPA	NS	NS	mg/kg	ND	ND	ND
Nitrobenzene	NS	NS	mg/kg	ND	ND	ND
p-Chloro-m-cresol	NS	NS	mg/kg	ND	ND	ND
Pentachlorophenol	0.8	6.7	mg/kg	ND	ND	ND
Phenanthrene	100	100	mg/kg	0.3	ND	0.22
Phenol	0.33	100	mg/kg	ND	ND	ND
Pyrene	100	100	mg/kg	0.43	ND	0.36

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4b. Semivolatile Organic Compounds in Soil  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-2 (3-5)	SB-3 (0-2)	SB-3 (4-6)
				3/10/2021	3/10/2021	3/10/2021
SAMPLING DATE				L2111885-04	L2111885-05	L2111885-06
LAB SAMPLE ID				Qual	Qual	Qual
<b>Semivolatile Organics by GC/MS</b>						
1,2,4,5-Tetrachlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2-Dichlorobenzene	1.1	100	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	49	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	13	mg/kg	ND	ND	ND
1,4-Dioxane	0.1	13	mg/kg	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dimethylphenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
2-Chloronaphthalene	NS	NS	mg/kg	ND	ND	ND
2-Chlorophenol	NS	NS	mg/kg	ND	ND	ND
2-Methylnaphthalene	NS	NS	mg/kg	ND	ND	ND
2-Methylphenol	0.33	100	mg/kg	ND	ND	ND
2-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
2-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	mg/kg	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	100	mg/kg	ND	ND	ND
3-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	mg/kg	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
4-Chloroaniline	NS	NS	mg/kg	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
4-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
Acenaphthene	20	100	mg/kg	ND	ND	ND
Acenaphthylene	100	100	mg/kg	ND	0.083 J	ND
Acetophenone	NS	NS	mg/kg	ND	ND	ND
Anthracene	100	100	mg/kg	ND	0.068 J	ND
Benzo(a)anthracene	1	1	mg/kg	ND	0.34	0.076 J
Benzo(a)pyrene	1	1	mg/kg	ND	0.37	0.064 J
Benzo(b)fluoranthene	1	1	mg/kg	ND	0.48	0.086 J
Benzo(ghi)perylene	100	100	mg/kg	ND	0.24	0.042 J
Benzo(k)fluoranthene	0.8	3.9	mg/kg	ND	0.2	0.038 J
Benzoic Acid	NS	NS	mg/kg	ND	ND	ND
Benzyl Alcohol	NS	NS	mg/kg	ND	ND	ND
Biphenyl	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	mg/kg	ND	ND	ND



Table 4b. Semivolatile Organic Compounds in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-2 (3-5)	SB-3 (0-2)	SB-3 (4-6)
				3/10/2021	3/10/2021	3/10/2021
				L2111885-04	L2111885-05	L2111885-06
				Qual	Qual	Qual
Bis(2-ethylhexyl)phthalate	NS	NS	mg/kg	ND	ND	ND
Butyl benzyl phthalate	NS	NS	mg/kg	ND	ND	ND
Carbazole	NS	NS	mg/kg	ND	0.058 J	ND
Chrysene	1	3.9	mg/kg	ND	0.38	0.064 J
Di-n-butylphthalate	NS	NS	mg/kg	ND	ND	ND
Di-n-octylphthalate	NS	NS	mg/kg	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	0.33	mg/kg	ND	0.056 J	ND
Dibenzofuran	7	59	mg/kg	ND	ND	ND
Diethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Dimethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Fluoranthene	100	100	mg/kg	ND	0.62	0.13
Fluorene	30	100	mg/kg	ND	0.022 J	ND
Hexachlorobenzene	0.33	1.2	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	mg/kg	ND	ND	ND
Hexachloroethane	NS	NS	mg/kg	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	mg/kg	ND	0.24	0.045 J
Isophorone	NS	NS	mg/kg	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	mg/kg	ND	ND	ND
Naphthalene	12	100	mg/kg	ND	0.023 J	ND
NDPA/DPA	NS	NS	mg/kg	ND	ND	ND
Nitrobenzene	NS	NS	mg/kg	ND	ND	ND
p-Chloro-m-cresol	NS	NS	mg/kg	ND	ND	ND
Pentachlorophenol	0.8	6.7	mg/kg	ND	ND	ND
Phenanthrene	100	100	mg/kg	ND	0.34	0.049 J
Phenol	0.33	100	mg/kg	ND	ND	ND
Pyrene	100	100	mg/kg	ND	0.52	0.11 J

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4b. Semivolatile Organic Compounds in Soil  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-3 (4-6)_DUP	SB-4 (0-2)	SB-4 (4-6)
SAMPLING DATE				3/10/2021	3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-07	L2111885-08	L2111885-09
				Qual	Qual	Qual
<b>Semivolatile Organics by GC/MS</b>						
1,2,4,5-Tetrachlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2-Dichlorobenzene	1.1	100	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	49	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	13	mg/kg	ND	ND	ND
1,4-Dioxane	0.1	13	mg/kg	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dimethylphenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
2-Chloronaphthalene	NS	NS	mg/kg	ND	ND	ND
2-Chlorophenol	NS	NS	mg/kg	ND	ND	ND
2-Methylnaphthalene	NS	NS	mg/kg	ND	ND	ND
2-Methylphenol	0.33	100	mg/kg	ND	ND	ND
2-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
2-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	mg/kg	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	100	mg/kg	ND	ND	ND
3-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	mg/kg	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
4-Chloroaniline	NS	NS	mg/kg	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
4-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
Acenaphthene	20	100	mg/kg	ND	ND	ND
Acenaphthylene	100	100	mg/kg	ND	ND	0.078 J
Acetophenone	NS	NS	mg/kg	ND	ND	ND
Anthracene	100	100	mg/kg	ND	0.3 J	0.064 J
Benzo(a)anthracene	1	1	mg/kg	ND	1.2	0.32
Benzo(a)pyrene	1	1	mg/kg	ND	1.1	0.29
Benzo(b)fluoranthene	1	1	mg/kg	ND	1.4	0.35
Benzo(ghi)perylene	100	100	mg/kg	ND	0.56 J	0.17
Benzo(k)fluoranthene	0.8	3.9	mg/kg	ND	0.46 J	0.14
Benzoic Acid	NS	NS	mg/kg	ND	ND	ND
Benzyl Alcohol	NS	NS	mg/kg	ND	ND	ND
Biphenyl	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	mg/kg	ND	ND	ND

Table 4b. Semivolatile Organic Compounds in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-3 (4-6)_DUP	SB-4 (0-2)	SB-4 (4-6)
SAMPLING DATE				3/10/2021	3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-07	L2111885-08	L2111885-09
				Qual	Qual	Qual
Bis(2-ethylhexyl)phthalate	NS	NS	mg/kg	ND	ND	ND
Butyl benzyl phthalate	NS	NS	mg/kg	ND	ND	ND
Carbazole	NS	NS	mg/kg	ND	0.1 J	0.021 J
Chrysene	1	3.9	mg/kg	ND	<b>1.3</b>	0.28
Di-n-butylphthalate	NS	NS	mg/kg	ND	ND	ND
Di-n-octylphthalate	NS	NS	mg/kg	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	0.33	mg/kg	ND	0.18 J	0.045 J
Dibenzofuran	7	59	mg/kg	ND	ND	ND
Diethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Dimethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Fluoranthene	100	100	mg/kg	ND	2.3	0.45
Fluorene	30	100	mg/kg	ND	ND	ND
Hexachlorobenzene	0.33	1.2	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	mg/kg	ND	ND	ND
Hexachloroethane	NS	NS	mg/kg	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	mg/kg	ND	<b>0.64 J</b>	0.18
Isophorone	NS	NS	mg/kg	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	mg/kg	ND	ND	ND
Naphthalene	12	100	mg/kg	ND	ND	ND
NDPA/DPA	NS	NS	mg/kg	ND	ND	ND
Nitrobenzene	NS	NS	mg/kg	ND	ND	ND
p-Chloro-m-cresol	NS	NS	mg/kg	ND	ND	ND
Pentachlorophenol	0.8	6.7	mg/kg	ND	ND	ND
Phenanthrene	100	100	mg/kg	ND	1.2	0.17
Phenol	0.33	100	mg/kg	ND	ND	ND
Pyrene	100	100	mg/kg	ND	1.8	0.41

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4b. Semivolatile Organic Compounds in Soil  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-5 (0-2)	SB-5 (4-6)	SB-6 (0-2)
SAMPLING DATE				3/10/2021	3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-10	L2111885-11	L2111885-12
				Qual	Qual	Qual
<b>Semivolatile Organics by GC/MS</b>						
1,2,4,5-Tetrachlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2-Dichlorobenzene	1.1	100	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	49	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	13	mg/kg	ND	ND	ND
1,4-Dioxane	0.1	13	mg/kg	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dimethylphenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
2-Chloronaphthalene	NS	NS	mg/kg	ND	ND	ND
2-Chlorophenol	NS	NS	mg/kg	ND	ND	ND
2-Methylnaphthalene	NS	NS	mg/kg	ND	ND	0.03 J
2-Methylphenol	0.33	100	mg/kg	ND	ND	ND
2-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
2-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	mg/kg	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	100	mg/kg	ND	ND	ND
3-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	mg/kg	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
4-Chloroaniline	NS	NS	mg/kg	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
4-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
Acenaphthene	20	100	mg/kg	ND	ND	0.033 J
Acenaphthylene	100	100	mg/kg	ND	0.053 J	0.27
Acetophenone	NS	NS	mg/kg	ND	ND	ND
Anthracene	100	100	mg/kg	ND	0.068 J	0.23
Benzo(a)anthracene	1	1	mg/kg	ND	0.26	1.3
Benzo(a)pyrene	1	1	mg/kg	ND	0.29	1.6
Benzo(b)fluoranthene	1	1	mg/kg	ND	0.4	2.3
Benzo(ghi)perylene	100	100	mg/kg	ND	0.22	1.1
Benzo(k)fluoranthene	0.8	3.9	mg/kg	ND	0.14	0.91
Benzoic Acid	NS	NS	mg/kg	ND	ND	ND
Benzyl Alcohol	NS	NS	mg/kg	ND	ND	ND
Biphenyl	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	mg/kg	ND	ND	ND

Table 4b. Semivolatile Organic Compounds in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-5 (0-2)	SB-5 (4-6)	SB-6 (0-2)
SAMPLING DATE				3/10/2021	3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-10	L2111885-11	L2111885-12
				Qual	Qual	Qual
Bis(2-ethylhexyl)phthalate	NS	NS	mg/kg	ND	ND	ND
Butyl benzyl phthalate	NS	NS	mg/kg	ND	ND	ND
Carbazole	NS	NS	mg/kg	ND	0.046 J	0.27
Chrysene	1	3.9	mg/kg	ND	0.27	<b>1.8</b>
Di-n-butylphthalate	NS	NS	mg/kg	ND	ND	ND
Di-n-octylphthalate	NS	NS	mg/kg	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	0.33	mg/kg	ND	0.051 J	0.22
Dibenzofuran	7	59	mg/kg	ND	ND	0.068 J
Diethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Dimethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Fluoranthene	100	100	mg/kg	ND	0.5	3.1
Fluorene	30	100	mg/kg	ND	ND	0.044 J
Hexachlorobenzene	0.33	1.2	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	mg/kg	ND	ND	ND
Hexachloroethane	NS	NS	mg/kg	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	mg/kg	ND	0.23	<b>1.2</b>
Isophorone	NS	NS	mg/kg	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	mg/kg	ND	ND	ND
Naphthalene	12	100	mg/kg	ND	ND	0.11 J
NDPA/DPA	NS	NS	mg/kg	ND	ND	ND
Nitrobenzene	NS	NS	mg/kg	ND	ND	ND
p-Chloro-m-cresol	NS	NS	mg/kg	ND	ND	ND
Pentachlorophenol	0.8	6.7	mg/kg	ND	0.12 J	ND
Phenanthrene	100	100	mg/kg	ND	0.25	1.8
Phenol	0.33	100	mg/kg	ND	ND	ND
Pyrene	100	100	mg/kg	ND	0.42	2.7

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4b. Semivolatile Organic Compounds in Soil  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-6 (4-6)	SB-6 (7-9)	SB-7 (0-2)
SAMPLING DATE				3/10/2021	3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-13	L2111885-14	L2111885-15
				Qual	Qual	Qual
<b>Semivolatile Organics by GC/MS</b>						
1,2,4,5-Tetrachlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND	ND	ND
1,2-Dichlorobenzene	1.1	100	mg/kg	ND	ND	ND
1,3-Dichlorobenzene	2.4	49	mg/kg	ND	ND	ND
1,4-Dichlorobenzene	1.8	13	mg/kg	ND	ND	ND
1,4-Dioxane	0.1	13	mg/kg	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dichlorophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dimethylphenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrophenol	NS	NS	mg/kg	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	mg/kg	ND	ND	ND
2-Chloronaphthalene	NS	NS	mg/kg	ND	ND	ND
2-Chlorophenol	NS	NS	mg/kg	ND	ND	ND
2-Methylnaphthalene	NS	NS	mg/kg	ND	ND	ND
2-Methylphenol	0.33	100	mg/kg	ND	ND	ND
2-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
2-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	mg/kg	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	100	mg/kg	ND	ND	ND
3-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	mg/kg	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
4-Chloroaniline	NS	NS	mg/kg	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	mg/kg	ND	ND	ND
4-Nitroaniline	NS	NS	mg/kg	ND	ND	ND
4-Nitrophenol	NS	NS	mg/kg	ND	ND	ND
Acenaphthene	20	100	mg/kg	ND	ND	ND
Acenaphthylene	100	100	mg/kg	ND	ND	ND
Acetophenone	NS	NS	mg/kg	ND	ND	ND
Anthracene	100	100	mg/kg	ND	ND	ND
Benzo(a)anthracene	1	1	mg/kg	ND	ND	ND
Benzo(a)pyrene	1	1	mg/kg	ND	ND	ND
Benzo(b)fluoranthene	1	1	mg/kg	ND	ND	ND
Benzo(ghi)perylene	100	100	mg/kg	ND	ND	ND
Benzo(k)fluoranthene	0.8	3.9	mg/kg	ND	ND	ND
Benzoic Acid	NS	NS	mg/kg	ND	ND	ND
Benzyl Alcohol	NS	NS	mg/kg	ND	ND	ND
Biphenyl	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	mg/kg	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	mg/kg	ND	ND	ND

Table 4b. Semivolatile Organic Compounds in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-6 (4-6)	SB-6 (7-9)	SB-7 (0-2)
SAMPLING DATE				3/10/2021	3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-13	L2111885-14	L2111885-15
				Qual	Qual	Qual
Bis(2-ethylhexyl)phthalate	NS	NS	mg/kg	ND	ND	ND
Butyl benzyl phthalate	NS	NS	mg/kg	ND	ND	ND
Carbazole	NS	NS	mg/kg	ND	ND	ND
Chrysene	1	3.9	mg/kg	ND	ND	ND
Di-n-butylphthalate	NS	NS	mg/kg	ND	ND	ND
Di-n-octylphthalate	NS	NS	mg/kg	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	0.33	mg/kg	ND	ND	ND
Dibenzofuran	7	59	mg/kg	ND	ND	ND
Diethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Dimethyl phthalate	NS	NS	mg/kg	ND	ND	ND
Fluoranthene	100	100	mg/kg	ND	ND	ND
Fluorene	30	100	mg/kg	ND	ND	ND
Hexachlorobenzene	0.33	1.2	mg/kg	ND	ND	ND
Hexachlorobutadiene	NS	NS	mg/kg	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	mg/kg	ND	ND	ND
Hexachloroethane	NS	NS	mg/kg	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	mg/kg	ND	ND	ND
Isophorone	NS	NS	mg/kg	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	mg/kg	ND	ND	ND
Naphthalene	12	100	mg/kg	ND	ND	ND
NDPA/DPA	NS	NS	mg/kg	ND	ND	ND
Nitrobenzene	NS	NS	mg/kg	ND	ND	ND
p-Chloro-m-cresol	NS	NS	mg/kg	ND	ND	ND
Pentachlorophenol	0.8	6.7	mg/kg	ND	ND	ND
Phenanthrene	100	100	mg/kg	ND	ND	ND
Phenol	0.33	100	mg/kg	ND	ND	ND
Pyrene	100	100	mg/kg	ND	ND	ND

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4b. Semivolatile Organic Compounds in Soil  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-7 (4-6)
SAMPLING DATE				3/10/2021
LAB SAMPLE ID				L2111885-16
				Qual
<b>Semivolatile Organics by GC/MS</b>				
1,2,4,5-Tetrachlorobenzene	NS	NS	mg/kg	ND
1,2,4-Trichlorobenzene	NS	NS	mg/kg	ND
1,2-Dichlorobenzene	1.1	100	mg/kg	ND
1,3-Dichlorobenzene	2.4	49	mg/kg	ND
1,4-Dichlorobenzene	1.8	13	mg/kg	ND
1,4-Dioxane	0.1	13	mg/kg	ND
2,4,5-Trichlorophenol	NS	NS	mg/kg	ND
2,4,6-Trichlorophenol	NS	NS	mg/kg	ND
2,4-Dichlorophenol	NS	NS	mg/kg	ND
2,4-Dimethylphenol	NS	NS	mg/kg	ND
2,4-Dinitrophenol	NS	NS	mg/kg	ND
2,4-Dinitrotoluene	NS	NS	mg/kg	ND
2,6-Dinitrotoluene	NS	NS	mg/kg	ND
2-Chloronaphthalene	NS	NS	mg/kg	ND
2-Chlorophenol	NS	NS	mg/kg	ND
2-Methylnaphthalene	NS	NS	mg/kg	ND
2-Methylphenol	0.33	100	mg/kg	ND
2-Nitroaniline	NS	NS	mg/kg	ND
2-Nitrophenol	NS	NS	mg/kg	ND
3,3'-Dichlorobenzidine	NS	NS	mg/kg	ND
3-Methylphenol/4-Methylphenol	0.33	100	mg/kg	ND
3-Nitroaniline	NS	NS	mg/kg	ND
4,6-Dinitro-o-cresol	NS	NS	mg/kg	ND
4-Bromophenyl phenyl ether	NS	NS	mg/kg	ND
4-Chloroaniline	NS	NS	mg/kg	ND
4-Chlorophenyl phenyl ether	NS	NS	mg/kg	ND
4-Nitroaniline	NS	NS	mg/kg	ND
4-Nitrophenol	NS	NS	mg/kg	ND
Acenaphthene	20	100	mg/kg	ND
Acenaphthylene	100	100	mg/kg	0.17
Acetophenone	NS	NS	mg/kg	ND
Anthracene	100	100	mg/kg	0.12
Benzo(a)anthracene	1	1	mg/kg	0.51
Benzo(a)pyrene	1	1	mg/kg	0.53
Benzo(b)fluoranthene	1	1	mg/kg	0.77
Benzo(ghi)perylene	100	100	mg/kg	0.39
Benzo(k)fluoranthene	0.8	3.9	mg/kg	0.26
Benzoic Acid	NS	NS	mg/kg	ND
Benzyl Alcohol	NS	NS	mg/kg	ND
Biphenyl	NS	NS	mg/kg	ND
Bis(2-chloroethoxy)methane	NS	NS	mg/kg	ND
Bis(2-chloroethyl)ether	NS	NS	mg/kg	ND
Bis(2-chloroisopropyl)ether	NS	NS	mg/kg	ND



Table 4b. Semivolatile Organic Compounds in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-7 (4-6)	
				3/10/2021	L2111885-16
SAMPLING DATE	NY-UNRES	NY-RESRR	Units	Qual	
LAB SAMPLE ID					
Bis(2-ethylhexyl)phthalate	NS	NS	mg/kg	ND	
Butyl benzyl phthalate	NS	NS	mg/kg	ND	
Carbazole	NS	NS	mg/kg	0.083	J
Chrysene	1	3.9	mg/kg	0.53	
Di-n-butylphthalate	NS	NS	mg/kg	ND	
Di-n-octylphthalate	NS	NS	mg/kg	ND	
Dibenzo(a,h)anthracene	0.33	0.33	mg/kg	0.091	J
Dibenzofuran	7	59	mg/kg	0.019	J
Diethyl phthalate	NS	NS	mg/kg	ND	
Dimethyl phthalate	NS	NS	mg/kg	ND	
Fluoranthene	100	100	mg/kg	0.96	
Fluorene	30	100	mg/kg	0.031	J
Hexachlorobenzene	0.33	1.2	mg/kg	ND	
Hexachlorobutadiene	NS	NS	mg/kg	ND	
Hexachlorocyclopentadiene	NS	NS	mg/kg	ND	
Hexachloroethane	NS	NS	mg/kg	ND	
Indeno(1,2,3-cd)pyrene	0.5	0.5	mg/kg	0.41	
Isophorone	NS	NS	mg/kg	ND	
n-Nitrosodi-n-propylamine	NS	NS	mg/kg	ND	
Naphthalene	12	100	mg/kg	0.025	J
NDPA/DPA	NS	NS	mg/kg	ND	
Nitrobenzene	NS	NS	mg/kg	ND	
p-Chloro-m-cresol	NS	NS	mg/kg	ND	
Pentachlorophenol	0.8	6.7	mg/kg	ND	
Phenanthrene	100	100	mg/kg	0.48	
Phenol	0.33	100	mg/kg	ND	
Pyrene	100	100	mg/kg	0.78	

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4c. Metals in Soil  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-1 (0-2)	SB-1 (3-5)	SB-2 (0-2)	SB-2 (3-5)	SB-3 (0-2)	SB-3 (4-6)	SB-3 (4-6)_DUP
SAMPLING DATE				3/10/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-01	L2111885-02	L2111885-03	L2111885-04	L2111885-05	L2111885-06	L2111885-07
				Qual	Qual	Qual	Qual	Qual	Qual	Qual
<b>Total Metals</b>										
Aluminum, Total	NS	NS	mg/kg	8070	6570	4450	4810	6110	4430	3470
Antimony, Total	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND
Arsenic, Total	13	16	mg/kg	5.79	5.25	5.38	2.54	5.44	2.83	7.13
Barium, Total	350	400	mg/kg	102	54.9	54.7	18.8	77	29.4	<b>894</b>
Beryllium, Total	7.2	72	mg/kg	0.293 J	0.305 J	0.164 J	0.099 J	0.228 J	0.26 J	0.082 J
Cadmium, Total	2.5	4.3	mg/kg	0.528 J	0.478 J	0.41 J	0.261 J	0.738 J	0.356 J	<b>3.25</b>
Calcium, Total	NS	NS	mg/kg	4320	1610	13200	773	2540	2220	35400
Chromium, Total	NS	NS	mg/kg	41.7	35.1	17.7	18.6	28	26.9	29.4
Cobalt, Total	NS	NS	mg/kg	21.9	22.3	9.63	9.16	14.4	18.5	10.6
Copper, Total	50	270	mg/kg	31.5	20.3	19.8	8.47	42.6	12.4	34.5
Iron, Total	NS	NS	mg/kg	18700	20100	11200	10800	18100	13700	14300
Lead, Total	63	400	mg/kg	<b>140</b>	<b>76.3</b>	<b>105</b>	18.5	<b>269</b>	25.4	<b>4060</b>
Magnesium, Total	NS	NS	mg/kg	4680	11500	7320	2230	8190	9990	14200
Manganese, Total	1600	2000	mg/kg	378	364	159	93.5	278	185	267
Mercury, Total	0.18	0.81	mg/kg	<b>1.9</b>	0.05 J	<b>0.334</b>	ND	<b>0.279</b>	0.06 J	<b>0.87</b>
Nickel, Total	30	310	mg/kg	<b>228</b>	<b>388</b>	<b>116</b>	<b>84.5</b>	<b>183</b>	<b>239</b>	<b>180</b>
Potassium, Total	NS	NS	mg/kg	664	840	545	440	1040	948	1290
Selenium, Total	3.9	180	mg/kg	0.889 J	0.503 J	0.345 J	0.315 J	0.755 J	0.395 J	2.73
Silver, Total	2	180	mg/kg	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	NS	NS	mg/kg	138 J	58.1 J	86.7 J	31.8 J	59.3 J	113 J	174 J
Thallium, Total	NS	NS	mg/kg	0.444 J	0.305 J	ND	ND	0.29 J	ND	ND
Vanadium, Total	NS	NS	mg/kg	20.8	20.8	15.7	14.8	31.9	12.2	20.5
Zinc, Total	109	10000	mg/kg	103	52.3	77.4	28.1	<b>161</b>	49.4	<b>1320</b>

Notes:

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4c. Metals in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-4 (0-2)	SB-4 (4-6)	SB-5 (0-2)	SB-5 (4-6)	SB-6 (0-2)	SB-6 (4-6)	SB-6 (7-9)
SAMPLING DATE				3/10/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-08	L2111885-09	L2111885-10	L2111885-11	L2111885-12	L2111885-13	L2111885-14
				Qual	Qual	Qual	Qual	Qual	Qual	Qual
<b>Total Metals</b>										
Aluminum, Total	NS	NS	mg/kg	807	2220	4390	3800	6420	5170	4950
Antimony, Total	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND
Arsenic, Total	13	16	mg/kg	2.19	3.13	5.16	4.23	3.09	2.67	4.8
Barium, Total	350	400	mg/kg	4.14	80.9	27.8	24	59.4	33	39.4
Beryllium, Total	7.2	72	mg/kg	ND	0.052 J	0.199 J	0.204 J	0.179 J	0.27 J	0.271 J
Cadmium, Total	2.5	4.3	mg/kg	0.089 J	0.603 J	0.39 J	0.368 J	0.474 J	0.243 J	0.332 J
Calcium, Total	NS	NS	mg/kg	19200	34600	1520	1300	2250	1160	1970
Chromium, Total	NS	NS	mg/kg	3.27	13.3	26	29.1	16.3	22	27.1
Cobalt, Total	NS	NS	mg/kg	0.825 J	3.89	15.6	17.4	7.13	5.65	20.3
Copper, Total	50	270	mg/kg	3.82	<b>2040</b>	17.4	21.2	<b>70.6</b>	3.04	11
Iron, Total	NS	NS	mg/kg	3030	6510	15700	14700	14500	11100	13500
Lead, Total	63	400	mg/kg	3.6 J	<b>237</b>	7.28	7.77	50.4	6.24	7.69
Magnesium, Total	NS	NS	mg/kg	11500	16300	13100	21900	2980	1190	3480
Manganese, Total	1600	2000	mg/kg	58.9	117	357	323	303	129	90.6
Mercury, Total	0.18	0.81	mg/kg	ND	ND	ND	ND	<b>1.01</b>	ND	ND
Nickel, Total	30	310	mg/kg	2.27	<b>38.3</b>	<b>341</b>	<b>390</b>	15	<b>44.8</b>	<b>207</b>
Potassium, Total	NS	NS	mg/kg	102 J	307	1080	953	1060	269	952
Selenium, Total	3.9	180	mg/kg	0.509 J	0.336 J	0.358 J	0.638 J	0.564 J	0.424 J	ND
Silver, Total	2	180	mg/kg	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	NS	NS	mg/kg	8.54 J	96.5 J	64.4 J	68.1 J	98.9 J	38.9 J	56.1 J
Thallium, Total	NS	NS	mg/kg	ND	ND	0.35 J	0.368 J	0.394 J	ND	ND
Vanadium, Total	NS	NS	mg/kg	3.85	11.6	17.5	14.5	24.5	12.6	13.3
Zinc, Total	109	10000	mg/kg	6.44	<b>528</b>	39.4	31.4	60.4	14	40.2

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4c. Metals in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-7 (0-2)	SB-7 (4-6)
SAMPLING DATE				3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-15	L2111885-16
				Qual	Qual
<b>Total Metals</b>					
Aluminum, Total	NS	NS	mg/kg	926	5660
Antimony, Total	NS	NS	mg/kg	ND	ND
Arsenic, Total	13	16	mg/kg	1.33	6.61
Barium, Total	350	400	mg/kg	3.44	63.6
Beryllium, Total	7.2	72	mg/kg	0.07 J	0.242 J
Cadmium, Total	2.5	4.3	mg/kg	0.085 J	0.403 J
Calcium, Total	NS	NS	mg/kg	55	11500
Chromium, Total	NS	NS	mg/kg	3.6	18.4
Cobalt, Total	NS	NS	mg/kg	0.843 J	10.3
Copper, Total	50	270	mg/kg	1.34	22.5
Iron, Total	NS	NS	mg/kg	3800	15000
Lead, Total	63	400	mg/kg	1.41 J	46.3
Magnesium, Total	NS	NS	mg/kg	65.5	10200
Manganese, Total	1600	2000	mg/kg	47.6	290
Mercury, Total	0.18	0.81	mg/kg	ND	<b>0.249</b>
Nickel, Total	30	310	mg/kg	0.719 J	<b>133</b>
Potassium, Total	NS	NS	mg/kg	58 J	532
Selenium, Total	3.9	180	mg/kg	0.224 J	0.726 J
Silver, Total	2	180	mg/kg	ND	ND
Sodium, Total	NS	NS	mg/kg	ND	85 J
Thallium, Total	NS	NS	mg/kg	ND	0.314 J
Vanadium, Total	NS	NS	mg/kg	4.19	17.1
Zinc, Total	109	10000	mg/kg	2.84 J	42.1

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4d. Pesticides and Polychlorinated Biphenyls in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-1 (0-2)	SB-1 (3-5)	SB-2 (0-2)	SB-2 (3-5)	SB-3 (0-2)	SB-3 (4-6)	SB-3 (4-6)_DUP	SB-4 (0-2)	SB-4 (4-6)	SB-5 (0-2)			
				3/10/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021			
				L2111885-01	L2111885-02	L2111885-03	L2111885-04	L2111885-05	L2111885-06	L2111885-07	L2111885-08	L2111885-09	L2111885-10			
				Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual				
<b>Polychlorinated Biphenyls by GC</b>																
Aroclor 1016	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Aroclor 1221	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Aroclor 1232	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Aroclor 1242	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Aroclor 1248	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Aroclor 1254	0.1	1	mg/kg	0.0822	ND	ND	ND	0.284	0.0388	J	ND	0.29	0.0194	J	ND	
Aroclor 1260	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	0.0113	J	ND		
Aroclor 1262	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Aroclor 1268	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND	ND	0.0295	J	ND	ND		
PCBs, Total	0.1	1	mg/kg	0.0822	ND	ND	ND	0.284	0.0388	J	ND	0.32	J	0.0307	J	ND
<b>Organochlorine Pesticides by GC</b>																
4,4'-DDD	0.0033	13	mg/kg	ND	ND	0.00134	J	ND	ND	0.00302	ND	ND	ND	ND		
4,4'-DDE	0.0033	8.9	mg/kg	ND	ND	0.00202	ND	ND	0.00355	ND	ND	ND	ND			
4,4'-DDT	0.0033	7.9	mg/kg	ND	ND	0.0188	ND	ND	0.0131	ND	ND	ND	ND			
Aldrin	0.005	0.097	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Alpha-BHC	0.02	0.48	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Beta-BHC	0.036	0.36	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Chlordane	NS	NS	mg/kg	ND	ND	ND	ND	ND	0.0723	ND	ND	ND	ND			
cis-Chlordane	0.094	4.2	mg/kg	ND	ND	ND	ND	ND	0.0133	0.00117	J	ND	ND	ND		
Delta-BHC	0.04	100	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Dieldrin	0.005	0.2	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Endosulfan I	2.4	24	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Endosulfan II	2.4	24	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Endosulfan sulfate	2.4	24	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Endrin	0.014	11	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Endrin aldehyde	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Endrin ketone	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Heptachlor	0.042	2.1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Heptachlor epoxide	NS	NS	mg/kg	ND	ND	ND	ND	ND	0.00159	J	ND	ND	ND			
Lindane	0.1	1.3	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Methoxychlor	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Toxaphene	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
trans-Chlordane	NS	NS	mg/kg	ND	ND	ND	ND	ND	0.00735	0.000776	J	ND	ND	ND		

Notes:

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4d. Pesticides and Polychlorinated Biphenyls in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-5 (4-6)	SB-6 (0-2)	SB-6 (4-6)	SB-6 (7-9)	SB-7 (0-2)	SB-7 (4-6)
SAMPLING DATE				3/10/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021
LAB SAMPLE ID				L2111885-11	L2111885-12	L2111885-13	L2111885-14	L2111885-15	L2111885-16
				Qual	Qual	Qual	Qual	Qual	Qual
<b>Polychlorinated Biphenyls by GC</b>									
Aroclor 1016	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.1	1	mg/kg	<b>0.863</b>	<b>0.139</b>	ND	ND	ND	<b>0.89</b>
Aroclor 1260	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND
Aroclor 1262	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND
Aroclor 1268	0.1	1	mg/kg	ND	ND	ND	ND	ND	ND
PCBs, Total	0.1	1	mg/kg	<b>0.863</b>	<b>0.139</b>	ND	ND	ND	<b>0.89</b>
<b>Organochlorine Pesticides by GC</b>									
4,4'-DDD	0.0033	13	mg/kg	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	8.9	mg/kg	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	7.9	mg/kg	ND	ND	ND	ND	ND	ND
Aldrin	0.005	0.097	mg/kg	ND	ND	ND	ND	ND	ND
Alpha-BHC	0.02	0.48	mg/kg	ND	ND	ND	ND	ND	ND
Beta-BHC	0.036	0.36	mg/kg	ND	ND	ND	ND	ND	ND
Chlordane	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND
cis-Chlordane	0.094	4.2	mg/kg	ND	ND	ND	ND	ND	0.0268
Delta-BHC	0.04	100	mg/kg	ND	ND	ND	ND	ND	ND
Dieldrin	0.005	0.2	mg/kg	ND	ND	ND	ND	ND	ND
Endosulfan I	2.4	24	mg/kg	ND	ND	ND	ND	ND	ND
Endosulfan II	2.4	24	mg/kg	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	2.4	24	mg/kg	ND	ND	ND	ND	ND	ND
Endrin	0.014	11	mg/kg	ND	ND	ND	ND	ND	ND
Endrin aldehyde	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND
Endrin ketone	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND
Heptachlor	0.042	2.1	mg/kg	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND
Lindane	0.1	1.3	mg/kg	ND	ND	ND	ND	ND	ND
Methoxychlor	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND
Toxaphene	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND
trans-Chlordane	NS	NS	mg/kg	ND	ND	ND	ND	ND	0.0236

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives

J = Estimated value

ND = Not detected

NS = No standard

Table 4e. Emerging Contaminants in Soil  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESRR	Units	SB-6 (0-2)
SAMPLING DATE				3/10/2021
LAB SAMPLE ID				L2111885-12
				Qual
<b>1,4-Dioxane</b>				
1,4-Dioxane	0.1	13	mg/kg	ND
<b>Perfluorinated Alkyl Acids, Total</b>				
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NS	NS	ng/g	ND
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NS	NS	ng/g	ND
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NS	NS	ng/g	ND
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NS	NS	ng/g	ND
Perfluorobutanesulfonic Acid (PFBS)	NS	NS	ng/g	ND
Perfluorobutanoic Acid (PFBA)	NS	NS	ng/g	0.006 J
Perfluorodecanesulfonic Acid (PFDS)	NS	NS	ng/g	ND
Perfluorodecanoic Acid (PFDA)	NS	NS	ng/g	0.0088 J
Perfluorododecanoic Acid (PFDoA)	NS	NS	ng/g	ND
Perfluoroheptanesulfonic Acid (PFHpS)	NS	NS	ng/g	ND
Perfluoroheptanoic Acid (PFHpA)	NS	NS	ng/g	ND
Perfluorohexanesulfonic Acid (PFHxS)	NS	NS	ng/g	ND
Perfluorohexanoic Acid (PFHxA)	NS	NS	ng/g	ND
Perfluorononanoic Acid (PFNA)	NS	NS	ng/g	ND
Perfluorooctanesulfonamide (FOSA)	NS	NS	ng/g	ND
Perfluorooctanesulfonic Acid (PFOS)	0.88	44	ng/g	0.366
Perfluorooctanoic Acid (PFOA)	0.66	33	ng/g	0.208 J
Perfluoropentanoic Acid (PFPeA)	NS	NS	ng/g	0.0056 J
Perfluorotetradecanoic Acid (PFTA)	NS	NS	ng/g	ND
Perfluorotridecanoic Acid (PFTrDA)	NS	NS	ng/g	ND
Perfluoroundecanoic Acid (PFUnA)	NS	NS	ng/g	ND
Perfluorinated Alkyl Acids, Total	NS	NS	ng/g	0.5944

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-UNRES SCOs**

**Bold and shaded orange value indicates concentration exceeds NY-RESRR SCOs**

NY-UNRES = 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESRR = 6 NYCRR Part 375 Restricted-Residential Use Soil Cleanup Objectives

The NY-UNRES and NY-RESRR SCOs for all PFAS analytes are proposed SCOs per NYSDEC's Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, updated October 2020

J = Estimated value

ND = Not detected

NS = No standard

Table 5a. Volatile Organic Compounds in Groundwater  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1	MW-2	MW-3	MW-3_DUP
SAMPLING DATE			3/11/2021	3/11/2021	3/11/2021	3/11/2021
LAB SAMPLE ID			L2112286-01	L2112286-02	L2112286-03	L2112286-04
			Qual	Qual	Qual	Qual
<b>Volatile Organic Compounds</b>						
1,1,1,2-Tetrachloroethane	5	ug/l	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ug/l	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ug/l	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ug/l	ND	ND	ND	ND
1,1-Dichloroethane	5	ug/l	ND	ND	ND	ND
1,1-Dichloroethene	5	ug/l	ND	ND	ND	ND
1,1-Dichloropropene	5	ug/l	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ug/l	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	ug/l	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	5	ug/l	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ug/l	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ug/l	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND	ND	ND	ND
1,2-Dibromoethane	0.0006	ug/l	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ug/l	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ug/l	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	ug/l	ND	ND	ND	ND
1,2-Dichloropropane	1	ug/l	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ug/l	ND	ND	ND	ND
1,3-Dichloropropane	5	ug/l	ND	ND	ND	ND
1,3-Dichloropropene, Total	NS	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ug/l	ND	ND	ND	ND
1,4-Dioxane	NS	ug/l	ND	ND	ND	ND
2,2-Dichloropropane	5	ug/l	ND	ND	ND	ND
2-Butanone	50	ug/l	ND	ND	ND	ND
2-Hexanone	50	ug/l	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	ug/l	ND	ND	ND	ND
Acetone	50	ug/l	ND	ND	ND	ND
Acrylonitrile	5	ug/l	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND
Bromobenzene	5	ug/l	ND	ND	ND	ND
Bromochloromethane	5	ug/l	ND	ND	ND	ND
Bromodichloromethane	50	ug/l	ND	ND	ND	ND
Bromoform	50	ug/l	ND	ND	ND	ND
Bromomethane	5	ug/l	ND	ND	ND	ND
Carbon disulfide	60	ug/l	ND	ND	ND	ND
Carbon tetrachloride	5	ug/l	ND	ND	ND	ND
Chlorobenzene	5	ug/l	ND	ND	ND	ND
Chloroethane	5	ug/l	ND	ND	ND	ND
Chloroform	7	ug/l	ND	1.7 J	0.91 J	0.85 J
Chloromethane	NS	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ug/l	ND	ND	ND	ND



Table 5a. Volatile Organic Compounds in Groundwater  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1	MW-2	MW-3	MW-3_DUP
SAMPLING DATE			3/11/2021	3/11/2021	3/11/2021	3/11/2021
LAB SAMPLE ID			L2112286-01	L2112286-02	L2112286-03	L2112286-04
			Qual	Qual	Qual	Qual
cis-1,3-Dichloropropene	0.4	ug/l	ND	ND	ND	ND
Dibromochloromethane	50	ug/l	ND	ND	ND	ND
Dibromomethane	5	ug/l	ND	ND	ND	ND
Dichlorodifluoromethane	5	ug/l	ND	ND	ND	ND
Ethyl ether	NS	ug/l	ND	ND	ND	ND
Ethylbenzene	5	ug/l	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ug/l	ND	ND	ND	ND
Isopropylbenzene	5	ug/l	ND	ND	ND	ND
Methyl tert butyl ether	10	ug/l	ND	ND	ND	ND
Methylene chloride	5	ug/l	ND	ND	ND	ND
n-Butylbenzene	5	ug/l	ND	ND	ND	ND
n-Propylbenzene	5	ug/l	ND	ND	ND	ND
Naphthalene	10	ug/l	ND	ND	ND	ND
o-Chlorotoluene	5	ug/l	ND	ND	ND	ND
o-Xylene	5	ug/l	ND	ND	ND	ND
p-Chlorotoluene	5	ug/l	ND	ND	ND	ND
p-Diethylbenzene	NS	ug/l	ND	ND	ND	ND
p-Ethyltoluene	NS	ug/l	ND	ND	ND	ND
p-Isopropyltoluene	5	ug/l	ND	ND	ND	ND
p/m-Xylene	5	ug/l	ND	ND	ND	ND
sec-Butylbenzene	5	ug/l	ND	ND	ND	ND
Styrene	5	ug/l	ND	ND	ND	ND
tert-Butylbenzene	5	ug/l	ND	ND	ND	ND
Tetrachloroethene	5	ug/l	ND	ND	ND	ND
Toluene	5	ug/l	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ug/l	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ug/l	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	5	ug/l	ND	ND	ND	ND
Trichloroethene	5	ug/l	ND	ND	ND	ND
Trichlorofluoromethane	5	ug/l	ND	ND	ND	ND
Vinyl acetate	NS	ug/l	ND	ND	ND	ND
Vinyl chloride	2	ug/l	ND	ND	ND	ND
Xylenes, Total	NS	ug/l	ND	ND	ND	ND

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-AWQS**

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

Table 5a. Volatile Organic Compounds in Groundwater  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-AWQS	Units	MW-4	FIELD BLANK	TRIP BLANK
SAMPLING DATE			3/11/2021	3/11/2021	3/11/2021
LAB SAMPLE ID			L2112286-05	L2112286-06	L2112286-07
			Qual	Qual	Qual
<b>Volatile Organic Compounds</b>					
1,1,1,2-Tetrachloroethane	5	ug/l	ND	ND	ND
1,1,1-Trichloroethane	5	ug/l	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ug/l	ND	ND	ND
1,1,2-Trichloroethane	1	ug/l	ND	ND	ND
1,1-Dichloroethane	5	ug/l	ND	ND	ND
1,1-Dichloroethene	5	ug/l	ND	ND	ND
1,1-Dichloropropene	5	ug/l	ND	ND	ND
1,2,3-Trichlorobenzene	5	ug/l	ND	ND	ND
1,2,3-Trichloropropane	0.04	ug/l	ND	ND	ND
1,2,4,5-Tetramethylbenzene	5	ug/l	ND	ND	ND
1,2,4-Trichlorobenzene	5	ug/l	ND	ND	ND
1,2,4-Trimethylbenzene	5	ug/l	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND	ND	ND
1,2-Dibromoethane	0.0006	ug/l	ND	ND	ND
1,2-Dichlorobenzene	3	ug/l	ND	ND	ND
1,2-Dichloroethane	0.6	ug/l	ND	ND	ND
1,2-Dichloroethene, Total	NS	ug/l	ND	ND	ND
1,2-Dichloropropane	1	ug/l	ND	ND	ND
1,3,5-Trimethylbenzene	5	ug/l	ND	ND	ND
1,3-Dichlorobenzene	3	ug/l	ND	ND	ND
1,3-Dichloropropane	5	ug/l	ND	ND	ND
1,3-Dichloropropene, Total	NS	ug/l	ND	ND	ND
1,4-Dichlorobenzene	3	ug/l	ND	ND	ND
1,4-Dioxane	NS	ug/l	ND	ND	ND
2,2-Dichloropropane	5	ug/l	ND	ND	ND
2-Butanone	50	ug/l	ND	ND	ND
2-Hexanone	50	ug/l	ND	ND	ND
4-Methyl-2-pentanone	NS	ug/l	ND	ND	ND
Acetone	50	ug/l	4.4 J	ND	ND
Acrylonitrile	5	ug/l	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND
Bromobenzene	5	ug/l	ND	ND	ND
Bromochloromethane	5	ug/l	ND	ND	ND
Bromodichloromethane	50	ug/l	ND	ND	ND
Bromoform	50	ug/l	ND	ND	ND
Bromomethane	5	ug/l	ND	ND	ND
Carbon disulfide	60	ug/l	ND	ND	ND
Carbon tetrachloride	5	ug/l	ND	ND	ND
Chlorobenzene	5	ug/l	ND	ND	ND
Chloroethane	5	ug/l	ND	ND	ND
Chloroform	7	ug/l	ND	ND	ND
Chloromethane	NS	ug/l	ND	ND	ND
cis-1,2-Dichloroethene	5	ug/l	ND	ND	ND

Table 5a. Volatile Organic Compounds in Groundwater  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-AWQS	Units	MW-4	FIELD BLANK	TRIP BLANK
SAMPLING DATE			3/11/2021	3/11/2021	3/11/2021
LAB SAMPLE ID			L2112286-05	L2112286-06	L2112286-07
			Qual	Qual	Qual
cis-1,3-Dichloropropene	0.4	ug/l	ND	ND	ND
Dibromochloromethane	50	ug/l	ND	ND	ND
Dibromomethane	5	ug/l	ND	ND	ND
Dichlorodifluoromethane	5	ug/l	ND	ND	ND
Ethyl ether	NS	ug/l	ND	ND	ND
Ethylbenzene	5	ug/l	ND	ND	ND
Hexachlorobutadiene	0.5	ug/l	ND	ND	ND
Isopropylbenzene	5	ug/l	ND	ND	ND
Methyl tert butyl ether	10	ug/l	ND	ND	ND
Methylene chloride	5	ug/l	ND	ND	ND
n-Butylbenzene	5	ug/l	ND	ND	ND
n-Propylbenzene	5	ug/l	ND	ND	ND
Naphthalene	10	ug/l	ND	ND	ND
o-Chlorotoluene	5	ug/l	ND	ND	ND
o-Xylene	5	ug/l	ND	ND	ND
p-Chlorotoluene	5	ug/l	ND	ND	ND
p-Diethylbenzene	NS	ug/l	ND	ND	ND
p-Ethyltoluene	NS	ug/l	ND	ND	ND
p-Isopropyltoluene	5	ug/l	ND	ND	ND
p/m-Xylene	5	ug/l	ND	ND	ND
sec-Butylbenzene	5	ug/l	ND	ND	ND
Styrene	5	ug/l	ND	ND	ND
tert-Butylbenzene	5	ug/l	ND	ND	ND
Tetrachloroethene	5	ug/l	ND	ND	ND
Toluene	5	ug/l	ND	ND	ND
trans-1,2-Dichloroethene	5	ug/l	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ug/l	ND	ND	ND
trans-1,4-Dichloro-2-butene	5	ug/l	ND	ND	ND
Trichloroethene	5	ug/l	ND	ND	ND
Trichlorofluoromethane	5	ug/l	ND	ND	ND
Vinyl acetate	NS	ug/l	ND	ND	ND
Vinyl chloride	2	ug/l	ND	ND	ND
Xylenes, Total	NS	ug/l	ND	ND	ND

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-AWQS**

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

Table 5b. Semivolatile Organic Compounds in Groundwater  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1	MW-2	MW-3
SAMPLING DATE			3/11/2021	3/11/2021	3/11/2021
LAB SAMPLE ID			L2112286-01	L2112286-02	L2112286-03
			Qual	Qual	Qual
<b>Semivolatile Organic Compounds</b>					
1,2,4,5-Tetrachlorobenzene	5	ug/l	ND	ND	ND
1,2,4-Trichlorobenzene	5	ug/l	ND	ND	ND
1,2-Dichlorobenzene	3	ug/l	ND	ND	ND
1,3-Dichlorobenzene	3	ug/l	ND	ND	ND
1,4-Dichlorobenzene	3	ug/l	ND	ND	ND
2,4,5-Trichlorophenol	NS	ug/l	ND	ND	ND
2,4,6-Trichlorophenol	NS	ug/l	ND	ND	ND
2,4-Dichlorophenol	1	ug/l	ND	ND	ND
2,4-Dimethylphenol	50	ug/l	ND	ND	ND
2,4-Dinitrophenol	10	ug/l	ND	ND	ND
2,4-Dinitrotoluene	5	ug/l	ND	ND	ND
2,6-Dinitrotoluene	5	ug/l	ND	ND	ND
2-Chlorophenol	NS	ug/l	ND	ND	ND
2-Methylphenol	NS	ug/l	ND	ND	ND
2-Nitroaniline	5	ug/l	ND	ND	ND
2-Nitrophenol	NS	ug/l	ND	ND	ND
3,3'-Dichlorobenzidine	5	ug/l	ND	ND	ND
3-Methylphenol/4-Methylphenol	NS	ug/l	ND	ND	ND
3-Nitroaniline	5	ug/l	ND	ND	ND
4,6-Dinitro-o-cresol	NS	ug/l	ND	ND	ND
4-Bromophenyl phenyl ether	NS	ug/l	ND	ND	ND
4-Chloroaniline	5	ug/l	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	ug/l	ND	ND	ND
4-Nitroaniline	5	ug/l	ND	ND	ND
4-Nitrophenol	NS	ug/l	ND	ND	ND
Acetophenone	NS	ug/l	ND	ND	ND
Benzoic Acid	NS	ug/l	ND	ND	ND
Benzyl Alcohol	NS	ug/l	ND	ND	ND
Biphenyl	NS	ug/l	ND	ND	ND
Bis(2-chloroethoxy)methane	5	ug/l	ND	ND	ND
Bis(2-chloroethyl)ether	1	ug/l	ND	ND	ND
Bis(2-chloroisopropyl)ether	5	ug/l	ND	ND	ND
Bis(2-ethylhexyl)phthalate	5	ug/l	ND	ND	ND
Butyl benzyl phthalate	50	ug/l	ND	ND	ND
Carbazole	NS	ug/l	ND	ND	ND
Di-n-butylphthalate	50	ug/l	ND	ND	ND
Di-n-octylphthalate	50	ug/l	ND	ND	ND
Dibenzofuran	NS	ug/l	ND	ND	ND
Diethyl phthalate	50	ug/l	ND	ND	ND
Dimethyl phthalate	50	ug/l	ND	ND	ND
Hexachlorocyclopentadiene	5	ug/l	ND	ND	ND
Isophorone	50	ug/l	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	ug/l	ND	ND	ND

Table 5b. Semivolatile Organic Compounds in Groundwater  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1	MW-2	MW-3
SAMPLING DATE			3/11/2021	3/11/2021	3/11/2021
LAB SAMPLE ID			L2112286-01	L2112286-02	L2112286-03
			Qual	Qual	Qual
NDPA/DPA	50	ug/l	ND	ND	ND
Nitrobenzene	0.4	ug/l	ND	ND	ND
p-Chloro-m-cresol	NS	ug/l	ND	ND	ND
Phenol	1	ug/l	ND	ND	ND
2-Chloronaphthalene	10	ug/l	ND	ND	ND
2-Methylnaphthalene	NS	ug/l	ND	ND	ND
Acenaphthene	20	ug/l	ND	ND	ND
Acenaphthylene	NS	ug/l	ND	ND	0.03 J
Anthracene	50	ug/l	ND	ND	0.04 J
Benzo(a)anthracene	0.002	ug/l	ND	ND	<b>0.17</b>
Benzo(a)pyrene	NS	ug/l	ND	ND	0.17
Benzo(b)fluoranthene	0.002	ug/l	ND	ND	<b>0.2</b>
Benzo(ghi)perylene	NS	ug/l	ND	ND	0.11
Benzo(k)fluoranthene	0.002	ug/l	ND	ND	<b>0.09 J</b>
Chrysene	0.002	ug/l	ND	ND	<b>0.15</b>
Dibenzo(a,h)anthracene	NS	ug/l	ND	ND	0.03 J
Fluoranthene	50	ug/l	ND	ND	0.35
Fluorene	50	ug/l	ND	ND	ND
Hexachlorobenzene	0.04	ug/l	ND	ND	ND
Hexachlorobutadiene	0.5	ug/l	ND	ND	ND
Hexachloroethane	5	ug/l	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ug/l	ND	ND	<b>0.14</b>
Naphthalene	10	ug/l	ND	ND	ND
Pentachlorophenol	1	ug/l	ND	ND	ND
Phenanthrene	50	ug/l	ND	ND	0.07 J
Pyrene	50	ug/l	ND	ND	0.31

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-AWQS**

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

Table 5b. Semivolatile Organic Compounds in Groundwater  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-AWQS	Units	MW-3_DUP	MW-4	FIELD BLANK
SAMPLING DATE			3/11/2021	3/11/2021	3/11/2021
LAB SAMPLE ID			L2112286-04	L2112286-05	L2112286-06
			Qual	Qual	Qual
<b>Semivolatile Organic Compounds</b>					
1,2,4,5-Tetrachlorobenzene	5	ug/l	ND	ND	ND
1,2,4-Trichlorobenzene	5	ug/l	ND	ND	ND
1,2-Dichlorobenzene	3	ug/l	ND	ND	ND
1,3-Dichlorobenzene	3	ug/l	ND	ND	ND
1,4-Dichlorobenzene	3	ug/l	ND	ND	ND
2,4,5-Trichlorophenol	NS	ug/l	ND	ND	ND
2,4,6-Trichlorophenol	NS	ug/l	ND	ND	ND
2,4-Dichlorophenol	1	ug/l	ND	ND	ND
2,4-Dimethylphenol	50	ug/l	ND	ND	ND
2,4-Dinitrophenol	10	ug/l	ND	ND	ND
2,4-Dinitrotoluene	5	ug/l	ND	ND	ND
2,6-Dinitrotoluene	5	ug/l	ND	ND	ND
2-Chlorophenol	NS	ug/l	ND	ND	ND
2-Methylphenol	NS	ug/l	ND	ND	ND
2-Nitroaniline	5	ug/l	ND	ND	ND
2-Nitrophenol	NS	ug/l	ND	ND	ND
3,3'-Dichlorobenzidine	5	ug/l	ND	ND	ND
3-Methylphenol/4-Methylphenol	NS	ug/l	ND	ND	ND
3-Nitroaniline	5	ug/l	ND	ND	ND
4,6-Dinitro-o-cresol	NS	ug/l	ND	ND	ND
4-Bromophenyl phenyl ether	NS	ug/l	ND	ND	ND
4-Chloroaniline	5	ug/l	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	ug/l	ND	ND	ND
4-Nitroaniline	5	ug/l	ND	ND	ND
4-Nitrophenol	NS	ug/l	ND	ND	ND
Acetophenone	NS	ug/l	ND	ND	ND
Benzoic Acid	NS	ug/l	ND	ND	ND
Benzyl Alcohol	NS	ug/l	ND	ND	ND
Biphenyl	NS	ug/l	ND	ND	ND
Bis(2-chloroethoxy)methane	5	ug/l	ND	ND	ND
Bis(2-chloroethyl)ether	1	ug/l	ND	ND	ND
Bis(2-chloroisopropyl)ether	5	ug/l	ND	ND	ND
Bis(2-ethylhexyl)phthalate	5	ug/l	ND	ND	ND
Butyl benzyl phthalate	50	ug/l	ND	ND	ND
Carbazole	NS	ug/l	ND	ND	ND
Di-n-butylphthalate	50	ug/l	ND	ND	ND
Di-n-octylphthalate	50	ug/l	ND	ND	ND
Dibenzofuran	NS	ug/l	ND	ND	ND
Diethyl phthalate	50	ug/l	ND	0.41 J	ND
Dimethyl phthalate	50	ug/l	ND	ND	ND
Hexachlorocyclopentadiene	5	ug/l	ND	ND	ND
Isophorone	50	ug/l	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	ug/l	ND	ND	ND

Table 5b. Semivolatile Organic Compounds in Groundwater  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-AWQS	Units	MW-3_DUP	MW-4	FIELD BLANK
SAMPLING DATE			3/11/2021	3/11/2021	3/11/2021
LAB SAMPLE ID			L2112286-04	L2112286-05	L2112286-06
			Qual	Qual	Qual
NDPA/DPA	50	ug/l	ND	ND	ND
Nitrobenzene	0.4	ug/l	ND	ND	ND
p-Chloro-m-cresol	NS	ug/l	ND	ND	ND
Phenol	1	ug/l	ND	ND	ND
2-Chloronaphthalene	10	ug/l	ND	ND	ND
2-Methylnaphthalene	NS	ug/l	ND	ND	ND
Acenaphthene	20	ug/l	ND	ND	ND
Acenaphthylene	NS	ug/l	0.02 J	0.02 J	ND
Anthracene	50	ug/l	0.02 J	0.04 J	ND
Benzo(a)anthracene	0.002	ug/l	<b>0.1</b>	<b>0.06 J</b>	ND
Benzo(a)pyrene	NS	ug/l	0.09 J	0.06 J	ND
Benzo(b)fluoranthene	0.002	ug/l	<b>0.12</b>	<b>0.09 J</b>	ND
Benzo(ghi)perylene	NS	ug/l	0.07 J	0.05 J	ND
Benzo(k)fluoranthene	0.002	ug/l	<b>0.06 J</b>	<b>0.03 J</b>	ND
Chrysene	0.002	ug/l	<b>0.1 J</b>	<b>0.06 J</b>	ND
Dibenzo(a,h)anthracene	NS	ug/l	0.02 J	0.01 J	ND
Fluoranthene	50	ug/l	0.21	0.15	ND
Fluorene	50	ug/l	ND	ND	ND
Hexachlorobenzene	0.04	ug/l	ND	ND	ND
Hexachlorobutadiene	0.5	ug/l	ND	ND	ND
Hexachloroethane	5	ug/l	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ug/l	<b>0.08 J</b>	<b>0.06 J</b>	ND
Naphthalene	10	ug/l	ND	ND	ND
Pentachlorophenol	1	ug/l	ND	ND	ND
Phenanthrene	50	ug/l	0.04 J	0.05 J	ND
Pyrene	50	ug/l	0.19	0.13	ND

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-AWQS**

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

Table 5c. Total and Dissolved Metals in Groundwater  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1	MW-2	MW-3	MW-3_DUP	MW-4	FIELD BLANK
SAMPLING DATE			3/11/2021	3/11/2021	3/11/2021	3/11/2021	3/11/2021	3/11/2021
LAB SAMPLE ID			L2112286-01	L2112286-02	L2112286-03	L2112286-04	L2112286-05	L2112286-06
			Qual	Qual	Qual	Qual	Qual	Qual
<b>Total Metals</b>								
Aluminum, Total	NS	ug/l	323	287	128	159	14900	3.94 J
Antimony, Total	3	ug/l	ND	ND	0.92 J	0.92 J	0.47 J	ND
Arsenic, Total	25	ug/l	1.12	2.04	1.21	1.29	20.82	ND
Barium, Total	1000	ug/l	35.6	72.64	129.3	127.9	434	ND
Beryllium, Total	3	ug/l	ND	ND	ND	ND	1.47	ND
Cadmium, Total	5	ug/l	ND	ND	0.52	0.55	0.93	ND
Calcium, Total	NS	ug/l	79700	56100	87000	85100	288000	40 J
Chromium, Total	50	ug/l	3.16	3.94	1.62	1.54	<b>103</b>	ND
Cobalt, Total	NS	ug/l	1.06	0.87	0.47 J	0.55	80.45	ND
Copper, Total	200	ug/l	1.38	1.36	43.46	23.83	89.87	0.38 J
Iron, Total	300	ug/l	<b>780</b>	<b>603</b>	<b>407</b>	<b>477</b>	<b>68600</b>	ND
Lead, Total	25	ug/l	1.05	0.8 J	<b>121.4</b>	<b>115.5</b>	<b>752.5</b>	ND
Magnesium, Total	35000	ug/l	<b>39600</b>	<b>45900</b>	33800	33000	<b>88000</b>	ND
Manganese, Total	300	ug/l	44.65	37.95	13.73	15	<b>1656</b>	ND
Mercury, Total	0.7	ug/l	ND	ND	ND	ND	0.35	ND
Nickel, Total	100	ug/l	27.44	17.5	12.25	12.36	<b>1100</b>	ND
Potassium, Total	NS	ug/l	3990	8740	4950	4990	15300	ND
Selenium, Total	10	ug/l	ND	2.92 J	2.45 J	2.35 J	8.07	ND
Silver, Total	50	ug/l	ND	ND	ND	ND	0.17 J	ND
Sodium, Total	20000	ug/l	7250	<b>90800</b>	<b>93700</b>	<b>91800</b>	18600	222
Thallium, Total	0.5	ug/l	ND	ND	ND	ND	0.31 J	ND
Vanadium, Total	NS	ug/l	2.15 J	4.57 J	ND	ND	56.73	ND
Zinc, Total	2000	ug/l	ND	ND	294.4	290.6	436.8	ND
<b>Dissolved Metals</b>								
Aluminum, Dissolved	NS	ug/l	8.98 J	ND	8.26 J	9.48 J	ND	ND
Antimony, Dissolved	3	ug/l	ND	ND	1.31 J	1.14 J	ND	ND
Arsenic, Dissolved	25	ug/l	1.01	1.7	0.92	0.97	0.99	ND
Barium, Dissolved	1000	ug/l	31.42	74.64	115.8	114.3	107.9	ND
Beryllium, Dissolved	3	ug/l	ND	ND	ND	ND	ND	ND
Cadmium, Dissolved	5	ug/l	ND	ND	0.49	0.49	ND	ND
Calcium, Dissolved	NS	ug/l	76100	58700	88000	88700	257000	42.2 J



Table 5c. Total and Dissolved Metals in Groundwater  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1	MW-2	MW-3	MW-3_DUP	MW-4	FIELD BLANK
SAMPLING DATE			3/11/2021	3/11/2021	3/11/2021	3/11/2021	3/11/2021	3/11/2021
LAB SAMPLE ID			L2112286-01	L2112286-02	L2112286-03	L2112286-04	L2112286-05	L2112286-06
			Qual	Qual	Qual	Qual	Qual	Qual
Chromium, Dissolved	50	ug/l	1.79	3.01	0.58 J	0.64 J	0.43 J	0.2 J
Cobalt, Dissolved	NS	ug/l	ND	0.18 J	0.22 J	0.21 J	2.68	ND
Copper, Dissolved	200	ug/l	0.71 J	1.12	19.74	20.59	2.16	ND
Iron, Dissolved	300	ug/l	20.5 J	ND	71	50.1	ND	ND
Lead, Dissolved	25	ug/l	ND	ND	<b>34.01</b>	<b>33.77</b>	ND	ND
Magnesium, Dissolved	35000	ug/l	<b>38400</b>	<b>48700</b>	34100	34600	<b>41000</b>	ND
Manganese, Dissolved	300	ug/l	7.42	10.18	6.65	9.59	<b>924.5</b>	ND
Mercury, Dissolved	0.7	ug/l	ND	ND	ND	ND	ND	ND
Nickel, Dissolved	100	ug/l	17.8	8.53	9.49	9.45	14.27	ND
Potassium, Dissolved	NS	ug/l	3650	9120	5030	5160	12900	ND
Selenium, Dissolved	10	ug/l	1.79 J	2.84 J	2.39 J	2.37 J	ND	ND
Silver, Dissolved	50	ug/l	ND	ND	ND	ND	ND	ND
Sodium, Dissolved	20000	ug/l	6910	<b>96200</b>	<b>96400</b>	<b>97700</b>	18400	250
Thallium, Dissolved	0.5	ug/l	ND	ND	0.14 J	ND	ND	ND
Vanadium, Dissolved	NS	ug/l	ND	3.81 J	ND	ND	ND	ND
Zinc, Dissolved	2000	ug/l	8.58 J	ND	264.9	263.3	4.48 J	ND

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-AWQS**

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

Table 5d. Pesticides and Polychlorinated Biphenyls in Groundwater  
197 Canal Street, Staten Island, NY  
Remedial Investigation Report

CLIENT SAMPLE ID	NY-AWQS	Units	MW-1	MW-2	MW-3	MW-3_DUP	MW-4	FIELD BLANK
SAMPLING DATE			3/11/2021	3/11/2021	3/11/2021	3/11/2021	3/11/2021	3/11/2021
LAB SAMPLE ID			L2112286-01	L2112286-02	L2112286-03	L2112286-04	L2112286-05	L2112286-06
			Qual	Qual	Qual	Qual	Qual	Qual
<b>Polychlorinated Biphenyls</b>								
Aroclor 1016	0.09	ug/l	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.09	ug/l	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.09	ug/l	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.09	ug/l	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.09	ug/l	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.09	ug/l	ND	ND	ND	ND	<b>0.111</b>	ND
Aroclor 1260	0.09	ug/l	ND	ND	ND	ND	ND	ND
Aroclor 1262	0.09	ug/l	ND	ND	ND	ND	ND	ND
Aroclor 1268	0.09	ug/l	ND	ND	ND	ND	ND	ND
PCBs, Total	NS	ug/l	ND	ND	ND	ND	0.111	ND
<b>Organochlorine Pesticides</b>								
4,4'-DDD	0.3	ug/l	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.2	ug/l	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.2	ug/l	ND	ND	ND	ND	ND	ND
Aldrin	NS	ug/l	ND	ND	ND	ND	ND	ND
Alpha-BHC	0.01	ug/l	ND	ND	ND	ND	ND	ND
Beta-BHC	0.04	ug/l	ND	ND	ND	ND	ND	ND
Chlordane	0.05	ug/l	ND	ND	ND	ND	ND	ND
cis-Chlordane	NS	ug/l	ND	ND	0.019	0.02	ND	ND
Delta-BHC	0.04	ug/l	ND	ND	ND	ND	ND	ND
Dieldrin	0.004	ug/l	ND	ND	ND	ND	ND	ND
Endosulfan I	NS	ug/l	ND	ND	ND	ND	ND	ND
Endosulfan II	NS	ug/l	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	NS	ug/l	ND	ND	ND	ND	ND	ND
Endrin	NS	ug/l	ND	ND	ND	ND	ND	ND
Endrin aldehyde	5	ug/l	ND	ND	ND	ND	ND	ND
Endrin ketone	5	ug/l	ND	ND	ND	ND	ND	ND
Heptachlor	0.04	ug/l	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.03	ug/l	ND	ND	0.008 J	0.006 J	ND	ND
Lindane	0.05	ug/l	ND	ND	ND	ND	ND	ND
Methoxychlor	35	ug/l	ND	ND	ND	ND	ND	ND
Toxaphene	0.06	ug/l	ND	ND	ND	ND	ND	ND
trans-Chlordane	NS	ug/l	ND	ND	0.017	0.02	ND	ND

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-AWQS**

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

J = Estimated value

ND = Not detected

NS = No standard

Table 5e. Emerging Contaminants in Groundwater  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

CLIENT SAMPLE ID	NY-AWQS	NY-PFAS	Units	MW-1	MW-2	MW-4	FIELD BLANK
				3/11/2021	3/11/2021	3/11/2021	3/11/2021
				L2112286-01	L2112286-02	L2112286-05	L2112286-06
				Qual	Qual	Qual	Qual
<b>1,4 Dioxane</b>							
1,4-Dioxane	NS	NS	ug/l	ND	ND	ND	ND
<b>Perfluorinated Alkyl Acids</b>							
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NS	100	ng/l	ND	ND	ND	ND
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NS	100	ng/l	ND	ND	ND	ND
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NS	100	ng/l	ND	ND	ND	ND
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NS	100	ng/l	ND	ND	ND	ND
Perfluorobutanesulfonic Acid (PFBS)	NS	100	ng/l	2.51	6.69	1.63 J	ND
Perfluorobutanoic Acid (PFBA)	NS	100	ng/l	6.66	8.54	7.53	ND
Perfluorodecanesulfonic Acid (PFDS)	NS	100	ng/l	ND	ND	ND	ND
Perfluorodecanoic Acid (PFDA)	NS	100	ng/l	ND	8.32 J	ND	ND
Perfluorododecanoic Acid (PFDoA)	NS	100	ng/l	ND	ND	ND	ND
Perfluoroheptanesulfonic Acid (PFHpS)	NS	100	ng/l	ND	ND	ND	ND
Perfluoroheptanoic Acid (PFHpA)	NS	100	ng/l	3.79	11.6	17.2	ND
Perfluorohexanesulfonic Acid (PFHxS)	NS	100	ng/l	0.756 J	2.41	1.38 J	ND
Perfluorohexanoic Acid (PFHxA)	NS	100	ng/l	2.93	12.2	6.9	ND
Perfluorononanoic Acid (PFNA)	NS	100	ng/l	2.2	3.75	2.26 J	ND
Perfluorooctanesulfonamide (FOSA)	NS	100	ng/l	ND	ND	ND	ND
Perfluorooctanesulfonic Acid (PFOS)	NS	10	ng/l	<b>13.2</b>	<b>25.8</b>	7.27	ND
Perfluorooctanoic Acid (PFOA)	NS	10	ng/l	<b>48.1</b>	<b>164</b>	<b>253</b>	ND
Perfluoropentanoic Acid (PFPeA)	NS	100	ng/l	3.1	13.1	4.42	ND
Perfluorotetradecanoic Acid (PFTA)	NS	100	ng/l	ND	ND	ND	ND
Perfluorotridecanoic Acid (PFTTrDA)	NS	100	ng/l	ND	ND	ND	ND
Perfluoroundecanoic Acid (PFUnA)	NS	100	ng/l	ND	ND	ND	ND
Perfluorinated Alkyl Acids, Total	NS	500	ng/l	83.246	256.41	301.59	ND

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds NY-AWQS or NY-PFAS**

NY-AWQS = NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards

NY-PFAS = Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs, October 2020

J = Estimated value

ND = Not detected

NS = No standard

-- = Not analyzed

Table 6. Volatile Organic Compounds in Soil Vapor  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

LOCATION	EPA-VISL- RTSSGC*	Units	SV-1	SV-2	SV-3	SV-4
SAMPLING DATE			3/11/2021	3/11/2021	3/11/2021	3/11/2021
LAB SAMPLE ID			L2112211-01	L2112211-02	L2112211-03	L2112211-04
			Qual	Qual	Qual	Qual
<b>Volatile Organic Compounds</b>						
Dichlorodifluoromethane	3480	ug/m3	ND	ND	ND	ND
Chloromethane	3130	ug/m3	ND	ND	ND	ND
Freon-114	NS	ug/m3	ND	ND	ND	ND
Vinyl chloride	5.59	ug/m3	ND	ND	ND	ND
1,3-Butadiene	3.12	ug/m3	ND	ND	5.86	ND
Bromomethane	174	ug/m3	ND	ND	ND	ND
Chloroethane	348000	ug/m3	ND	ND	ND	ND
Ethanol	NS	ug/m3	51.4	42.4	80.1	ND
Vinyl bromide	6.24	ug/m3	ND	ND	ND	ND
Acetone	1070000	ug/m3	78.9	67.2	131	155
Trichlorofluoromethane	NS	ug/m3	ND	ND	ND	ND
Isopropanol	6950	ug/m3	ND	ND	ND	ND
1,1-Dichloroethene	6950	ug/m3	ND	ND	ND	ND
Tertiary butyl Alcohol	NS	ug/m3	ND	ND	ND	ND
Methylene chloride	3380	ug/m3	ND	ND	ND	ND
3-Chloropropene	15.6	ug/m3	ND	ND	ND	ND
Carbon disulfide	24300	ug/m3	ND	ND	8.59	ND
Freon-113	174000	ug/m3	ND	ND	ND	ND
trans-1,2-Dichloroethene	NS	ug/m3	ND	ND	ND	ND
1,1-Dichloroethane	58.5	ug/m3	ND	ND	ND	ND
Methyl tert butyl ether	360	ug/m3	ND	ND	ND	ND
2-Butanone	174000	ug/m3	902	687	1230	1210
cis-1,2-Dichloroethene	NS	ug/m3	ND	ND	ND	ND
Ethyl Acetate	2430	ug/m3	ND	ND	ND	ND
Chloroform	4.07	ug/m3	ND	ND	ND	ND
Tetrahydrofuran	69500	ug/m3	ND	ND	ND	ND
1,2-Dichloroethane	3.6	ug/m3	ND	ND	ND	ND
n-Hexane	24300	ug/m3	4.44	3.02	9.02	ND
1,1,1-Trichloroethane	174000	ug/m3	ND	ND	ND	ND
Benzene	12	ug/m3	ND	ND	8.98	ND
Carbon tetrachloride	15.6	ug/m3	ND	ND	ND	ND
Cyclohexane	209000	ug/m3	ND	ND	ND	ND
1,2-Dichloropropane	25.3	ug/m3	ND	ND	ND	ND
Bromodichloromethane	2.53	ug/m3	ND	ND	ND	ND
1,4-Dioxane	18.7	ug/m3	ND	ND	ND	ND
Trichloroethene	15.9	ug/m3	ND	ND	ND	ND
2,2,4-Trimethylpentane	NS	ug/m3	ND	ND	ND	ND
Heptane	NS	ug/m3	8.36	5	10.7	9.06
cis-1,3-Dichloropropene	NS	ug/m3	ND	ND	ND	ND
4-Methyl-2-pentanone	104000	ug/m3	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	ug/m3	ND	ND	ND	ND
1,1,2-Trichloroethane	5.85	ug/m3	ND	ND	ND	ND
Toluene	174000	ug/m3	14.7	11.8	18.4	16.6

Table 6. Volatile Organic Compounds in Soil Vapor  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

LOCATION	EPA-VISL-RTSSGC*	Units	SV-1	SV-2	SV-3	SV-4
SAMPLING DATE			3/11/2021	3/11/2021	3/11/2021	3/11/2021
LAB SAMPLE ID			L2112211-01	L2112211-02	L2112211-03	L2112211-04
			Qual	Qual	Qual	Qual
2-Hexanone	1040	ug/m3	104	63.9	102	117
Dibromochloromethane	NS	ug/m3	ND	ND	ND	ND
1,2-Dibromoethane	0.156	ug/m3	ND	ND	ND	ND
Tetrachloroethene	360	ug/m3	ND	ND	ND	ND
Chlorobenzene	1740	ug/m3	ND	ND	ND	ND
Ethylbenzene	37.4	ug/m3	7.91	7.17	8.25	10.1
p/m-Xylene	3480	ug/m3	46.9	45.6	66	73
Bromoform	85.1	ug/m3	ND	ND	ND	ND
Styrene	34800	ug/m3	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1.61	ug/m3	ND	ND	ND	ND
o-Xylene	3480	ug/m3	40	39.7	64.7	72.5
4-Ethyltoluene	NS	ug/m3	23.4	23.9	41.8	50.1
1,3,5-Trimethylbenzene	2090	ug/m3	39.8	44.3	85.5	94.9
1,2,4-Trimethylbenzene	2090	ug/m3	103	112	203	246
Benzyl chloride	1.91	ug/m3	ND	ND	ND	ND
1,3-Dichlorobenzene	NS	ug/m3	ND	ND	ND	ND
1,4-Dichlorobenzene	8.51	ug/m3	ND	ND	ND	ND
1,2-Dichlorobenzene	6950	ug/m3	ND	ND	ND	ND
1,2,4-Trichlorobenzene	69.5	ug/m3	ND	ND	ND	ND
Hexachlorobutadiene	4.25	ug/m3	ND	ND	ND	ND

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds EPA-VISL-RTSSGC**

\* = EPA VISL Default Residential Target Sub-Slab and Exterior Soil Gas Concentrations Criteria

ND = Not detected

NS = No standard

Table 6. Volatile Organic Compounds in Soil Vapor  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

LOCATION	EPA-VISL- RTSSGC*	Units	SV-5	SV-6
SAMPLING DATE			3/11/2021	3/11/2021
LAB SAMPLE ID			L2112211-05	L2112211-06
			Qual	Qual
<b>Volatile Organic Compounds</b>				
Dichlorodifluoromethane	3480	ug/m3	ND	ND
Chloromethane	3130	ug/m3	ND	ND
Freon-114	NS	ug/m3	ND	ND
Vinyl chloride	5.59	ug/m3	ND	ND
1,3-Butadiene	3.12	ug/m3	ND	ND
Bromomethane	174	ug/m3	ND	ND
Chloroethane	348000	ug/m3	ND	ND
Ethanol	NS	ug/m3	106	52.2
Vinyl bromide	6.24	ug/m3	ND	ND
Acetone	1070000	ug/m3	249	148
Trichlorofluoromethane	NS	ug/m3	ND	ND
Isopropanol	6950	ug/m3	ND	ND
1,1-Dichloroethene	6950	ug/m3	ND	ND
Tertiary butyl Alcohol	NS	ug/m3	ND	ND
Methylene chloride	3380	ug/m3	ND	ND
3-Chloropropene	15.6	ug/m3	ND	ND
Carbon disulfide	24300	ug/m3	8.38	3.21
Freon-113	174000	ug/m3	ND	ND
trans-1,2-Dichloroethene	NS	ug/m3	ND	ND
1,1-Dichloroethane	58.5	ug/m3	ND	ND
Methyl tert butyl ether	360	ug/m3	ND	ND
2-Butanone	174000	ug/m3	1610	888
cis-1,2-Dichloroethene	NS	ug/m3	ND	ND
Ethyl Acetate	2430	ug/m3	ND	ND
Chloroform	4.07	ug/m3	ND	ND
Tetrahydrofuran	69500	ug/m3	ND	ND
1,2-Dichloroethane	3.6	ug/m3	ND	ND
n-Hexane	24300	ug/m3	36.3	6.45
1,1,1-Trichloroethane	174000	ug/m3	ND	ND
Benzene	12	ug/m3	22.4	7.54
Carbon tetrachloride	15.6	ug/m3	ND	ND
Cyclohexane	209000	ug/m3	10.2	ND
1,2-Dichloropropane	25.3	ug/m3	ND	ND
Bromodichloromethane	2.53	ug/m3	ND	ND
1,4-Dioxane	18.7	ug/m3	ND	ND
Trichloroethene	15.9	ug/m3	ND	ND
2,2,4-Trimethylpentane	NS	ug/m3	ND	ND
Heptane	NS	ug/m3	28.3	10.2
cis-1,3-Dichloropropene	NS	ug/m3	ND	ND
4-Methyl-2-pentanone	104000	ug/m3	ND	ND
trans-1,3-Dichloropropene	NS	ug/m3	ND	ND
1,1,2-Trichloroethane	5.85	ug/m3	ND	ND
Toluene	174000	ug/m3	23.3	19.3

Table 6. Volatile Organic Compounds in Soil Vapor  
 197 Canal Street, Staten Island, NY  
 Remedial Investigation Report

LOCATION	EPA-VISL-RTSSGC*	Units	SV-5	SV-6
SAMPLING DATE			3/11/2021	3/11/2021
LAB SAMPLE ID			L2112211-05	L2112211-06
			Qual	Qual
2-Hexanone	1040	ug/m3	139	126
Dibromochloromethane	NS	ug/m3	ND	ND
1,2-Dibromoethane	0.156	ug/m3	ND	ND
Tetrachloroethene	360	ug/m3	ND	ND
Chlorobenzene	1740	ug/m3	ND	ND
Ethylbenzene	37.4	ug/m3	10.1	10.5
p/m-Xylene	3480	ug/m3	59.5	57.3
Bromoform	85.1	ug/m3	ND	ND
Styrene	34800	ug/m3	ND	ND
1,1,2,2-Tetrachloroethane	1.61	ug/m3	ND	ND
o-Xylene	3480	ug/m3	55.6	45.2
4-Ethyltoluene	NS	ug/m3	34.4	24.1
1,3,5-Trimethylbenzene	2090	ug/m3	70.8	34.5
1,2,4-Trimethylbenzene	2090	ug/m3	188	86.5
Benzyl chloride	1.91	ug/m3	ND	ND
1,3-Dichlorobenzene	NS	ug/m3	ND	ND
1,4-Dichlorobenzene	8.51	ug/m3	ND	ND
1,2-Dichlorobenzene	6950	ug/m3	ND	ND
1,2,4-Trichlorobenzene	69.5	ug/m3	ND	ND
Hexachlorobutadiene	4.25	ug/m3	ND	ND

**Notes:**

**Bold and shaded yellow value indicates concentration exceeds EPA-VISL-RTSSGC**

\* = EPA VISL Default Residential Target Sub-Slab and Exterior Soil Gas Concentrations Criteria

ND = Not detected

NS = No standard

APPENDIX A  
PHASE I ENVIRONMENTAL SITE ASSESSMENT



APPENDIX B  
LITHOLOGIC LOGS

**Site:** 197 Canal Street

**Drilling Method:** Geoprobe

**Date:** 3/10/21

**Soil Sampling Method:** 5' Macro-core

**Weather:** Sunny, 50s

**DTW:** 8'

**Observer:** A. Platt

**Driller :** AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Well Construction	Soil Description	
1	0.0	23"	SB-1 (0-2)	1" PVC Riser (0'-3')	0'-5' - FILL, Brown, fine to medium silty SAND, trace gravel, brick, and asphalt, medium dense, moist	
2						
3	0.0					
4	0.0		SB-1 (3-5)			
5						
6	0.0	33"		1" PVC Screen (3'-13')	5'-10' - Brown, medium to coarse poorly graded SAND with silt, trace gravel, medium dense, wet @ 8 ft-bg	
7						
8	0.0					
9	0.0					
10						
11					End of Boring @ 10 ft-bg	
12						
13						
14						
15						

**Notes:**
**Legend:**

DTW - Depth to Water

EOB - End of Boring

ft-bg - Feet Below Grade

SM - Silty Sand

SW - Well-graded Sand

GW - Groundwater

PID - Photoionization Detector

SAA - Same as Above

NR - Not Recorded

SP - Poorly Graded Sand

GP - Poorly Graded Gravel

Boring No.	SB-2/MW-2
Sheet	1 of 1
Site: 197 Canal Street	Drilling Method: Geoprobe
Date: 3/10/21	Soil Sampling Method: 5' Macro-core
Weather: Sunny, 50s	DTW: 8'6"
Observer: A. Platt	Driller : AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Well Construction	Soil Description
1	0.0	43"	SB-2 (0-2)	1" PVC Riser (0'-4')	0'-3.5' - FILL, Brown to black, fine to coarse silty SAND, trace gravel, brick, and asphalt, medium dense, moist
2					
3	0.0				
4	0.0		SB-2 (3-5)		
5					----- 3.5'-5' - Brown, fine SILT with sand, firm, moist
6	0.0	38"		1" PVC Screen (4'-14')	5'-8.5' - Brown, fine SILT with sand, firm, moist
7					
8	0.0				
9	0.0				
10					----- 8.5'-10' - Brown, coarse poorly graded GRAVEL with sand and silt, loose, wet @ 8.5 ft-bg
11					End of Boring @ 10 ft-bg
12					
13					
14					
15					

**Notes:**

**Legend:**

DTW - Depth to Water	PID - Photoionization Detector
EOB - End of Boring	SAA - Same as Above
ft-bg - Feet Below Grade	NR - Not Recorded
SM - Silty Sand	SP - Poorly Graded Sand
SW - Well-graded Sand	GP - Poorly Graded Gravel
GW - Groundwater	

Boring No.	SB-3/MW-3
Sheet	1 of 1
Drilling Method:	Geoprobe
Soil Sampling Method:	5' Macro-core
DTW:	4'9"
Driller :	AARCO

Site:	197 Canal Street
Date:	3/10/21
Weather:	Sunny, 50s
Observer:	A. Platt

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Well Construction	Soil Description	
1	0.0	32"	SB-3 (0-2)	1" PVC Screen (0'-10')	0'-5' - FILL, brown, fine to medium silty SAND, trace gravel and brick, medium dense, wet @ 4.75 ft-bg	
2						
3	0.0					
4						
5	0.0		SB-3 (4-6) & SB-3 (4-6) DUP			
6	0.0	44"			1" PVC Screen (0'-10')	5'-8.33' - Brown, fine to coarse silty SAND with gravel, medium dense, wet
7						
8	0.0					
9						
10	0.0					
						8.33'-10' - Gray, fine SILT with sand, soft, wet
						<b>End of Boring @ 10 ft-bg</b>
11						
12						
13						
14						
15						

**Notes:**

**Legend:**

DTW - Depth to Water	PID - Photoionization Detector
EOB - End of Boring	SAA - Same as Above
ft-bg - Feet Below Grade	NR - Not Recorded
SM - Silty Sand	SP - Poorly Graded Sand
SW - Well-graded Sand	GP - Poorly Graded Gravel
GW - Groundwater	

Site: 197 Canal Street

Drilling Method: Geoprobe

Date: 3/10/21

Soil Sampling Method: 5' Macro-core

Weather: Sunny, 50s

DTW: 9'9"

Observer: A. Platt

Driller : AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Well Construction	Soil Description
1	0.0	32"	SB-4 (0-2)	1" PVC Riser (0'-4')	0'-5' - FILL, Brown to orange, fine to coarse silty SAND, trace gravel, brick, and concrete, medium dense, moist
2	0.0				
3					
4					
5			0.0		
6	0.0				
7					
8					
9					
10					
11	0.0	60"			10'-15' - Brown, fine SILT with sand, soft, wet
12	0.0				
13					
14					
15	0.0				End of Boring @ 15 ft-bg

Notes:

Legend:

DTW - Depth to Water

PID - Photoionization Detector

EOB - End of Boring

SAA - Same as Above

ft-bg - Feet Below Grade

NR - Not Recorded

SM - Silty Sand

SP - Poorly Graded Sand

SW - Well-graded Sand

GP - Poorly Graded Gravel

GW - Groundwater

<b>Boring No.</b>	<b>SB-5</b>
<b>Sheet</b>	<b>1 of 1</b>
<b>Site:</b>	<b>197 Canal Street</b>
<b>Date:</b>	<b>3/10/21</b>
<b>Weather:</b>	<b>Sunny, 50s</b>
<b>Observer:</b>	<b>A. Platt</b>
<b>Drilling Method:</b>	Geoprobe
<b>Soil Sampling Method:</b>	5' Macro-core
<b>DTW:</b>	9'7"
<b>Driller :</b>	AARCO

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
1	0.0	36"	SB-5 (0-2)	0'-5' - FILL, fine to coarse poorly graded SAND with silt, trace gravel and brick, medium dense, moist
2				
3	0.0			
4				
5	0.0		SB-5 (4-6)	
6	0.0	26"		5'-10' - Brown, medium to coarse poorly graded SAND, loose, wet @ 9.58 ft-bg
7				
8	0.0			
9				
10	0.0			
11				End of Boring @ 10 ft-bg
12				
13				
14				
15				

**Notes:**

**Legend:**

DTW - Depth to Water	PID - Photoionization Detector
EOB - End of Boring	SAA - Same as Above
ft-bg - Feet Below Grade	NR - Not Recorded
SM - Silty Sand	SP - Poorly Graded Sand
SW - Well-graded Sand	GP - Poorly Graded Gravel
GW - Groundwater	

<b>Boring No.</b>	<b>SB-6</b>
<b>Sheet</b>	<b>1 of 1</b>
<b>Drilling Method:</b>	Geoprobe
<b>Soil Sampling Method:</b>	5' Macro-core
<b>DTW:</b>	7'9"
<b>Driller :</b>	AARCO

<b>Site:</b>	197 Canal Street
<b>Date:</b>	3/10/21
<b>Weather:</b>	Sunny, 50s
<b>Observer:</b>	A. Platt

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
1	0.0	40"	SB-6 (0-2)	0'-4' - FILL, brown, fine to medium silty SAND, trace gravel and brick, medium dense, moist
2				
3	0.0			
4	0.0			
5			SB-6 (4-6)	4'-5' - Brown, sandy SILT, firm, moist
6	0.0	43"		5'-10' - Brown to gray, sandy SILT, firm, wet @ 7.75 ft-bg
7				
8	5.6		SB-6 (7-9)	
9				
10	0.5			
11				End of Boring @ 10 ft-bg
12				
13				
14				
15				

**Notes:** PFAS and 1,4-dioxane samples collected from SB-6 (0-2)

**Legend:**

- |                          |                                |
|--------------------------|--------------------------------|
| DTW - Depth to Water     | PID - Photoionization Detector |
| EOB - End of Boring      | SAA - Same as Above            |
| ft-bg - Feet Below Grade | NR - Not Recorded              |
| SM - Silty Sand          | SP - Poorly Graded Sand        |
| SW - Well-graded Sand    | GP - Poorly Graded Gravel      |
| GW - Groundwater         |                                |

<b>Boring No.</b>	<b>SB-7</b>
<b>Sheet</b>	<b>1 of 1</b>
<b>Site:</b>	<b>197 Canal Street</b>
<b>Date:</b>	<b>3/10/21</b>
<b>Weather:</b>	<b>Sunny, 50s</b>
<b>Observer:</b>	<b>A. Platt</b>
<b>Drilling Method:</b>	<b>Geoprobe</b>
<b>Soil Sampling Method:</b>	<b>5' Macro-core</b>
<b>DTW:</b>	<b>N/A</b>
<b>Driller :</b>	<b>AARCO</b>

Depth (feet)	PID Reading (ppm)	Soil Recovery	Soil Samples	Soil Description
1	0.0	29"	SB-7 (0-2)	0'-0.25' - Asphalt 0.25'-3.5' - FILL, yellow to orange, fine to medium poorly graded SAND, medium dense, moist
2	0.0			
3				
4	0.0	2"	SB-7 (4-6)	3.5'-5' - FILL, brown, fine to medium silty SAND, trace gravel and brick, medium dense, moist
5	0.0			
6				
7				
8				
9				
10				
11				Refusal @ 7 ft-bg, End of Boring
12				
13				
14				
15				

**Notes:**

**Legend:**

DTW - Depth to Water  
 EOB - End of Boring  
 ft-bg - Feet Below Grade  
 SM - Silty Sand  
 SW - Well-graded Sand  
 GW - Groundwater

PID - Photoionization Detector  
 SAA - Same as Above  
 NR - Not Recorded  
 SP - Poorly Graded Sand  
 GP - Poorly Graded Gravel



APPENDIX C  
PURGE LOGS

**Appendix C - Groundwater Purge Logs  
197 Canal Street - Staten Island**

GROUNDWATER SAMPLING LOG

Site Name	197 Canal Street	Date	3/11/21
Well No.	MW-1	Sample ID	MW-1

Well Diameter	1 inch	Depth to Water	6.19 ft-bg
Well Screen Interval	3-13 ft-bg	Depth to Bottom	12.68 ft-bg
Headspace PID	0.0 ppm		
Weather	Sunny, 50s		

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	4 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
10:05	12.53	7.47	120	0.767	686	6.36	0.491
10:15	11.74	7.13	111	0.628	493	3.35	0.402
10:25	11.63	7.10	120	0.614	43.4	6.47	0.393

Notes: Began purging at 9:50. Hooked up Horiba at 10:05. Sampled MW-1 at 10:30 for VOCs, SVOCs, total and dissolved metals, pesticides, PCBs, PFAS, and 1,4-dioxane.

**Appendix C - Groundwater Purge Logs  
197 Canal Street - Staten Island**

GROUNDWATER SAMPLING LOG

Site Name	197 Canal Street	Date	3/11/21
Well No.	MW-2	Sample ID	MW-2

Well Diameter	1 inch	Depth to Water	5.50 ft-bg
Well Screen Interval	4-14 ft-bg	Depth to Bottom	13.00 ft-bg
Headspace PID	0.0 ppm		
Weather	Sunny, 50s		

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	3 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
11:00	14.59	7.30	106	0.948	1000	3.12	0.607
11:10	14.58	7.28	87	0.969	430	1.78	0.621
11:20	14.72	7.28	91	0.979	38.5	1.81	0.626

Notes: Began purging at 10:50. Hooked up Horiba at 10:57. Sampled MW-2 at 10:30 for VOCs, SVOCs, total and dissolved metals, pesticides, PCBs, PFAS, and 1,4-dioxane.

**Appendix C - Groundwater Purge Logs  
197 Canal Street - Staten Island**

GROUNDWATER SAMPLING LOG

Site Name	197 Canal Street	Date	3/11/21
Well No.	MW-3	Sample ID	MW-3

Well Diameter	1 inch	Depth to Water	4.21 ft-bg
Well Screen Interval	0-10 ft-bg	Depth to Bottom	9.89 ft-bg
Headspace PID	0.0 ppm		
Weather	Overcast, 50s		

Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	5 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
8:30	10.34	8.56	6	1.07	628	3.62	0.682
8:40	11.06	7.31	56	1.02	297	0.73	0.655
8:50	11.33	7.29	68	1.02	117	0.55	0.652
9:00	11.54	7.27	66	1.02	120	1.02	0.652
9:10	11.62	7.28	69	1.02	95.3	0.60	0.652
9:20	11.82	7.28	71	1.02	142	0.68	0.650
9:30	11.99	7.35	70	1.02	33.7	0.64	0.650

Notes: Began purging at 8:24. Hooked up Horiba at 8:30. Sampled MW-3 at 9:30 and MW-3\_DUP at 9:35 for VOCs, SVOCs, total and dissolved metals, pesticides, and PCBs.

**Appendix C - Groundwater Purge Logs  
197 Canal Street - Staten Island**

GROUNDWATER SAMPLING LOG

Site Name	197 Canal Street	Date	3/11/21
Well No.	MW-4	Sample ID	MW-4

Well Diameter	1 inch	Depth to Water	6.45 ft-bg
Well Screen Interval	4-14 ft-bg	Depth to Bottom	13.96 ft-bg
Headspace PID	0.0 ppm		
Weather	Sunny, 60s		


Pump	Peristaltic
Water Quality Meter	Horiba U52
Total Volume Purged	1 gallon

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm

Notes: Began purging at 11:37. Well immediately running dry, grab sample immediately without hooking up Horiba after water runs clear. Sampled MW-4 at 12:00 for VOCs, SVOCs, total and dissolved metals, pesticides, PCBs, PFAS, and 1,4-dioxane.

APPENDIX D  
SOIL VAPOR LOGS

**Appendix D - Soil Vapor Logs**  
**197 Canal Street - Staten Island, NY**

								
<b>Site:</b>		<b>197 Canal Street - Staten Island, NY</b>						
<b>Weather:</b>		<b>50°F, Sunny</b>						
<b>Date:</b>		<b>3/11/21</b>						
<b>Observers:</b>		<b>A. Platt &amp; S. Babyatsky</b>						
<b>Sample ID</b>	<b>He (ppm)</b>	<b>PID (ppm)</b>	<b>Can ID</b>	<b>Flow ID</b>	<b>Initial Time</b>	<b>Final Time</b>	<b>Initial Pressure (in-Hg)</b>	<b>Final Pressure (in-Hg)</b>
<b>SV-1</b>	0	6.3	248	01146	8:19	10:17	-30.75	-6.62
<b>SV-2</b>	0	9.6	121	0851	8:21	10:18	-30.73	-6.83
<b>SV-3</b>	0	12.7	260	01263	8:24	10:21	-30.67	-5.99
<b>SV-4</b>	0	20	2279	01935	8:16	10:14	-30.50	-7.12
<b>SV-5</b>	0	22.1	549	01874	8:27	10:22	-30.66	-6.50
<b>SV-6</b>	0	5.8	2423	01088	8:30	10:23	-30.70	-7.84
<b>Notes:</b>								
ppm: parts per million				in-Hg: inches mercury				

APPENDIX E  
LABORATORY DELIVERABLES





## ANALYTICAL REPORT

Lab Number:	L2111885
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Matthew Carroll
Phone:	(646) 606-2332
Project Name:	197 CANAL STREET
Project Number:	197 CANAL STREET
Report Date:	03/24/21

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).

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



Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2111885-01	SB-1 (0-2)	SOIL	STATEN ISLAND, NY	03/10/21 10:05	03/10/21
L2111885-02	SB-1 (3-5)	SOIL	STATEN ISLAND, NY	03/10/21 10:10	03/10/21
L2111885-03	SB-2 (0-2)	SOIL	STATEN ISLAND, NY	03/10/21 11:25	03/10/21
L2111885-04	SB-2 (3-5)	SOIL	STATEN ISLAND, NY	03/10/21 11:30	03/10/21
L2111885-05	SB-3 (0-2)	SOIL	STATEN ISLAND, NY	03/10/21 08:50	03/10/21
L2111885-06	SB-3 (4-6)	SOIL	STATEN ISLAND, NY	03/10/21 08:55	03/10/21
L2111885-07	SB-3 (4-6)_DUP	SOIL	STATEN ISLAND, NY	03/10/21 09:00	03/10/21
L2111885-08	SB-4 (0-2)	SOIL	STATEN ISLAND, NY	03/10/21 11:00	03/10/21
L2111885-09	SB-4 (4-6)	SOIL	STATEN ISLAND, NY	03/10/21 11:05	03/10/21
L2111885-10	SB-5 (0-2)	SOIL	STATEN ISLAND, NY	03/10/21 10:35	03/10/21
L2111885-11	SB-5 (4-6)	SOIL	STATEN ISLAND, NY	03/10/21 10:40	03/10/21
L2111885-12	SB-6 (0-2)	SOIL	STATEN ISLAND, NY	03/10/21 09:20	03/10/21
L2111885-13	SB-6 (4-6)	SOIL	STATEN ISLAND, NY	03/10/21 09:25	03/10/21
L2111885-14	SB-6 (7-9)	SOIL	STATEN ISLAND, NY	03/10/21 09:30	03/10/21
L2111885-15	SB-7 (0-2)	SOIL	STATEN ISLAND, NY	03/10/21 09:45	03/10/21
L2111885-16	SB-7 (4-6)	SOIL	STATEN ISLAND, NY	03/10/21 09:50	03/10/21
L2111885-17	FIELD BLANK	WATER	STATEN ISLAND, NY	03/10/21 11:40	03/10/21
L2111885-18	TRIP BLANK	WATER	STATEN ISLAND, NY	03/10/21 00:00	03/10/21

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

### 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.

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**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

### Case Narrative (continued)

#### Report Submission

March 24, 2021: This final report includes the results of all requested analyses.

March 18, 2021: 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

The WG1475637-5 Method Blank, associated with L2111885-08 through -16, 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

L2111885-08D: The sample has elevated detection limits due to the dilution required by the sample matrix.

#### Perfluorinated Alkyl Acids by Isotope Dilution

L2111885-12: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1474393-1/-2, WG1474406-1/-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

#### PCBs

WG1474708: An MS/MSD was not analyzed because the dilution required by the native sample would have caused the spike compounds to be diluted below the range of calibration.

#### Pesticides

L2111885-06: The sample contains peaks which match the retention times for chlordane, but do not match the

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

### Case Narrative (continued)

area ratios in the reference standard.

L2111885-08D and -11D: The sample has elevated detection limits due to the dilution required by the sample matrix.

L2111885-14: The internal standard (IS) response for 1-bromo-2-nitrobenzene (579%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (9%) and decachlorobiphenyl (7%) due to interference with the Internal Standard.

#### Total Metals

L2111885-01 through -16: 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.

L2111885-17: The Field Blank has a result for sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

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: 03/24/21

# ORGANICS

# VOLATILES

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-01  
 Client ID: SB-1 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:05  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/16/21 22:40  
 Analyst: JC  
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.0	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.24	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1



**Project Name:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-01  
 Client ID: SB-1 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:05  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.60	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	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	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	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	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	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	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	4.8	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	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-01  
**Client ID:** SB-1 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 10:05  
**Date Received:** 03/10/21  
**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	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	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	97	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	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

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

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-02  
 Client ID: SB-1 (3-5)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:10  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/16/21 23:05  
 Analyst: JC  
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
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	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: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-02  
 Client ID: SB-1 (3-5)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:10  
 Date Received: 03/10/21  
 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	5.6	J	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	1.3	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	0.53	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	0.13	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	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.69	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-02  
**Client ID:** SB-1 (3-5)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 10:10  
**Date Received:** 03/10/21  
**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	0.21	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	94		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	89		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-03  
 Client ID: SB-2 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:25  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/16/21 23:30  
 Analyst: JC  
 Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-03  
 Client ID: SB-2 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:25  
 Date Received: 03/10/21  
 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	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.13	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.6	0.74	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-03  
**Client ID:** SB-2 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:25  
**Date Received:** 03/10/21  
**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	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	91	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	90		70-130



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-04  
 Client ID: SB-2 (3-5)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:30  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/16/21 23:54  
 Analyst: JC  
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
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	0.72	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	0.57	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:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-04  
 Client ID: SB-2 (3-5)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:30  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
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	5.1	J	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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-04  
**Client ID:** SB-2 (3-5)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:30  
**Date Received:** 03/10/21  
**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	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	95		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	89		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-05  
 Client ID: SB-3 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 08:50  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/17/21 00:19  
 Analyst: JC  
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

**Project Name:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-05  
 Client ID: SB-3 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 08:50  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	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	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	7.9	J	ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	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	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	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	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	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	2.0	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	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-05  
**Client ID:** SB-3 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 08:50  
**Date Received:** 03/10/21  
**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	0.17	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	80	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	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	5.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	88		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-06  
 Client ID: SB-3 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 08:55  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/17/21 00:44  
 Analyst: JC  
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-06  
 Client ID: SB-3 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 08:55  
 Date Received: 03/10/21  
 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	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	6.4	J	ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-06  
**Client ID:** SB-3 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 08:55  
**Date Received:** 03/10/21  
**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	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	88	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

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

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-07  
**Client ID:** SB-3 (4-6)\_DUP  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:00  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/17/21 01:09  
**Analyst:** JC  
**Percent Solids:** 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	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	ND		ug/kg	0.54	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	1.0	1
Bromomethane	ND		ug/kg	2.2	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-07  
 Client ID: SB-3 (4-6)\_DUP  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:00  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	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	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	6.6	J	ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.20	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-07  
**Client ID:** SB-3 (4-6)\_DUP  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:00  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.20	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	92		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-08  
 Client ID: SB-4 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:00  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/17/21 19:33  
 Analyst: AJK  
 Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	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	ND		ug/kg	0.54	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	1.0	1
Bromomethane	ND		ug/kg	2.2	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-08  
 Client ID: SB-4 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:00  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	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	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.20	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-08  
**Client ID:** SB-4 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:00  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.20	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	97		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-09  
**Client ID:** SB-4 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:05  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/17/21 19:59  
**Analyst:** AJK  
**Percent Solids:** 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	4.6	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	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	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	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	0.45	J	ug/kg	0.46	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	0.85	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: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-09  
 Client ID: SB-4 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:05  
 Date Received: 03/10/21  
 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	0.46	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	ND		ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.1	1
2-Butanone	ND		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	0.46	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	0.91	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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-09  
**Client ID:** SB-4 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:05  
**Date Received:** 03/10/21  
**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	73	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	4.6	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	100		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-10  
 Client ID: SB-5 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:35  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/17/21 20:25  
 Analyst: AJK  
 Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-10  
 Client ID: SB-5 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:35  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	23		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.71	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-10  
**Client ID:** SB-5 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 10:35  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	100		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-11  
 Client ID: SB-5 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/17/21 20:50  
 Analyst: AJK  
 Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-11  
 Client ID: SB-5 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-11  
**Client ID:** SB-5 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 10:40  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-12  
**Client ID:** SB-6 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:20  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/17/21 21:15  
**Analyst:** AJK  
**Percent Solids:** 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
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	0.98	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:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-12  
 Client ID: SB-6 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:20  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
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	0.59	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	ND		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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-12  
**Client ID:** SB-6 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:20  
**Date Received:** 03/10/21  
**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	96		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	98		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-13  
 Client ID: SB-6 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:25  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/17/21 21:40  
 Analyst: AJK  
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.97	0.14	1
Chloroform	ND		ug/kg	1.4	0.14	1
Carbon tetrachloride	ND		ug/kg	0.97	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.97	0.12	1
Dibromochloromethane	ND		ug/kg	0.97	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.97	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.97	0.52	1
Ethylbenzene	ND		ug/kg	0.97	0.14	1
Chloromethane	ND		ug/kg	3.9	0.90	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.97	0.32	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-13  
 Client ID: SB-6 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:25  
 Date Received: 03/10/21  
 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	0.48	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	0.54	1
o-Xylene	ND		ug/kg	0.97	0.28	1
Xylenes, Total	ND		ug/kg	0.97	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.97	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.97	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.97	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.89	1
Acetone	ND		ug/kg	9.7	4.6	1
Carbon disulfide	ND		ug/kg	9.7	4.4	1
2-Butanone	ND		ug/kg	9.7	2.2	1
Vinyl acetate	ND		ug/kg	9.7	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.7	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.97	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.97	0.16	1
sec-Butylbenzene	ND		ug/kg	0.97	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	2.9	0.97	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.97	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.10	1
Naphthalene	ND		ug/kg	3.9	0.63	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-13  
**Client ID:** SB-6 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:25  
**Date Received:** 03/10/21  
**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	0.97	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	77	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	97		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-14  
 Client ID: SB-6 (7-9)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:30  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/17/21 22:05  
 Analyst: MV  
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.8	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	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.20	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	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: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-14  
 Client ID: SB-6 (7-9)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:30  
 Date Received: 03/10/21  
 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	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.24	1
p/m-Xylene	ND		ug/kg	2.3	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	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	32		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	6.0	J	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	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	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	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	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	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.3	1



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-14  
**Client ID:** SB-6 (7-9)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:30  
**Date Received:** 03/10/21  
**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	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	94	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.21	1
p-Ethyltoluene	ND		ug/kg	2.3	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	98		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-15  
 Client ID: SB-7 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:45  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/17/21 22:30  
 Analyst: MV  
 Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-15  
 Client ID: SB-7 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:45  
 Date Received: 03/10/21  
 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	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.63	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.3	0.13	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.5	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.74	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-15  
**Client ID:** SB-7 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:45  
**Date Received:** 03/10/21  
**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	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	91	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	96		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-16  
 Client ID: SB-7 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:50  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 03/17/21 22:56  
 Analyst: MV  
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
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	0.22	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	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.15	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	0.49		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	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:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-16  
 Client ID: SB-7 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:50  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b>						
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	ND		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	0.28	1
Xylenes, Total	ND		ug/kg	0.98	0.28	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	0.89	1
Acetone	ND		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.4	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	1.2	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	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-16  
**Client ID:** SB-7 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:50  
**Date Received:** 03/10/21  
**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	0.31	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	78	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	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	97		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-17  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 03/16/21 11:05  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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
1,1,1,2,2-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: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-17  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:40  
 Date Received: 03/10/21  
 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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-17  
**Client ID:** FIELD BLANK  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:40  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	106		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-18  
 Client ID: TRIP BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 00:00  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 03/16/21 11:32  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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
1,1,1,2,2-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: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-18  
 Client ID: TRIP BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 00:00  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-18  
**Client ID:** TRIP BLANK  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 00:00  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	103		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 03/16/21 08:21  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17-18 Batch: WG1475130-5					
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 03/16/21 08:21  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17-18 Batch: WG1475130-5					
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 03/16/21 08:21  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17-18 Batch: WG1475130-5					
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	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	92		70-130



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 03/16/21 18:55  
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1475411-5					
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	1.1	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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 03/16/21 18:55  
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1475411-5					
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	5.2	J	ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	3.4	J	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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 03/16/21 18:55  
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1475411-5					
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	94		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	88		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 03/17/21 14:07  
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08-16 Batch: WG1475637-5					
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	2.0		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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 03/17/21 14:07  
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08-16 Batch: WG1475637-5					
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	3.8	J	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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 03/17/21 14:07  
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08-16 Batch: WG1475637-5					
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	93		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	96		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17-18 Batch: WG1475130-3 WG1475130-4								
Methylene chloride	93		100		70-130	7		20
1,1-Dichloroethane	99		100		70-130	1		20
Chloroform	99		100		70-130	1		20
Carbon tetrachloride	95		100		63-132	5		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	100		100		63-130	0		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	100		110		62-150	10		20
1,2-Dichloroethane	98		100		70-130	2		20
1,1,1-Trichloroethane	98		100		67-130	2		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	95		110		70-130	15		20
cis-1,3-Dichloropropene	97		110		70-130	13		20
1,1-Dichloropropene	100		110		70-130	10		20
Bromoform	95		96		54-136	1		20
1,1,2,2-Tetrachloroethane	100		120		67-130	18		20
Benzene	100		110		70-130	10		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	60		110		39-139	59	Q	20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17-18 Batch: WG1475130-3 WG1475130-4								
Vinyl chloride	100		110		55-140	10		20
Chloroethane	110		120		55-138	9		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	97		100		70-130	3		20
Trichloroethene	95		99		70-130	4		20
1,2-Dichlorobenzene	100		110		70-130	10		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	100		110		70-130	10		20
Methyl tert butyl ether	94		110		63-130	16		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		110		70-130	10		20
cis-1,2-Dichloroethene	99		100		70-130	1		20
Dibromomethane	100		110		70-130	10		20
1,2,3-Trichloropropane	98		110		64-130	12		20
Acrylonitrile	100		120		70-130	18		20
Styrene	105		110		70-130	5		20
Dichlorodifluoromethane	110		120		36-147	9		20
Acetone	100		110		58-148	10		20
Carbon disulfide	98		100		51-130	2		20
2-Butanone	87		100		63-138	14		20
Vinyl acetate	120		140	Q	70-130	15		20
4-Methyl-2-pentanone	96		110		59-130	14		20
2-Hexanone	94		110		57-130	16		20



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17-18 Batch: WG1475130-3 WG1475130-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	81		100		63-133	21	Q	20
1,2-Dibromoethane	100		110		70-130	10		20
1,3-Dichloropropane	100		110		70-130	10		20
1,1,1,2-Tetrachloroethane	100		110		64-130	10		20
Bromobenzene	100		110		70-130	10		20
n-Butylbenzene	100		110		53-136	10		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	100		110		70-130	10		20
o-Chlorotoluene	100		110		70-130	10		20
p-Chlorotoluene	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	93		99		41-144	6		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	100		110		70-130	10		20
p-Isopropyltoluene	100		110		70-130	10		20
Naphthalene	85		110		70-130	26	Q	20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	93		100		70-130	7		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
1,4-Dioxane	102		100		56-162	2		20
p-Diethylbenzene	110		110		70-130	0		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17-18 Batch: WG1475130-3 WG1475130-4								
p-Ethyltoluene	100		110		70-130	10		20
1,2,4,5-Tetramethylbenzene	100		110		70-130	10		20
Ethyl ether	98		100		59-134	2		20
trans-1,4-Dichloro-2-butene	76		71		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		103		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	101		98		70-130
Dibromofluoromethane	97		97		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1475411-3 WG1475411-4								
Methylene chloride	87		84		70-130	4		30
1,1-Dichloroethane	93		89		70-130	4		30
Chloroform	89		85		70-130	5		30
Carbon tetrachloride	92		88		70-130	4		30
1,2-Dichloropropane	91		89		70-130	2		30
Dibromochloromethane	92		93		70-130	1		30
1,1,2-Trichloroethane	90		92		70-130	2		30
Tetrachloroethene	95		92		70-130	3		30
Chlorobenzene	89		88		70-130	1		30
Trichlorofluoromethane	101		96		70-139	5		30
1,2-Dichloroethane	90		88		70-130	2		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	91		86		70-130	6		30
trans-1,3-Dichloropropene	93		93		70-130	0		30
cis-1,3-Dichloropropene	92		90		70-130	2		30
1,1-Dichloropropene	96		92		70-130	4		30
Bromoform	91		87		70-130	4		30
1,1,2,2-Tetrachloroethane	93		93		70-130	0		30
Benzene	93		89		70-130	4		30
Toluene	90		89		70-130	1		30
Ethylbenzene	92		90		70-130	2		30
Chloromethane	115		112		52-130	3		30
Bromomethane	108		99		57-147	9		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1475411-3 WG1475411-4								
Vinyl chloride	112		107		67-130	5		30
Chloroethane	100		94		50-151	6		30
1,1-Dichloroethene	96		93		65-135	3		30
trans-1,2-Dichloroethene	93		89		70-130	4		30
Trichloroethene	91		87		70-130	4		30
1,2-Dichlorobenzene	88		88		70-130	0		30
1,3-Dichlorobenzene	90		87		70-130	3		30
1,4-Dichlorobenzene	90		88		70-130	2		30
Methyl tert butyl ether	92		90		66-130	2		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	96		94		70-130	2		30
cis-1,2-Dichloroethene	88		85		70-130	3		30
Dibromomethane	89		87		70-130	2		30
Styrene	100		99		70-130	1		30
Dichlorodifluoromethane	143		137		30-146	4		30
Acetone	108		106		54-140	2		30
Carbon disulfide	114		109		59-130	4		30
2-Butanone	98		92		70-130	6		30
Vinyl acetate	104		102		70-130	2		30
4-Methyl-2-pentanone	96		95		70-130	1		30
1,2,3-Trichloropropane	92		89		68-130	3		30
2-Hexanone	97		98		70-130	1		30
Bromochloromethane	86		86		70-130	0		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1475411-3 WG1475411-4								
2,2-Dichloropropane	94		90		70-130	4		30
1,2-Dibromoethane	95		94		70-130	1		30
1,3-Dichloropropane	90		91		69-130	1		30
1,1,1,2-Tetrachloroethane	89		90		70-130	1		30
Bromobenzene	85		84		70-130	1		30
n-Butylbenzene	95		92		70-130	3		30
sec-Butylbenzene	93		89		70-130	4		30
tert-Butylbenzene	92		88		70-130	4		30
o-Chlorotoluene	103		101		70-130	2		30
p-Chlorotoluene	90		88		70-130	2		30
1,2-Dibromo-3-chloropropane	88		88		68-130	0		30
Hexachlorobutadiene	87		87		67-130	0		30
Isopropylbenzene	91		88		70-130	3		30
p-Isopropyltoluene	93		91		70-130	2		30
Naphthalene	85		84		70-130	1		30
Acrylonitrile	100		97		70-130	3		30
n-Propylbenzene	92		90		70-130	2		30
1,2,3-Trichlorobenzene	86		87		70-130	1		30
1,2,4-Trichlorobenzene	90		87		70-130	3		30
1,3,5-Trimethylbenzene	92		88		70-130	4		30
1,2,4-Trimethylbenzene	91		88		70-130	3		30
1,4-Dioxane	98		94		65-136	4		30
p-Diethylbenzene	93		90		70-130	3		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1475411-3 WG1475411-4								
p-Ethyltoluene	92		90		70-130	2		30
1,2,4,5-Tetramethylbenzene	90		88		70-130	2		30
Ethyl ether	96		93		67-130	3		30
trans-1,4-Dichloro-2-butene	102		98		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		89		70-130
Toluene-d8	89		92		70-130
4-Bromofluorobenzene	87		86		70-130
Dibromofluoromethane	88		87		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08-16 Batch: WG1475637-3 WG1475637-4								
Methylene chloride	100		96		70-130	4		30
1,1-Dichloroethane	99		98		70-130	1		30
Chloroform	94		93		70-130	1		30
Carbon tetrachloride	91		90		70-130	1		30
1,2-Dichloropropane	100		100		70-130	0		30
Dibromochloromethane	102		106		70-130	4		30
1,1,2-Trichloroethane	118		119		70-130	1		30
Tetrachloroethene	96		98		70-130	2		30
Chlorobenzene	102		105		70-130	3		30
Trichlorofluoromethane	101		94		70-139	7		30
1,2-Dichloroethane	96		95		70-130	1		30
1,1,1-Trichloroethane	93		91		70-130	2		30
Bromodichloromethane	98		98		70-130	0		30
trans-1,3-Dichloropropene	106		110		70-130	4		30
cis-1,3-Dichloropropene	90		91		70-130	1		30
1,1-Dichloropropene	95		94		70-130	1		30
Bromoform	98		102		70-130	4		30
1,1,2,2-Tetrachloroethane	129		130		70-130	1		30
Benzene	95		94		70-130	1		30
Toluene	103		105		70-130	2		30
Ethylbenzene	102		104		70-130	2		30
Chloromethane	84		85		52-130	1		30
Bromomethane	166	Q	168	Q	57-147	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08-16 Batch: WG1475637-3 WG1475637-4								
Vinyl chloride	110		108		67-130	2		30
Chloroethane	141		142		50-151	1		30
1,1-Dichloroethene	95		93		65-135	2		30
trans-1,2-Dichloroethene	94		92		70-130	2		30
Trichloroethene	92		90		70-130	2		30
1,2-Dichlorobenzene	107		108		70-130	1		30
1,3-Dichlorobenzene	106		109		70-130	3		30
1,4-Dichlorobenzene	106		108		70-130	2		30
Methyl tert butyl ether	91		89		66-130	2		30
p/m-Xylene	99		101		70-130	2		30
o-Xylene	98		101		70-130	3		30
cis-1,2-Dichloroethene	98		96		70-130	2		30
Dibromomethane	93		92		70-130	1		30
Styrene	103		105		70-130	2		30
Dichlorodifluoromethane	93		90		30-146	3		30
Acetone	103		103		54-140	0		30
Carbon disulfide	89		87		59-130	2		30
2-Butanone	90		96		70-130	6		30
Vinyl acetate	91		90		70-130	1		30
4-Methyl-2-pentanone	96		101		70-130	5		30
1,2,3-Trichloropropane	118		120		68-130	2		30
2-Hexanone	97		99		70-130	2		30
Bromochloromethane	92		89		70-130	3		30



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08-16 Batch: WG1475637-3 WG1475637-4								
2,2-Dichloropropane	80		80		70-130	0		30
1,2-Dibromoethane	102		104		70-130	2		30
1,3-Dichloropropane	116		117		69-130	1		30
1,1,1,2-Tetrachloroethane	107		112		70-130	5		30
Bromobenzene	108		109		70-130	1		30
n-Butylbenzene	113		114		70-130	1		30
sec-Butylbenzene	110		111		70-130	1		30
tert-Butylbenzene	109		112		70-130	3		30
o-Chlorotoluene	110		112		70-130	2		30
p-Chlorotoluene	110		112		70-130	2		30
1,2-Dibromo-3-chloropropane	105		108		68-130	3		30
Hexachlorobutadiene	90		95		67-130	5		30
Isopropylbenzene	111		111		70-130	0		30
p-Isopropyltoluene	108		110		70-130	2		30
Naphthalene	112		116		70-130	4		30
Acrylonitrile	97		95		70-130	2		30
n-Propylbenzene	110		112		70-130	2		30
1,2,3-Trichlorobenzene	99		105		70-130	6		30
1,2,4-Trichlorobenzene	97		100		70-130	3		30
1,3,5-Trimethylbenzene	109		109		70-130	0		30
1,2,4-Trimethylbenzene	109		110		70-130	1		30
1,4-Dioxane	106		111		65-136	5		30
p-Diethylbenzene	110		111		70-130	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08-16 Batch: WG1475637-3 WG1475637-4								
p-Ethyltoluene	110		112		70-130	2		30
1,2,4,5-Tetramethylbenzene	108		110		70-130	2		30
Ethyl ether	96		96		67-130	0		30
trans-1,4-Dichloro-2-butene	115		118		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		93		70-130
Toluene-d8	107		108		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	98		95		70-130

# SEMIVOLATILES

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-01  
 Client ID: SB-1 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:05  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/17/21 00:31  
 Analyst: SZ  
 Percent Solids: 92%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 16:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	18.	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	510		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-01  
 Client ID: SB-1 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:05  
 Date Received: 03/10/21  
 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	38.	1
Benzo(a)anthracene	240		ug/kg	110	20.	1
Benzo(a)pyrene	250		ug/kg	140	44.	1
Benzo(b)fluoranthene	320		ug/kg	110	30.	1
Benzo(k)fluoranthene	140		ug/kg	110	29.	1
Chrysene	290		ug/kg	110	19.	1
Acenaphthylene	52	J	ug/kg	140	28.	1
Anthracene	54	J	ug/kg	110	35.	1
Benzo(ghi)perylene	140		ug/kg	140	21.	1
Fluorene	18	J	ug/kg	180	17.	1
Phenanthrene	300		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	30	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	150		ug/kg	140	25.	1
Pyrene	430		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
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	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-01  
 Client ID: SB-1 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:05  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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	50	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	96		25-120
Phenol-d6	101		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	104		10-136
4-Terphenyl-d14	72		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-02  
 Client ID: SB-1 (3-5)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:10  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/16/21 09:39  
 Analyst: JRW  
 Percent Solids: 93%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 16:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	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	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	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	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	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-02  
 Client ID: SB-1 (3-5)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:10  
 Date Received: 03/10/21  
 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	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	40.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	34.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	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	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	84.	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	ND		ug/kg	250	27.	1



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-02  
 Client ID: SB-1 (3-5)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:10  
 Date Received: 03/10/21  
 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	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	76		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-03  
 Client ID: SB-2 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:25  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/17/21 01:20  
 Analyst: SZ  
 Percent Solids: 94%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 16:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		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	410		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	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	25.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-03  
**Client ID:** SB-2 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:25  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	240		ug/kg	100	19.	1
Benzo(a)pyrene	230		ug/kg	140	42.	1
Benzo(b)fluoranthene	280		ug/kg	100	29.	1
Benzo(k)fluoranthene	100		ug/kg	100	28.	1
Chrysene	240		ug/kg	100	18.	1
Acenaphthylene	34	J	ug/kg	140	26.	1
Anthracene	65	J	ug/kg	100	34.	1
Benzo(ghi)perylene	280		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	220		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	33	J	ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	150		ug/kg	140	24.	1
Pyrene	360		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	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	ND		ug/kg	250	27.	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-03  
**Client ID:** SB-2 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:25  
**Date Received:** 03/10/21  
**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	22	J	ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	60		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-04  
 Client ID: SB-2 (3-5)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:30  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/16/21 08:12  
 Analyst: JRW  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 16:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	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	64.	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-04  
**Client ID:** SB-2 (3-5)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:30  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	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	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-04  
**Client ID:** SB-2 (3-5)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:30  
**Date Received:** 03/10/21  
**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	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	76		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-05  
 Client ID: SB-3 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 08:50  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/17/21 00:07  
 Analyst: SZ  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 16:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	620		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	23	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1



**Project Name:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-05  
 Client ID: SB-3 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 08:50  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	340		ug/kg	110	21.	1
Benzo(a)pyrene	370		ug/kg	150	46.	1
Benzo(b)fluoranthene	480		ug/kg	110	32.	1
Benzo(k)fluoranthene	200		ug/kg	110	30.	1
Chrysene	380		ug/kg	110	20.	1
Acenaphthylene	83	J	ug/kg	150	29.	1
Anthracene	68	J	ug/kg	110	37.	1
Benzo(ghi)perylene	240		ug/kg	150	22.	1
Fluorene	22	J	ug/kg	190	18.	1
Phenanthrene	340		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	56	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	240		ug/kg	150	26.	1
Pyrene	520		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	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	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	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	ND		ug/kg	270	29.	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-05  
**Client ID:** SB-3 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 08:50  
**Date Received:** 03/10/21  
**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	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	58	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	33		10-136
4-Terphenyl-d14	63		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-06  
 Client ID: SB-3 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 08:55  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/16/21 22:45  
 Analyst: JRW  
 Percent Solids: 82%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 16:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	130		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	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	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-06  
**Client ID:** SB-3 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 08:55  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	76	J	ug/kg	120	22.	1
Benzo(a)pyrene	64	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	86	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	38	J	ug/kg	120	31.	1
Chrysene	64	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	42	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	49	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	45	J	ug/kg	160	27.	1
Pyrene	110	J	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	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	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	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-06  
 Client ID: SB-3 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 08:55  
 Date Received: 03/10/21  
 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	60.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	58		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-07  
 Client ID: SB-3 (4-6)\_DUP  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:00  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/16/21 08:34  
 Analyst: JRW  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 16:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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	ND		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	220	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: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-07  
 Client ID: SB-3 (4-6)\_DUP  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:00  
 Date Received: 03/10/21  
 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	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		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	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	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:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-07  
 Client ID: SB-3 (4-6)\_DUP  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:00  
 Date Received: 03/10/21  
 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
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	72		18-120



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-08 D  
 Client ID: SB-4 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:00  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/16/21 23:43  
 Analyst: SZ  
 Percent Solids: 98%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 16:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	670	86.	5
1,2,4-Trichlorobenzene	ND		ug/kg	830	95.	5
Hexachlorobenzene	ND		ug/kg	500	93.	5
Bis(2-chloroethyl)ether	ND		ug/kg	750	110	5
2-Chloronaphthalene	ND		ug/kg	830	83.	5
1,2-Dichlorobenzene	ND		ug/kg	830	150	5
1,3-Dichlorobenzene	ND		ug/kg	830	140	5
1,4-Dichlorobenzene	ND		ug/kg	830	140	5
3,3'-Dichlorobenzidine	ND		ug/kg	830	220	5
2,4-Dinitrotoluene	ND		ug/kg	830	170	5
2,6-Dinitrotoluene	ND		ug/kg	830	140	5
Fluoranthene	2300		ug/kg	500	96.	5
4-Chlorophenyl phenyl ether	ND		ug/kg	830	89.	5
4-Bromophenyl phenyl ether	ND		ug/kg	830	130	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1000	140	5
Bis(2-chloroethoxy)methane	ND		ug/kg	900	84.	5
Hexachlorobutadiene	ND		ug/kg	830	120	5
Hexachlorocyclopentadiene	ND		ug/kg	2400	760	5
Hexachloroethane	ND		ug/kg	670	130	5
Isophorone	ND		ug/kg	750	110	5
Naphthalene	ND		ug/kg	830	100	5
Nitrobenzene	ND		ug/kg	750	120	5
NDPA/DPA	ND		ug/kg	670	95.	5
n-Nitrosodi-n-propylamine	ND		ug/kg	830	130	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	830	290	5
Butyl benzyl phthalate	ND		ug/kg	830	210	5
Di-n-butylphthalate	ND		ug/kg	830	160	5
Di-n-octylphthalate	ND		ug/kg	830	280	5

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-08 D

Date Collected: 03/10/21 11:00

Client ID: SB-4 (0-2)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

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	830	77.	5
Dimethyl phthalate	ND		ug/kg	830	180	5
Benzo(a)anthracene	1200		ug/kg	500	94.	5
Benzo(a)pyrene	1100		ug/kg	670	200	5
Benzo(b)fluoranthene	1400		ug/kg	500	140	5
Benzo(k)fluoranthene	460	J	ug/kg	500	130	5
Chrysene	1300		ug/kg	500	87.	5
Acenaphthylene	ND		ug/kg	670	130	5
Anthracene	300	J	ug/kg	500	160	5
Benzo(ghi)perylene	560	J	ug/kg	670	98.	5
Fluorene	ND		ug/kg	830	81.	5
Phenanthrene	1200		ug/kg	500	100	5
Dibenzo(a,h)anthracene	180	J	ug/kg	500	96.	5
Indeno(1,2,3-cd)pyrene	640	J	ug/kg	670	120	5
Pyrene	1800		ug/kg	500	83.	5
Biphenyl	ND		ug/kg	1900	190	5
4-Chloroaniline	ND		ug/kg	830	150	5
2-Nitroaniline	ND		ug/kg	830	160	5
3-Nitroaniline	ND		ug/kg	830	160	5
4-Nitroaniline	ND		ug/kg	830	340	5
Dibenzofuran	ND		ug/kg	830	79.	5
2-Methylnaphthalene	ND		ug/kg	1000	100	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	830	87.	5
Acetophenone	ND		ug/kg	830	100	5
2,4,6-Trichlorophenol	ND		ug/kg	500	160	5
p-Chloro-m-cresol	ND		ug/kg	830	120	5
2-Chlorophenol	ND		ug/kg	830	98.	5
2,4-Dichlorophenol	ND		ug/kg	750	130	5
2,4-Dimethylphenol	ND		ug/kg	830	280	5
2-Nitrophenol	ND		ug/kg	1800	310	5
4-Nitrophenol	ND		ug/kg	1200	340	5
2,4-Dinitrophenol	ND		ug/kg	4000	390	5
4,6-Dinitro-o-cresol	ND		ug/kg	2200	400	5
Pentachlorophenol	ND		ug/kg	670	180	5
Phenol	ND		ug/kg	830	120	5
2-Methylphenol	ND		ug/kg	830	130	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1200	130	5

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-08 D  
 Client ID: SB-4 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:00  
 Date Received: 03/10/21  
 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	830	160	5
Benzoic Acid	ND		ug/kg	2700	840	5
Benzyl Alcohol	ND		ug/kg	830	260	5
Carbazole	100	J	ug/kg	830	81.	5
1,4-Dioxane	ND		ug/kg	120	38.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	66		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-09  
**Client ID:** SB-4 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:05  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/16/21 23:29  
**Analyst:** JRW  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 16:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	18.	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	450		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-09  
 Client ID: SB-4 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:05  
 Date Received: 03/10/21  
 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	38.	1
Benzo(a)anthracene	320		ug/kg	110	20.	1
Benzo(a)pyrene	290		ug/kg	140	44.	1
Benzo(b)fluoranthene	350		ug/kg	110	30.	1
Benzo(k)fluoranthene	140		ug/kg	110	29.	1
Chrysene	280		ug/kg	110	19.	1
Acenaphthylene	78	J	ug/kg	140	28.	1
Anthracene	64	J	ug/kg	110	35.	1
Benzo(ghi)perylene	170		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	170		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	45	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	180		ug/kg	140	25.	1
Pyrene	410		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
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	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-09  
**Client ID:** SB-4 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:05  
**Date Received:** 03/10/21  
**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	21	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	52		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-10  
 Client ID: SB-5 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:35  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/16/21 08:56  
 Analyst: JRW  
 Percent Solids: 95%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 16:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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	31.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	46.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	60.	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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-10  
**Client ID:** SB-5 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 10:35  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	72.	1
Dibenzofuran	ND		ug/kg	180	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
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	71.	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:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-10  
 Client ID: SB-5 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:35  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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
1,4-Dioxane	ND		ug/kg	26	8.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	83		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-11  
 Client ID: SB-5 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/16/21 23:07  
 Analyst: JRW  
 Percent Solids: 95%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 16:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		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	500		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	30.	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	ND		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	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-11  
 Client ID: SB-5 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:40  
 Date Received: 03/10/21  
 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	260		ug/kg	100	19.	1
Benzo(a)pyrene	290		ug/kg	140	42.	1
Benzo(b)fluoranthene	400		ug/kg	100	29.	1
Benzo(k)fluoranthene	140		ug/kg	100	28.	1
Chrysene	270		ug/kg	100	18.	1
Acenaphthylene	53	J	ug/kg	140	27.	1
Anthracene	68	J	ug/kg	100	34.	1
Benzo(ghi)perylene	220		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	250		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	51	J	ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	230		ug/kg	140	24.	1
Pyrene	420		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	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		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	120	J	ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-11  
 Client ID: SB-5 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	46	J	ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		25-120
Phenol-d6	30		10-120
Nitrobenzene-d5	30		23-120
2-Fluorobiphenyl	<b>26</b>	Q	30-120
2,4,6-Tribromophenol	27		10-136
4-Terphenyl-d14	19		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-12  
 Client ID: SB-6 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:20  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/17/21 00:56  
 Analyst: SZ  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 16:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	33	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	3100		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	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	110	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	67.	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: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-12  
 Client ID: SB-6 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:20  
 Date Received: 03/10/21  
 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	1300		ug/kg	120	22.	1
Benzo(a)pyrene	1600		ug/kg	150	47.	1
Benzo(b)fluoranthene	2300		ug/kg	120	32.	1
Benzo(k)fluoranthene	910		ug/kg	120	31.	1
Chrysene	1800		ug/kg	120	20.	1
Acenaphthylene	270		ug/kg	150	30.	1
Anthracene	230		ug/kg	120	38.	1
Benzo(ghi)perylene	1100		ug/kg	150	23.	1
Fluorene	44	J	ug/kg	190	19.	1
Phenanthrene	1800		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	220		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	150	27.	1
Pyrene	2700		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	68	J	ug/kg	190	18.	1
2-Methylnaphthalene	30	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	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-12  
**Client ID:** SB-6 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:20  
**Date Received:** 03/10/21  
**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	270		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	57		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-12  
 Client ID: SB-6 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:20  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 03/22/21 04:03  
 Analyst: SG  
 Percent Solids: 86%

Extraction Method: ALPHA 23528  
 Extraction Date: 03/15/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	0.060	J	ng/g	0.524	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.056	J	ng/g	0.524	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.262	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.524	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.262	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.262	0.063	1
Perfluorooctanoic Acid (PFOA)	0.208	J	ng/g	0.262	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.524	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.524	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.262	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	0.366		ng/g	0.262	0.136	1
Perfluorodecanoic Acid (PFDA)	0.088	J	ng/g	0.262	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.524	0.301	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.524	0.211	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.524	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.524	0.160	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.524	0.103	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.524	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.524	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.524	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.524	0.057	1
PFOA/PFOS, Total	0.574	J	ng/g	0.262	0.044	1



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-12  
 Client ID: SB-6 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:20  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	69		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	175	Q	20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	170		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	24		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	61		24-159

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-13  
 Client ID: SB-6 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:25  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/16/21 07:51  
 Analyst: JRW  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 16:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		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	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		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	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-13  
 Client ID: SB-6 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:25  
 Date Received: 03/10/21  
 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	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	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	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-13  
**Client ID:** SB-6 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:25  
**Date Received:** 03/10/21  
**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	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	69		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-14  
 Client ID: SB-6 (7-9)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:30  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/16/21 07:29  
 Analyst: JRW  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 16:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	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	72.	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: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-14  
 Client ID: SB-6 (7-9)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:30  
 Date Received: 03/10/21  
 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	120	24.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	34.	1
Chrysene	ND		ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	120	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	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	170	29.	1
Pyrene	ND		ug/kg	120	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	120	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	79.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-14  
**Client ID:** SB-6 (7-9)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:30  
**Date Received:** 03/10/21  
**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
1,4-Dioxane	ND		ug/kg	31	9.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	74		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-15  
 Client ID: SB-7 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:45  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/16/21 10:01  
 Analyst: JRW  
 Percent Solids: 99%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 17:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	130	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	29.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	130	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	20.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	130	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.	1
Butyl benzyl phthalate	ND		ug/kg	170	42.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	57.	1



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-15  
**Client ID:** SB-7 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:45  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	35.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	28.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	17.	1
Acenaphthylene	ND		ug/kg	130	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	130	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	380	39.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	32.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	70.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	360	63.	1
4-Nitrophenol	ND		ug/kg	240	69.	1
2,4-Dinitrophenol	ND		ug/kg	810	78.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	81.	1
Pentachlorophenol	ND		ug/kg	130	37.	1
Phenol	ND		ug/kg	170	25.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-15  
 Client ID: SB-7 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:45  
 Date Received: 03/10/21  
 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	32.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	16.	1
1,4-Dioxane	ND		ug/kg	25	7.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	84		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-16  
 Client ID: SB-7 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:50  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 03/16/21 23:51  
 Analyst: JRW  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 17:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		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	32.	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	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	960		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	25	J	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	ND		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	ND		ug/kg	180	62.	1

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-16  
 Client ID: SB-7 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:50  
 Date Received: 03/10/21  
 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	510		ug/kg	110	21.	1
Benzo(a)pyrene	530		ug/kg	150	45.	1
Benzo(b)fluoranthene	770		ug/kg	110	31.	1
Benzo(k)fluoranthene	260		ug/kg	110	29.	1
Chrysene	530		ug/kg	110	19.	1
Acenaphthylene	170		ug/kg	150	28.	1
Anthracene	120		ug/kg	110	36.	1
Benzo(ghi)perylene	390		ug/kg	150	22.	1
Fluorene	31	J	ug/kg	180	18.	1
Phenanthrene	480		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	91	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	410		ug/kg	150	26.	1
Pyrene	780		ug/kg	110	18.	1
Biphenyl	ND		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	19	J	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	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	ND		ug/kg	260	29.	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-16  
**Client ID:** SB-7 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:50  
**Date Received:** 03/10/21  
**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	83	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	48		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-17  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/16/21 23:17  
 Analyst: WR

Extraction Method: EPA 3510C  
 Extraction Date: 03/16/21 03:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-17  
**Client ID:** FIELD BLANK  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:40  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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	70		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	86		41-149

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-17  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/17/21 00:05  
 Analyst: DV

Extraction Method: EPA 3510C  
 Extraction Date: 03/16/21 03:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
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	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	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	0.02	J	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	0.02	J	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	0.10	J	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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-17  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	81		41-149

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-17  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/17/21 12:44  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 03/13/21 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			39		15-110	

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-17  
**Client ID:** FIELD BLANK  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:40  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 03/23/21 21:50  
**Analyst:** HT

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 03/15/21 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.80	0.366	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.80	0.356	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.80	0.214	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.80	0.294	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.80	0.202	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.80	0.338	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.80	0.212	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.80	0.618	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.80	0.280	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.80	0.453	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.80	0.273	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	0.582	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.80	0.234	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	0.880	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.80	0.521	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.80	0.722	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.334	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.294	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.223	1
PFOA/PFOS, Total	ND		ng/l	1.80	0.212	1

**Project Name:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-17  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	112		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	117		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	120		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	113		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	112		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	122		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	111		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	134		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	122		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	110		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	114		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	116		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	82		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	104		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	100		22-136

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 03/16/21 13:51  
Analyst: PS

Extraction Method: EPA 3510C  
Extraction Date: 03/13/21 08:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 17 Batch: WG1474068-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	48		15-110

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 03/21/21 22:48  
**Analyst:** SG

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 03/15/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 12 Batch: WG1474393-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 03/21/21 22:48  
Analyst: SG

Extraction Method: ALPHA 23528  
Extraction Date: 03/15/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 12 Batch: WG1474393-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	77		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	117		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	<b>167</b>	Q	20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	174		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	114		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	80		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	111		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	99		24-159

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 03/22/21 18:45  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 03/15/21 10:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 12 Batch: WG1474393-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	106		10-117



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 03/19/21 12:47  
**Analyst:** RS

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 03/15/21 09:40

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 17 Batch: WG1474406-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 03/19/21 12:47  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 03/15/21 09:40

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 17 Batch: WG1474406-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	111		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	109		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	113		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	122		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	113		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	<b>161</b>	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	117		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	107		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	<b>184</b>	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	91		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	117		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	69		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93		22-136

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 03/15/21 17:07  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 03/15/21 10:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 15-16 Batch: WG1474521-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	29.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	25.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 03/15/21 17:07  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 03/15/21 10:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15-16 Batch: WG1474521-1					
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	27.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	39.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	32.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 03/15/21 17:07  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 03/15/21 10:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15-16 Batch: WG1474521-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	78.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	37.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	78		18-120

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 03/16/21 06:23  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 03/15/21 16:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG1474657-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	100	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 03/16/21 06:23  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 03/15/21 16:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG1474657-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	69.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 03/16/21 06:23  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 03/15/21 16:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG1474657-1					
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.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	83		18-120



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 03/16/21 20:31  
Analyst: WR

Extraction Method: EPA 3510C  
Extraction Date: 03/16/21 03:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1474780-1					
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 03/16/21 20:31  
Analyst: WR

Extraction Method: EPA 3510C  
Extraction Date: 03/16/21 03:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1474780-1					
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	ND		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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 03/16/21 20:31  
Analyst: WR

Extraction Method: EPA 3510C  
Extraction Date: 03/16/21 03:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1474780-1					
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	70		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	86		41-149

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 03/16/21 23:06  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 03/16/21 03:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 17 Batch: WG1474781-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	0.03	J	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	0.02	J	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	0.03	J	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	0.02	J	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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 03/16/21 23:06  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 03/16/21 03:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 17 Batch: WG1474781-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	85		41-149

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 17 Batch: WG1474068-2 WG1474068-3								
1,4-Dioxane	113		112		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	42		42		15-110

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 12 Batch: WG1474393-2								
Perfluorobutanoic Acid (PFBA)	108		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	112		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	106		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	111		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	104		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	104		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	108		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	115		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	111		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	124		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	110		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	102		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	109		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	119		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	106		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	117		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	106		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	103		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	102		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	100		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	109		-		69-133	-		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	Qual		Limits	
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 12 Batch: WG1474393-2									

Surrogate (Extracted Internal Standard)	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
Perfluoro[13C4]Butanoic Acid (MPFBA)	99				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	72				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	<b>155</b>	Q			20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	105				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	<b>179</b>	Q			19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	115				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	88				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	124				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	101				24-159



## Lab Control Sample Analysis

Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 12 Batch: WG1474393-2								
Perfluorooctanesulfonamide (FOSA)	110		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	101				10-117

## Lab Control Sample Analysis

### Batch Quality Control

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Lab Number: L2111885

Project Number: 197 CANAL STREET

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 17 Batch: WG1474406-2								
Perfluorobutanoic Acid (PFBA)	107		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	107		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	115		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	106		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	103		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	100		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	103		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	113		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	109		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	111		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	105		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	107		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	106		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	104		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	98		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	110		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	101		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	103		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	100		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	106		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	106		-		59-182	-		30

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Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	Qual		Limits	
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 17 Batch: WG1474406-2									

Surrogate (Extracted Internal Standard)	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
Perfluoro[13C4]Butanoic Acid (MPFBA)	107				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	81				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	105				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	117				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	106				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	<b>164</b>	Q			14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	<b>173</b>	Q			10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	93				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	115				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	72				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	90				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	103				22-136

## Lab Control Sample Analysis

### Batch Quality Control

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Project Number: 197 CANAL STREET

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16 Batch: WG1474521-2 WG1474521-3								
Acenaphthene	84		78		31-137	7		50
1,2,4-Trichlorobenzene	77		74		38-107	4		50
Hexachlorobenzene	84		78		40-140	7		50
Bis(2-chloroethyl)ether	79		73		40-140	8		50
2-Chloronaphthalene	85		80		40-140	6		50
1,2-Dichlorobenzene	74		70		40-140	6		50
1,3-Dichlorobenzene	71		67		40-140	6		50
1,4-Dichlorobenzene	72		70		28-104	3		50
3,3'-Dichlorobenzidine	78		74		40-140	5		50
2,4-Dinitrotoluene	91		82		40-132	10		50
2,6-Dinitrotoluene	90		82		40-140	9		50
Fluoranthene	90		83		40-140	8		50
4-Chlorophenyl phenyl ether	85		77		40-140	10		50
4-Bromophenyl phenyl ether	84		77		40-140	9		50
Bis(2-chloroisopropyl)ether	88		83		40-140	6		50
Bis(2-chloroethoxy)methane	83		79		40-117	5		50
Hexachlorobutadiene	75		73		40-140	3		50
Hexachlorocyclopentadiene	81		77		40-140	5		50
Hexachloroethane	76		72		40-140	5		50
Isophorone	82		78		40-140	5		50
Naphthalene	82		77		40-140	6		50
Nitrobenzene	81		76		40-140	6		50
NDPA/DPA	89		81		36-157	9		50

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16 Batch: WG1474521-2 WG1474521-3								
n-Nitrosodi-n-propylamine	85		80		32-121	6		50
Bis(2-ethylhexyl)phthalate	106		100		40-140	6		50
Butyl benzyl phthalate	102		96		40-140	6		50
Di-n-butylphthalate	102		96		40-140	6		50
Di-n-octylphthalate	109		104		40-140	5		50
Diethyl phthalate	89		83		40-140	7		50
Dimethyl phthalate	91		84		40-140	8		50
Benzo(a)anthracene	88		84		40-140	5		50
Benzo(a)pyrene	90		84		40-140	7		50
Benzo(b)fluoranthene	82		79		40-140	4		50
Benzo(k)fluoranthene	95		89		40-140	7		50
Chrysene	83		79		40-140	5		50
Acenaphthylene	87		80		40-140	8		50
Anthracene	87		82		40-140	6		50
Benzo(ghi)perylene	89		83		40-140	7		50
Fluorene	88		81		40-140	8		50
Phenanthrene	86		81		40-140	6		50
Dibenzo(a,h)anthracene	93		85		40-140	9		50
Indeno(1,2,3-cd)pyrene	94		86		40-140	9		50
Pyrene	89		82		35-142	8		50
Biphenyl	84		77		37-127	9		50
4-Chloroaniline	78		74		40-140	5		50
2-Nitroaniline	93		85		47-134	9		50

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16 Batch: WG1474521-2 WG1474521-3								
3-Nitroaniline	79		71		26-129	11		50
4-Nitroaniline	85		78		41-125	9		50
Dibenzofuran	85		79		40-140	7		50
2-Methylnaphthalene	85		78		40-140	9		50
1,2,4,5-Tetrachlorobenzene	82		76		40-117	8		50
Acetophenone	80		75		14-144	6		50
2,4,6-Trichlorophenol	87		81		30-130	7		50
p-Chloro-m-cresol	92		84		26-103	9		50
2-Chlorophenol	81		76		25-102	6		50
2,4-Dichlorophenol	89		84		30-130	6		50
2,4-Dimethylphenol	90		85		30-130	6		50
2-Nitrophenol	81		78		30-130	4		50
4-Nitrophenol	94		87		11-114	8		50
2,4-Dinitrophenol	79		73		4-130	8		50
4,6-Dinitro-o-cresol	87		80		10-130	8		50
Pentachlorophenol	88		79		17-109	11		50
Phenol	85		78		26-90	9		50
2-Methylphenol	88		84		30-130.	5		50
3-Methylphenol/4-Methylphenol	95		89		30-130	7		50
2,4,5-Trichlorophenol	92		85		30-130	8		50
Benzoic Acid	78		69		10-110	12		50
Benzyl Alcohol	88		81		40-140	8		50
Carbazole	87		82		54-128	6		50

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16 Batch: WG1474521-2 WG1474521-3								
1,4-Dioxane	49		48		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		73		25-120
Phenol-d6	85		79		10-120
Nitrobenzene-d5	81		75		23-120
2-Fluorobiphenyl	83		78		30-120
2,4,6-Tribromophenol	84		78		10-136
4-Terphenyl-d14	87		81		18-120

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG1474657-2 WG1474657-3								
Acenaphthene	89		94		31-137	5		50
1,2,4-Trichlorobenzene	83		88		38-107	6		50
Hexachlorobenzene	87		92		40-140	6		50
Bis(2-chloroethyl)ether	81		87		40-140	7		50
2-Chloronaphthalene	90		92		40-140	2		50
1,2-Dichlorobenzene	79		86		40-140	8		50
1,3-Dichlorobenzene	76		82		40-140	8		50
1,4-Dichlorobenzene	77		82		28-104	6		50
3,3'-Dichlorobenzidine	63		67		40-140	6		50
2,4-Dinitrotoluene	92		97		40-132	5		50
2,6-Dinitrotoluene	90		95		40-140	5		50
Fluoranthene	93		97		40-140	4		50
4-Chlorophenyl phenyl ether	87		92		40-140	6		50
4-Bromophenyl phenyl ether	89		95		40-140	7		50
Bis(2-chloroisopropyl)ether	94		99		40-140	5		50
Bis(2-chloroethoxy)methane	87		90		40-117	3		50
Hexachlorobutadiene	85		90		40-140	6		50
Hexachlorocyclopentadiene	88		91		40-140	3		50
Hexachloroethane	83		88		40-140	6		50
Isophorone	86		88		40-140	2		50
Naphthalene	87		92		40-140	6		50
Nitrobenzene	87		90		40-140	3		50
NDPA/DPA	90		95		36-157	5		50



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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG1474657-2 WG1474657-3								
n-Nitrosodi-n-propylamine	89		92		32-121	3		50
Bis(2-ethylhexyl)phthalate	116		118		40-140	2		50
Butyl benzyl phthalate	106		110		40-140	4		50
Di-n-butylphthalate	108		110		40-140	2		50
Di-n-octylphthalate	118		122		40-140	3		50
Diethyl phthalate	96		99		40-140	3		50
Dimethyl phthalate	96		98		40-140	2		50
Benzo(a)anthracene	93		94		40-140	1		50
Benzo(a)pyrene	95		99		40-140	4		50
Benzo(b)fluoranthene	95		97		40-140	2		50
Benzo(k)fluoranthene	93		98		40-140	5		50
Chrysene	92		95		40-140	3		50
Acenaphthylene	90		93		40-140	3		50
Anthracene	92		95		40-140	3		50
Benzo(ghi)perylene	92		95		40-140	3		50
Fluorene	92		96		40-140	4		50
Phenanthrene	89		93		40-140	4		50
Dibenzo(a,h)anthracene	96		99		40-140	3		50
Indeno(1,2,3-cd)pyrene	97		98		40-140	1		50
Pyrene	92		95		35-142	3		50
Biphenyl	86		89		37-127	3		50
4-Chloroaniline	85		87		40-140	2		50
2-Nitroaniline	93		96		47-134	3		50

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG1474657-2 WG1474657-3								
3-Nitroaniline	54		61		26-129	12		50
4-Nitroaniline	80		87		41-125	8		50
Dibenzofuran	90		95		40-140	5		50
2-Methylnaphthalene	89		93		40-140	4		50
1,2,4,5-Tetrachlorobenzene	87		90		40-117	3		50
Acetophenone	85		89		14-144	5		50
2,4,6-Trichlorophenol	93		95		30-130	2		50
p-Chloro-m-cresol	94		98		26-103	4		50
2-Chlorophenol	88		91		25-102	3		50
2,4-Dichlorophenol	93		96		30-130	3		50
2,4-Dimethylphenol	93		96		30-130	3		50
2-Nitrophenol	88		92		30-130	4		50
4-Nitrophenol	91		98		11-114	7		50
2,4-Dinitrophenol	85		88		4-130	3		50
4,6-Dinitro-o-cresol	90		97		10-130	7		50
Pentachlorophenol	92		98		17-109	6		50
Phenol	90		93	Q	26-90	3		50
2-Methylphenol	90		94		30-130	4		50
3-Methylphenol/4-Methylphenol	95		99		30-130	4		50
2,4,5-Trichlorophenol	95		98		30-130	3		50
Benzoic Acid	79		81		10-110	3		50
Benzyl Alcohol	92		95		40-140	3		50
Carbazole	91		95		54-128	4		50

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG1474657-2 WG1474657-3								
1,4-Dioxane	52		58		40-140	11		50

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

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1474780-2 WG1474780-3								
Acenaphthene	69		75		37-111	8		30
1,2,4-Trichlorobenzene	66		76		39-98	14		30
Hexachlorobenzene	75		79		40-140	5		30
Bis(2-chloroethyl)ether	67		78		40-140	15		30
2-Chloronaphthalene	69		78		40-140	12		30
1,2-Dichlorobenzene	64		73		40-140	13		30
1,3-Dichlorobenzene	60		70		40-140	15		30
1,4-Dichlorobenzene	61		72		36-97	17		30
3,3'-Dichlorobenzidine	62		74		40-140	18		30
2,4-Dinitrotoluene	86		93		48-143	8		30
2,6-Dinitrotoluene	89		97		40-140	9		30
Fluoranthene	80		87		40-140	8		30
4-Chlorophenyl phenyl ether	72		77		40-140	7		30
4-Bromophenyl phenyl ether	74		80		40-140	8		30
Bis(2-chloroisopropyl)ether	62		72		40-140	15		30
Bis(2-chloroethoxy)methane	72		80		40-140	11		30
Hexachlorobutadiene	72		80		40-140	11		30
Hexachlorocyclopentadiene	76		88		40-140	15		30
Hexachloroethane	69		79		40-140	14		30
Isophorone	70		80		40-140	13		30
Naphthalene	67		76		40-140	13		30
Nitrobenzene	82		118		40-140	36	Q	30
NDPA/DPA	74		82		40-140	10		30

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1474780-2 WG1474780-3								
n-Nitrosodi-n-propylamine	77		86		29-132	11		30
Bis(2-ethylhexyl)phthalate	87		98		40-140	12		30
Butyl benzyl phthalate	90		97		40-140	7		30
Di-n-butylphthalate	81		88		40-140	8		30
Di-n-octylphthalate	92		102		40-140	10		30
Diethyl phthalate	78		85		40-140	9		30
Dimethyl phthalate	78		88		40-140	12		30
Benzo(a)anthracene	82		93		40-140	13		30
Benzo(a)pyrene	95		104		40-140	9		30
Benzo(b)fluoranthene	86		92		40-140	7		30
Benzo(k)fluoranthene	88		100		40-140	13		30
Chrysene	79		89		40-140	12		30
Acenaphthylene	76		86		45-123	12		30
Anthracene	79		84		40-140	6		30
Benzo(ghi)perylene	86		91		40-140	6		30
Fluorene	72		78		40-140	8		30
Phenanthrene	76		83		40-140	9		30
Dibenzo(a,h)anthracene	84		87		40-140	4		30
Indeno(1,2,3-cd)pyrene	84		87		40-140	4		30
Pyrene	79		85		26-127	7		30
Biphenyl	73		82		40-140	12		30
4-Chloroaniline	44		46		40-140	4		30
2-Nitroaniline	86		94		52-143	9		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1474780-2 WG1474780-3								
3-Nitroaniline	60		66		25-145	10		30
4-Nitroaniline	75		83		51-143	10		30
Dibenzofuran	71		77		40-140	8		30
2-Methylnaphthalene	71		79		40-140	11		30
1,2,4,5-Tetrachlorobenzene	74		84		2-134	13		30
Acetophenone	71		81		39-129	13		30
2,4,6-Trichlorophenol	87		99		30-130	13		30
p-Chloro-m-cresol	82		89		23-97	8		30
2-Chlorophenol	71		82		27-123	14		30
2,4-Dichlorophenol	76		88		30-130	15		30
2,4-Dimethylphenol	71		80		30-130	12		30
2-Nitrophenol	96		107		30-130	11		30
4-Nitrophenol	72		78		10-80	8		30
2,4-Dinitrophenol	101		117		20-130	15		30
4,6-Dinitro-o-cresol	98		108		20-164	10		30
Pentachlorophenol	88		95		9-103	8		30
Phenol	57		65		12-110	13		30
2-Methylphenol	70		79		30-130	12		30
3-Methylphenol/4-Methylphenol	69		78		30-130	12		30
2,4,5-Trichlorophenol	83		93		30-130	11		30
Benzoic Acid	66		75		10-164	13		30
Benzyl Alcohol	65		76		26-116	16		30
Carbazole	80		88		55-144	10		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1474780-2 WG1474780-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		78		21-120
Phenol-d6	58		66		10-120
Nitrobenzene-d5	83		99		23-120
2-Fluorobiphenyl	75		84		15-120
2,4,6-Tribromophenol	87		95		10-120
4-Terphenyl-d14	78		87		41-149

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 17 Batch: WG1474781-2 WG1474781-3								
Acenaphthene	62		69		40-140	11		40
2-Chloronaphthalene	67		75		40-140	11		40
Fluoranthene	79		81		40-140	3		40
Hexachlorobutadiene	53		62		40-140	16		40
Naphthalene	57		65		40-140	13		40
Benzo(a)anthracene	74		74		40-140	0		40
Benzo(a)pyrene	79		76		40-140	4		40
Benzo(b)fluoranthene	78		74		40-140	5		40
Benzo(k)fluoranthene	81		81		40-140	0		40
Chrysene	81		77		40-140	5		40
Acenaphthylene	64		70		40-140	9		40
Anthracene	73		76		40-140	4		40
Benzo(ghi)perylene	76		75		40-140	1		40
Fluorene	67		72		40-140	7		40
Phenanthrene	66		69		40-140	4		40
Dibenzo(a,h)anthracene	83		81		40-140	2		40
Indeno(1,2,3-cd)pyrene	76		74		40-140	3		40
Pyrene	80		80		40-140	0		40
2-Methylnaphthalene	60		67		40-140	11		40
Pentachlorophenol	77		84		40-140	9		40
Hexachlorobenzene	62		67		40-140	8		40
Hexachloroethane	53		63		40-140	17		40



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 17 Batch: WG1474781-2 WG1474781-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	46		54		21-120
Phenol-d6	43		50		10-120
Nitrobenzene-d5	59		68		23-120
2-Fluorobiphenyl	63		74		15-120
2,4,6-Tribromophenol	88		94		10-120
4-Terphenyl-d14	84		84		41-149

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 197 CANAL STREET

**Lab Number:** L2111885

**Project Number:** 197 CANAL STREET

**Report Date:** 03/24/21

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1474393-3 WG1474393-4 QC Sample: L2112000-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.79	6.22	107		5.95	106		71-135	4		30
Perfluoropentanoic Acid (PFPeA)	ND	5.79	6.20	107		6.12	109		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	ND	5.14	5.31	103		5.22	105		72-128	2		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.42	5.77	106		5.64	108		62-145	2		30
Perfluorohexanoic Acid (PFHxA)	ND	5.79	6.50	112		6.02	108		70-132	8		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.44	5.14	94		5.00	95		73-123	3		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.79	6.08	105		5.85	105		71-131	4		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.29	5.25	99		5.13	100		67-130	2		30
Perfluorooctanoic Acid (PFOA)	ND	5.79	6.17	107		5.98	107		69-133	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.51	6.29	114		6.24	117		64-140	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.51	6.08	110		6.08	114		70-132	0		30
Perfluorononanoic Acid (PFNA)	ND	5.79	6.92	119		6.58	118		72-129	5		30
Perfluorooctanesulfonic Acid (PFOS)	ND	5.38	5.90	110		5.76	111		68-136	2		30
Perfluorodecanoic Acid (PFDA)	ND	5.79	6.35	110		6.19	111		69-133	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.56	6.32	114		6.09	113		65-137	4		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.57	6.24	112		6.03	112		69-125	3		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.79	6.06	105		6.76	121		63-144	11		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.79	6.53	113		6.22	111		64-136	5		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.58	6.77	121		6.50	121		59-134	4		30
Perfluorooctanesulfonamide (FOSA)	ND	5.79	6.07	105		6.08	109		67-137	0		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.79	6.26	108		5.76	103		61-139	8		30
Perfluorododecanoic Acid (PFDoA)	ND	5.79	6.45	111		5.78	103		69-135	11		30

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 197 CANAL STREET

**Lab Number:** L2111885

**Project Number:** 197 CANAL STREET

**Report Date:** 03/24/21

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1474393-3 WG1474393-4 QC Sample: L2112000-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.79	5.58	96		6.19	111		66-139	10		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.79	6.86	118		6.07	109		69-133	12		30

<b>Surrogate (Extracted Internal Standard)</b>	<b>MS % Recovery</b>	<b>Qualifier</b>	<b>MSD % Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</b>
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	203	Q	190	Q	19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	133		126		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	183	Q	170	Q	20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	75		79		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	82		71		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		108		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		95		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81		81		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		92		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110		108		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	109		114		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		93		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		94		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	68		66		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	88		75		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		99		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		93		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83		82		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		98		74-139

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 197 CANAL STREET

**Lab Number:** L2111885

**Project Number:** 197 CANAL STREET

**Report Date:** 03/24/21

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 17 QC Batch ID: WG1474406-3 QC Sample: L2111965-09 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.548J	37.6	40.7	107		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	ND	37.6	41.3	110		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	33.4	38.6	115		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.2	40.5	115		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	ND	37.6	39.7	105		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	0.740JF	35.4	34.5	95		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	37.6	38.0	101		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	34.4	35.3	103		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	ND	37.6	40.5	108		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	35.8	41.0	114		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.8	39.7	111		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	37.6	43.4	115		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	34.9	37.2	107		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	37.6	40.4	107		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36.1	40.9	113		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.2	39.3	109		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.6	46.0	122		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.6	35.8	95		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.3	40.6	112		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	37.6	38.8	103		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37.6	40.6	108		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	37.6	37.3	99		-	-		67-153	-		30

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 197 CANAL STREET

**Lab Number:** L2111885

**Project Number:** 197 CANAL STREET

**Report Date:** 03/24/21

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 17 QC Batch ID: WG1474406-3 QC Sample: L2111965-09 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTTrDA)	ND	37.6	41.0	109		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTTA)	ND	37.6	43.4	115		-	-		59-182	-		30

<b>Surrogate (Extracted Internal Standard)</b>	<b>MS % Recovery</b>	<b>MS Qualifier</b>	<b>MSD % Recovery</b>	<b>MSD Qualifier</b>	<b>Acceptance Criteria</b>
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	157				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	144	Q			12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	141				14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	83				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUOA)	113				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	103				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	108				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	104				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	47				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102				70-131

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 17 QC Batch ID: WG1474406-4 QC Sample: L2111965-10 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	0.716J	0.784J	ng/l	NC		30
Perfluoropentanoic Acid (PFPeA)	0.558J	0.604J	ng/l	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	1.04JF	1.14JF	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

## Lab Duplicate Analysis

Batch Quality Control

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 17 QC Batch ID: WG1474406-4 QC Sample: L2111965-10 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
PFOA/PFOS, Total	ND	ND	ng/l	NC		30
PFAS, Total (5)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		105		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	80		83		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		103		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	142		141		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	107		110		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	112		114		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	115		120		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		106		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	116		124		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		98		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		114		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		105		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	146		160		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		96		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		117		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	52		58		10-112

## Lab Duplicate Analysis

Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 17 QC Batch ID: WG1474406-4 QC Sample: L2111965-10 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		80		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		109		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		100		22-136



# PCBS

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-01  
**Client ID:** SB-1 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 10:05  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/16/21 13:33  
**Analyst:** CW  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:11  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/16/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	34.9	3.10	1	A
Aroclor 1221	ND		ug/kg	34.9	3.50	1	A
Aroclor 1232	ND		ug/kg	34.9	7.41	1	A
Aroclor 1242	ND		ug/kg	34.9	4.71	1	A
Aroclor 1248	ND		ug/kg	34.9	5.24	1	A
Aroclor 1254	82.2		ug/kg	34.9	3.82	1	B
Aroclor 1260	ND		ug/kg	34.9	6.46	1	A
Aroclor 1262	ND		ug/kg	34.9	4.44	1	A
Aroclor 1268	ND		ug/kg	34.9	3.62	1	A
PCBs, Total	82.2		ug/kg	34.9	3.10	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	64		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-02  
**Client ID:** SB-1 (3-5)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 10:10  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/16/21 13:41  
**Analyst:** CW  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:11  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/16/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	34.1	3.02	1	A
Aroclor 1221	ND		ug/kg	34.1	3.41	1	A
Aroclor 1232	ND		ug/kg	34.1	7.22	1	A
Aroclor 1242	ND		ug/kg	34.1	4.59	1	A
Aroclor 1248	ND		ug/kg	34.1	5.11	1	A
Aroclor 1254	ND		ug/kg	34.1	3.73	1	A
Aroclor 1260	ND		ug/kg	34.1	6.30	1	A
Aroclor 1262	ND		ug/kg	34.1	4.33	1	A
Aroclor 1268	ND		ug/kg	34.1	3.53	1	A
PCBs, Total	ND		ug/kg	34.1	3.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	65		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-03  
**Client ID:** SB-2 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:25  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/16/21 13:50  
**Analyst:** CW  
**Percent Solids:** 94%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:11  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/16/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	34.0	3.01	1	A
Aroclor 1221	ND		ug/kg	34.0	3.40	1	A
Aroclor 1232	ND		ug/kg	34.0	7.20	1	A
Aroclor 1242	ND		ug/kg	34.0	4.58	1	A
Aroclor 1248	ND		ug/kg	34.0	5.09	1	A
Aroclor 1254	ND		ug/kg	34.0	3.71	1	A
Aroclor 1260	ND		ug/kg	34.0	6.27	1	A
Aroclor 1262	ND		ug/kg	34.0	4.31	1	A
Aroclor 1268	ND		ug/kg	34.0	3.52	1	A
PCBs, Total	ND		ug/kg	34.0	3.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	62		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-04  
**Client ID:** SB-2 (3-5)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:30  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/16/21 14:29  
**Analyst:** JAW  
**Percent Solids:** 87%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:11  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/16/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	37.8	3.35	1	A
Aroclor 1221	ND		ug/kg	37.8	3.78	1	A
Aroclor 1232	ND		ug/kg	37.8	8.00	1	A
Aroclor 1242	ND		ug/kg	37.8	5.09	1	A
Aroclor 1248	ND		ug/kg	37.8	5.66	1	A
Aroclor 1254	ND		ug/kg	37.8	4.13	1	B
Aroclor 1260	ND		ug/kg	37.8	6.98	1	A
Aroclor 1262	ND		ug/kg	37.8	4.80	1	A
Aroclor 1268	ND		ug/kg	37.8	3.91	1	A
PCBs, Total	ND		ug/kg	37.8	3.35	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	A
Decachlorobiphenyl	29	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	33		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-05  
**Client ID:** SB-3 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 08:50  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/16/21 14:05  
**Analyst:** CW  
**Percent Solids:** 88%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:12  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/16/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	37.4	3.32	1	A
Aroclor 1221	ND		ug/kg	37.4	3.75	1	A
Aroclor 1232	ND		ug/kg	37.4	7.93	1	A
Aroclor 1242	ND		ug/kg	37.4	5.04	1	A
Aroclor 1248	ND		ug/kg	37.4	5.61	1	A
Aroclor 1254	284		ug/kg	37.4	4.09	1	B
Aroclor 1260	ND		ug/kg	37.4	6.91	1	A
Aroclor 1262	ND		ug/kg	37.4	4.75	1	A
Aroclor 1268	ND		ug/kg	37.4	3.88	1	A
PCBs, Total	284		ug/kg	37.4	3.32	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	49		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-06  
**Client ID:** SB-3 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 08:55  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/16/21 14:14  
**Analyst:** CW  
**Percent Solids:** 82%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:12  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/16/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	39.5	3.50	1	A
Aroclor 1221	ND		ug/kg	39.5	3.95	1	A
Aroclor 1232	ND		ug/kg	39.5	8.37	1	A
Aroclor 1242	ND		ug/kg	39.5	5.32	1	A
Aroclor 1248	ND		ug/kg	39.5	5.92	1	A
Aroclor 1254	38.8	J	ug/kg	39.5	4.32	1	A
Aroclor 1260	ND		ug/kg	39.5	7.29	1	A
Aroclor 1262	ND		ug/kg	39.5	5.01	1	A
Aroclor 1268	ND		ug/kg	39.5	4.09	1	A
PCBs, Total	38.8	J	ug/kg	39.5	3.50	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	60		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-07  
**Client ID:** SB-3 (4-6)\_DUP  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:00  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/16/21 14:23  
**Analyst:** CW  
**Percent Solids:** 84%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:12  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/16/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	39.7	3.52	1	A
Aroclor 1221	ND		ug/kg	39.7	3.97	1	A
Aroclor 1232	ND		ug/kg	39.7	8.41	1	A
Aroclor 1242	ND		ug/kg	39.7	5.35	1	A
Aroclor 1248	ND		ug/kg	39.7	5.95	1	A
Aroclor 1254	ND		ug/kg	39.7	4.34	1	A
Aroclor 1260	ND		ug/kg	39.7	7.33	1	A
Aroclor 1262	ND		ug/kg	39.7	5.04	1	A
Aroclor 1268	ND		ug/kg	39.7	4.11	1	A
PCBs, Total	ND		ug/kg	39.7	3.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	44		30-150	B



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-08  
**Client ID:** SB-4 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:00  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/16/21 14:31  
**Analyst:** CW  
**Percent Solids:** 98%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:12  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/16/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	32.4	2.88	1	A
Aroclor 1221	ND		ug/kg	32.4	3.24	1	A
Aroclor 1232	ND		ug/kg	32.4	6.87	1	A
Aroclor 1242	ND		ug/kg	32.4	4.37	1	A
Aroclor 1248	ND		ug/kg	32.4	4.86	1	A
Aroclor 1254	290		ug/kg	32.4	3.54	1	B
Aroclor 1260	ND		ug/kg	32.4	5.98	1	A
Aroclor 1262	ND		ug/kg	32.4	4.11	1	A
Aroclor 1268	29.5	J	ug/kg	32.4	3.36	1	B
PCBs, Total	320	J	ug/kg	32.4	2.88	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	108		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-09  
**Client ID:** SB-4 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:05  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/16/21 14:40  
**Analyst:** CW  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:12  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/16/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	35.5	3.15	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.53	1	A
Aroclor 1242	ND		ug/kg	35.5	4.79	1	A
Aroclor 1248	ND		ug/kg	35.5	5.33	1	A
Aroclor 1254	19.4	J	ug/kg	35.5	3.88	1	A
Aroclor 1260	11.3	J	ug/kg	35.5	6.56	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	30.7	J	ug/kg	35.5	3.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	67		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-10  
**Client ID:** SB-5 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 10:35  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/16/21 14:48  
**Analyst:** JAW  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:12  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/16/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	33.8	3.00	1	A
Aroclor 1221	ND		ug/kg	33.8	3.38	1	A
Aroclor 1232	ND		ug/kg	33.8	7.16	1	A
Aroclor 1242	ND		ug/kg	33.8	4.55	1	A
Aroclor 1248	ND		ug/kg	33.8	5.07	1	A
Aroclor 1254	ND		ug/kg	33.8	3.70	1	A
Aroclor 1260	ND		ug/kg	33.8	6.24	1	A
Aroclor 1262	ND		ug/kg	33.8	4.29	1	A
Aroclor 1268	ND		ug/kg	33.8	3.50	1	A
PCBs, Total	ND		ug/kg	33.8	3.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	55		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-11 D  
 Client ID: SB-5 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 03/17/21 10:51  
 Analyst: CW  
 Percent Solids: 95%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 18:12  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 03/16/21  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	170	15.1	5	A
Aroclor 1221	ND		ug/kg	170	17.0	5	A
Aroclor 1232	ND		ug/kg	170	36.0	5	A
Aroclor 1242	ND		ug/kg	170	22.9	5	A
Aroclor 1248	ND		ug/kg	170	25.5	5	A
Aroclor 1254	863		ug/kg	170	18.6	5	A
Aroclor 1260	ND		ug/kg	170	31.4	5	A
Aroclor 1262	ND		ug/kg	170	21.6	5	A
Aroclor 1268	ND		ug/kg	170	17.6	5	A
PCBs, Total	863		ug/kg	170	15.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	83		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-12  
**Client ID:** SB-6 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:20  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/16/21 15:05  
**Analyst:** JAW  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:12  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/16/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	36.7	3.26	1	A
Aroclor 1221	ND		ug/kg	36.7	3.68	1	A
Aroclor 1232	ND		ug/kg	36.7	7.79	1	A
Aroclor 1242	ND		ug/kg	36.7	4.95	1	A
Aroclor 1248	ND		ug/kg	36.7	5.51	1	A
Aroclor 1254	139		ug/kg	36.7	4.02	1	B
Aroclor 1260	ND		ug/kg	36.7	6.79	1	A
Aroclor 1262	ND		ug/kg	36.7	4.66	1	A
Aroclor 1268	ND		ug/kg	36.7	3.80	1	A
PCBs, Total	139		ug/kg	36.7	3.26	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	46		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-13  
**Client ID:** SB-6 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:25  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/16/21 15:14  
**Analyst:** JAW  
**Percent Solids:** 88%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:12  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/16/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	36.2	3.21	1	A
Aroclor 1221	ND		ug/kg	36.2	3.62	1	A
Aroclor 1232	ND		ug/kg	36.2	7.67	1	A
Aroclor 1242	ND		ug/kg	36.2	4.88	1	A
Aroclor 1248	ND		ug/kg	36.2	5.43	1	A
Aroclor 1254	ND		ug/kg	36.2	3.96	1	A
Aroclor 1260	ND		ug/kg	36.2	6.69	1	A
Aroclor 1262	ND		ug/kg	36.2	4.59	1	A
Aroclor 1268	ND		ug/kg	36.2	3.75	1	A
PCBs, Total	ND		ug/kg	36.2	3.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	37		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-14  
**Client ID:** SB-6 (7-9)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:30  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/16/21 15:22  
**Analyst:** JAW  
**Percent Solids:** 79%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:12  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/16/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	39.9	3.54	1	A
Aroclor 1221	ND		ug/kg	39.9	4.00	1	A
Aroclor 1232	ND		ug/kg	39.9	8.46	1	A
Aroclor 1242	ND		ug/kg	39.9	5.38	1	A
Aroclor 1248	ND		ug/kg	39.9	5.98	1	A
Aroclor 1254	ND		ug/kg	39.9	4.36	1	A
Aroclor 1260	ND		ug/kg	39.9	7.37	1	A
Aroclor 1262	ND		ug/kg	39.9	5.07	1	A
Aroclor 1268	ND		ug/kg	39.9	4.13	1	A
PCBs, Total	ND		ug/kg	39.9	3.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	48		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-15  
**Client ID:** SB-7 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:45  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/16/21 15:30  
**Analyst:** JAW  
**Percent Solids:** 99%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 22:55  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/16/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	32.6	2.90	1	A
Aroclor 1221	ND		ug/kg	32.6	3.27	1	A
Aroclor 1232	ND		ug/kg	32.6	6.92	1	A
Aroclor 1242	ND		ug/kg	32.6	4.40	1	A
Aroclor 1248	ND		ug/kg	32.6	4.90	1	A
Aroclor 1254	ND		ug/kg	32.6	3.57	1	A
Aroclor 1260	ND		ug/kg	32.6	6.03	1	A
Aroclor 1262	ND		ug/kg	32.6	4.14	1	A
Aroclor 1268	ND		ug/kg	32.6	3.38	1	A
PCBs, Total	ND		ug/kg	32.6	2.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	64		30-150	B



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-16 D  
 Client ID: SB-7 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:50  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 03/16/21 17:47  
 Analyst: JAW  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 22:55  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 03/16/21  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	181	16.1	5	A
Aroclor 1221	ND		ug/kg	181	18.2	5	A
Aroclor 1232	ND		ug/kg	181	38.4	5	A
Aroclor 1242	ND		ug/kg	181	24.4	5	A
Aroclor 1248	ND		ug/kg	181	27.2	5	A
Aroclor 1254	890		ug/kg	181	19.8	5	B
Aroclor 1260	ND		ug/kg	181	33.5	5	A
Aroclor 1262	ND		ug/kg	181	23.0	5	A
Aroclor 1268	ND		ug/kg	181	18.8	5	A
PCBs, Total	890		ug/kg	181	16.1	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	67		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-17  
**Client ID:** FIELD BLANK  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:40  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/15/21 18:25  
**Analyst:** JM

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/15/21 03:25  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/15/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/15/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	70		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 03/15/21 18:01  
Analyst: JM

Extraction Method: EPA 3510C  
Extraction Date: 03/15/21 03:25  
Cleanup Method: EPA 3665A  
Cleanup Date: 03/15/21  
Cleanup Method: EPA 3660B  
Cleanup Date: 03/15/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 17 Batch: WG1474367-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	93		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 03/16/21 08:14  
Analyst: SH

Extraction Method: EPA 3546  
Extraction Date: 03/15/21 18:11  
Cleanup Method: EPA 3665A  
Cleanup Date: 03/15/21  
Cleanup Method: EPA 3660B  
Cleanup Date: 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-14 Batch: WG1474708-1						
Aroclor 1016	ND		ug/kg	31.9	2.84	A
Aroclor 1221	ND		ug/kg	31.9	3.20	A
Aroclor 1232	ND		ug/kg	31.9	6.77	A
Aroclor 1242	ND		ug/kg	31.9	4.31	A
Aroclor 1248	ND		ug/kg	31.9	4.79	A
Aroclor 1254	ND		ug/kg	31.9	3.50	A
Aroclor 1260	ND		ug/kg	31.9	5.90	A
Aroclor 1262	ND		ug/kg	31.9	4.06	A
Aroclor 1268	ND		ug/kg	31.9	3.31	A
PCBs, Total	ND		ug/kg	31.9	2.84	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	63		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 03/16/21 14:27  
Analyst: JAW

Extraction Method: EPA 3546  
Extraction Date: 03/15/21 22:55  
Cleanup Method: EPA 3665A  
Cleanup Date: 03/16/21  
Cleanup Method: EPA 3660B  
Cleanup Date: 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 15-16 Batch: WG1474753-1						
Aroclor 1016	ND		ug/kg	32.1	2.85	A
Aroclor 1221	ND		ug/kg	32.1	3.21	A
Aroclor 1232	ND		ug/kg	32.1	6.80	A
Aroclor 1242	ND		ug/kg	32.1	4.32	A
Aroclor 1248	ND		ug/kg	32.1	4.81	A
Aroclor 1254	ND		ug/kg	32.1	3.51	A
Aroclor 1260	ND		ug/kg	32.1	5.93	A
Aroclor 1262	ND		ug/kg	32.1	4.07	A
Aroclor 1268	ND		ug/kg	32.1	3.32	A
PCBs, Total	ND		ug/kg	32.1	2.85	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	61		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 17 Batch: WG1474367-2 WG1474367-3									
Aroclor 1016	93		97		40-140	4		50	A
Aroclor 1260	69		72		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		95		30-150	A
Decachlorobiphenyl	62		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		106		30-150	B
Decachlorobiphenyl	86		92		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-14 Batch: WG1474708-2 WG1474708-3									
Aroclor 1016	76		71		40-140	7		50	A
Aroclor 1260	72		66		40-140	9		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		77		30-150	A
Decachlorobiphenyl	73		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		76		30-150	B
Decachlorobiphenyl	66		62		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 15-16 Batch: WG1474753-2 WG1474753-3									
Aroclor 1016	52		53		40-140	2		50	A
Aroclor 1260	42		42		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		54		30-150	A
Decachlorobiphenyl	42		41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		63		30-150	B
Decachlorobiphenyl	53		52		30-150	B



# PESTICIDES

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-01  
**Client ID:** SB-1 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 10:05  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/17/21 10:19  
**Analyst:** JMC  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:32  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.70	0.333	1	A
Lindane	ND		ug/kg	0.708	0.316	1	A
Alpha-BHC	ND		ug/kg	0.708	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.644	1	A
Heptachlor	ND		ug/kg	0.850	0.381	1	A
Aldrin	ND		ug/kg	1.70	0.598	1	A
Heptachlor epoxide	ND		ug/kg	3.19	0.956	1	A
Endrin	ND		ug/kg	0.708	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.744	1	A
Endrin ketone	ND		ug/kg	1.70	0.438	1	A
Dieldrin	ND		ug/kg	1.06	0.531	1	A
4,4'-DDE	ND		ug/kg	1.70	0.393	1	A
4,4'-DDD	ND		ug/kg	1.70	0.606	1	A
4,4'-DDT	ND		ug/kg	3.19	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.402	1	A
Endosulfan II	ND		ug/kg	1.70	0.568	1	A
Endosulfan sulfate	ND		ug/kg	0.708	0.337	1	A
Methoxychlor	ND		ug/kg	3.19	0.992	1	A
Toxaphene	ND		ug/kg	31.9	8.92	1	A
cis-Chlordane	ND		ug/kg	2.12	0.592	1	A
trans-Chlordane	ND		ug/kg	2.12	0.561	1	A
Chlordane	ND		ug/kg	14.2	5.63	1	A

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-01  
 Client ID: SB-1 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:05  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	57		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-02  
**Client ID:** SB-1 (3-5)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 10:10  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/17/21 11:25  
**Analyst:** JMC  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:32  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.696	0.311	1	A
Alpha-BHC	ND		ug/kg	0.696	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.634	1	A
Heptachlor	ND		ug/kg	0.836	0.374	1	A
Aldrin	ND		ug/kg	1.67	0.588	1	A
Heptachlor epoxide	ND		ug/kg	3.13	0.940	1	A
Endrin	ND		ug/kg	0.696	0.285	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.731	1	A
Endrin ketone	ND		ug/kg	1.67	0.430	1	A
Dieldrin	ND		ug/kg	1.04	0.522	1	A
4,4'-DDE	ND		ug/kg	1.67	0.386	1	A
4,4'-DDD	ND		ug/kg	1.67	0.596	1	A
4,4'-DDT	ND		ug/kg	3.13	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.395	1	A
Endosulfan II	ND		ug/kg	1.67	0.558	1	A
Endosulfan sulfate	ND		ug/kg	0.696	0.331	1	A
Methoxychlor	ND		ug/kg	3.13	0.975	1	A
Toxaphene	ND		ug/kg	31.3	8.77	1	A
cis-Chlordane	ND		ug/kg	2.09	0.582	1	A
trans-Chlordane	ND		ug/kg	2.09	0.551	1	A
Chlordane	ND		ug/kg	13.9	5.54	1	A

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-02  
 Client ID: SB-1 (3-5)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:10  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Organochlorine Pesticides by GC - Westborough Lab							
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Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	48		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-03  
**Client ID:** SB-2 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:25  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/17/21 10:30  
**Analyst:** JMC  
**Percent Solids:** 94%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:32  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.69	0.332	1	A
Lindane	ND		ug/kg	0.706	0.315	1	A
Alpha-BHC	ND		ug/kg	0.706	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.642	1	A
Heptachlor	ND		ug/kg	0.847	0.380	1	A
Aldrin	ND		ug/kg	1.69	0.596	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.953	1	A
Endrin	ND		ug/kg	0.706	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.741	1	A
Endrin ketone	ND		ug/kg	1.69	0.436	1	A
Dieldrin	ND		ug/kg	1.06	0.529	1	A
4,4'-DDE	2.02		ug/kg	1.69	0.392	1	A
4,4'-DDD	1.34	JP	ug/kg	1.69	0.604	1	B
4,4'-DDT	18.8		ug/kg	3.18	1.36	1	B
Endosulfan I	ND		ug/kg	1.69	0.400	1	A
Endosulfan II	ND		ug/kg	1.69	0.566	1	A
Endosulfan sulfate	ND		ug/kg	0.706	0.336	1	A
Methoxychlor	ND		ug/kg	3.18	0.988	1	A
Toxaphene	ND		ug/kg	31.8	8.89	1	A
cis-Chlordane	ND		ug/kg	2.12	0.590	1	A
trans-Chlordane	ND		ug/kg	2.12	0.559	1	A
Chlordane	ND		ug/kg	14.1	5.61	1	A

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-03  
 Client ID: SB-2 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:25  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	52		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-04  
**Client ID:** SB-2 (3-5)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:30  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/17/21 11:36  
**Analyst:** JMC  
**Percent Solids:** 87%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:32  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.79	0.350	1	A
Lindane	ND		ug/kg	0.744	0.333	1	A
Alpha-BHC	ND		ug/kg	0.744	0.211	1	A
Beta-BHC	ND		ug/kg	1.79	0.677	1	A
Heptachlor	ND		ug/kg	0.893	0.400	1	A
Aldrin	ND		ug/kg	1.79	0.629	1	A
Heptachlor epoxide	ND		ug/kg	3.35	1.00	1	A
Endrin	ND		ug/kg	0.744	0.305	1	A
Endrin aldehyde	ND		ug/kg	2.23	0.782	1	A
Endrin ketone	ND		ug/kg	1.79	0.460	1	A
Dieldrin	ND		ug/kg	1.12	0.558	1	A
4,4'-DDE	ND		ug/kg	1.79	0.413	1	A
4,4'-DDD	ND		ug/kg	1.79	0.637	1	A
4,4'-DDT	ND		ug/kg	3.35	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.422	1	A
Endosulfan II	ND		ug/kg	1.79	0.597	1	A
Endosulfan sulfate	ND		ug/kg	0.744	0.354	1	A
Methoxychlor	ND		ug/kg	3.35	1.04	1	A
Toxaphene	ND		ug/kg	33.5	9.38	1	A
cis-Chlordane	ND		ug/kg	2.23	0.622	1	A
trans-Chlordane	ND		ug/kg	2.23	0.590	1	A
Chlordane	ND		ug/kg	14.9	5.92	1	A



**Project Name:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-04

Date Collected: 03/10/21 11:30

Client ID: SB-2 (3-5)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	55		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-05  
**Client ID:** SB-3 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 08:50  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/17/21 10:41  
**Analyst:** JMC  
**Percent Solids:** 88%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:34  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.71	0.334	1	A
Lindane	ND		ug/kg	0.712	0.318	1	A
Alpha-BHC	ND		ug/kg	0.712	0.202	1	A
Beta-BHC	ND		ug/kg	1.71	0.648	1	A
Heptachlor	ND		ug/kg	0.854	0.383	1	A
Aldrin	ND		ug/kg	1.71	0.601	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.961	1	A
Endrin	ND		ug/kg	0.712	0.292	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.747	1	A
Endrin ketone	ND		ug/kg	1.71	0.440	1	A
Dieldrin	ND		ug/kg	1.07	0.534	1	A
4,4'-DDE	ND		ug/kg	1.71	0.395	1	A
4,4'-DDD	ND		ug/kg	1.71	0.609	1	A
4,4'-DDT	ND		ug/kg	3.20	1.37	1	A
Endosulfan I	ND		ug/kg	1.71	0.403	1	A
Endosulfan II	ND		ug/kg	1.71	0.571	1	A
Endosulfan sulfate	ND		ug/kg	0.712	0.339	1	A
Methoxychlor	ND		ug/kg	3.20	0.996	1	A
Toxaphene	ND		ug/kg	32.0	8.96	1	A
cis-Chlordane	ND		ug/kg	2.13	0.595	1	A
trans-Chlordane	ND		ug/kg	2.13	0.564	1	A
Chlordane	ND		ug/kg	14.2	5.66	1	A

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-05  
 Client ID: SB-3 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 08:50  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	70		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-06  
**Client ID:** SB-3 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 08:55  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/17/21 11:14  
**Analyst:** JMC  
**Percent Solids:** 82%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:34  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.90	0.372	1	A
Lindane	ND		ug/kg	0.792	0.354	1	A
Alpha-BHC	ND		ug/kg	0.792	0.225	1	A
Beta-BHC	ND		ug/kg	1.90	0.721	1	A
Heptachlor	ND		ug/kg	0.950	0.426	1	A
Aldrin	ND		ug/kg	1.90	0.669	1	A
Heptachlor epoxide	1.59	J	ug/kg	3.56	1.07	1	A
Endrin	ND		ug/kg	0.792	0.325	1	A
Endrin aldehyde	ND		ug/kg	2.38	0.832	1	A
Endrin ketone	ND		ug/kg	1.90	0.489	1	A
Dieldrin	ND		ug/kg	1.19	0.594	1	A
4,4'-DDE	3.55		ug/kg	1.90	0.440	1	A
4,4'-DDD	3.02		ug/kg	1.90	0.678	1	B
4,4'-DDT	13.1		ug/kg	3.56	1.53	1	B
Endosulfan I	ND		ug/kg	1.90	0.449	1	A
Endosulfan II	ND		ug/kg	1.90	0.635	1	A
Endosulfan sulfate	ND		ug/kg	0.792	0.377	1	A
Methoxychlor	ND		ug/kg	3.56	1.11	1	A
Toxaphene	ND		ug/kg	35.6	9.98	1	A
cis-Chlordane	13.3	P	ug/kg	2.38	0.662	1	A
trans-Chlordane	7.35		ug/kg	2.38	0.627	1	B
Chlordane	72.3	P	ug/kg	15.8	6.30	1	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-06  
 Client ID: SB-3 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 08:55  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	67		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-07  
 Client ID: SB-3 (4-6)\_DUP  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:00  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/17/21 11:47  
 Analyst: JMC  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 18:34  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.80	0.354	1	A
Lindane	ND		ug/kg	0.752	0.336	1	A
Alpha-BHC	ND		ug/kg	0.752	0.214	1	A
Beta-BHC	ND		ug/kg	1.80	0.685	1	A
Heptachlor	ND		ug/kg	0.903	0.405	1	A
Aldrin	ND		ug/kg	1.80	0.636	1	A
Heptachlor epoxide	ND		ug/kg	3.38	1.02	1	A
Endrin	ND		ug/kg	0.752	0.308	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.790	1	A
Endrin ketone	ND		ug/kg	1.80	0.465	1	A
Dieldrin	ND		ug/kg	1.13	0.564	1	A
4,4'-DDE	ND		ug/kg	1.80	0.418	1	B
4,4'-DDD	ND		ug/kg	1.80	0.644	1	A
4,4'-DDT	ND		ug/kg	3.38	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.426	1	A
Endosulfan II	ND		ug/kg	1.80	0.603	1	A
Endosulfan sulfate	ND		ug/kg	0.752	0.358	1	A
Methoxychlor	ND		ug/kg	3.38	1.05	1	A
Toxaphene	ND		ug/kg	33.8	9.48	1	A
cis-Chlordane	1.17	J	ug/kg	2.26	0.629	1	A
trans-Chlordane	0.776	J	ug/kg	2.26	0.596	1	A
Chlordane	ND		ug/kg	15.0	5.98	1	A

**Project Name:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-07  
 Client ID: SB-3 (4-6)\_DUP  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:00  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	46		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-08 D  
 Client ID: SB-4 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:00  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/17/21 09:57  
 Analyst: JMC  
 Percent Solids: 98%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 18:34  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	8.02	1.57	5	A
Lindane	ND		ug/kg	3.34	1.49	5	A
Alpha-BHC	ND		ug/kg	3.34	0.949	5	A
Beta-BHC	ND		ug/kg	8.02	3.04	5	A
Heptachlor	ND		ug/kg	4.01	1.80	5	A
Aldrin	ND		ug/kg	8.02	2.82	5	A
Heptachlor epoxide	ND		ug/kg	15.0	4.51	5	A
Endrin	ND		ug/kg	3.34	1.37	5	A
Endrin aldehyde	ND		ug/kg	10.0	3.51	5	A
Endrin ketone	ND		ug/kg	8.02	2.06	5	A
Dieldrin	ND		ug/kg	5.01	2.50	5	A
4,4'-DDE	ND		ug/kg	8.02	1.85	5	A
4,4'-DDD	ND		ug/kg	8.02	2.86	5	A
4,4'-DDT	ND		ug/kg	15.0	6.45	5	A
Endosulfan I	ND		ug/kg	8.02	1.89	5	A
Endosulfan II	ND		ug/kg	8.02	2.68	5	A
Endosulfan sulfate	ND		ug/kg	3.34	1.59	5	A
Methoxychlor	ND		ug/kg	15.0	4.68	5	A
Toxaphene	ND		ug/kg	150	42.1	5	A
cis-Chlordane	ND		ug/kg	10.0	2.79	5	A
trans-Chlordane	ND		ug/kg	10.0	2.64	5	A
Chlordane	ND		ug/kg	66.8	26.6	5	A



**Project Name:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-08 D

Date Collected: 03/10/21 11:00

Client ID: SB-4 (0-2)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	121		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-09  
**Client ID:** SB-4 (4-6)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 11:05  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/17/21 10:52  
**Analyst:** JMC  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:34  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.70	0.333	1	A
Lindane	ND		ug/kg	0.709	0.317	1	A
Alpha-BHC	ND		ug/kg	0.709	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.645	1	A
Heptachlor	ND		ug/kg	0.850	0.381	1	A
Aldrin	ND		ug/kg	1.70	0.599	1	A
Heptachlor epoxide	ND		ug/kg	3.19	0.957	1	A
Endrin	ND		ug/kg	0.709	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.744	1	A
Endrin ketone	ND		ug/kg	1.70	0.438	1	A
Dieldrin	ND		ug/kg	1.06	0.532	1	A
4,4'-DDE	ND		ug/kg	1.70	0.393	1	A
4,4'-DDD	ND		ug/kg	1.70	0.607	1	A
4,4'-DDT	ND		ug/kg	3.19	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.402	1	A
Endosulfan II	ND		ug/kg	1.70	0.568	1	A
Endosulfan sulfate	ND		ug/kg	0.709	0.337	1	A
Methoxychlor	ND		ug/kg	3.19	0.992	1	A
Toxaphene	ND		ug/kg	31.9	8.93	1	A
cis-Chlordane	ND		ug/kg	2.13	0.592	1	A
trans-Chlordane	ND		ug/kg	2.13	0.561	1	A
Chlordane	ND		ug/kg	14.2	5.63	1	A

**Project Name:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-09  
 Client ID: SB-4 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:05  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	74		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-10  
**Client ID:** SB-5 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 10:35  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/17/21 11:58  
**Analyst:** JMC  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:34  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.68	0.329	1	A
Lindane	ND		ug/kg	0.699	0.312	1	A
Alpha-BHC	ND		ug/kg	0.699	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.636	1	A
Heptachlor	ND		ug/kg	0.839	0.376	1	A
Aldrin	ND		ug/kg	1.68	0.591	1	A
Heptachlor epoxide	ND		ug/kg	3.15	0.944	1	A
Endrin	ND		ug/kg	0.699	0.287	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.734	1	A
Endrin ketone	ND		ug/kg	1.68	0.432	1	A
Dieldrin	ND		ug/kg	1.05	0.524	1	A
4,4'-DDE	ND		ug/kg	1.68	0.388	1	A
4,4'-DDD	ND		ug/kg	1.68	0.599	1	A
4,4'-DDT	ND		ug/kg	3.15	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.396	1	A
Endosulfan II	ND		ug/kg	1.68	0.561	1	A
Endosulfan sulfate	ND		ug/kg	0.699	0.333	1	A
Methoxychlor	ND		ug/kg	3.15	0.979	1	A
Toxaphene	ND		ug/kg	31.5	8.81	1	A
cis-Chlordane	ND		ug/kg	2.10	0.585	1	A
trans-Chlordane	ND		ug/kg	2.10	0.554	1	A
Chlordane	ND		ug/kg	14.0	5.56	1	A

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-10  
 Client ID: SB-5 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:35  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	55		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-11 D  
 Client ID: SB-5 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/17/21 10:08  
 Analyst: JMC  
 Percent Solids: 95%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 18:34  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	8.06	1.58	5	A
Lindane	ND		ug/kg	3.36	1.50	5	A
Alpha-BHC	ND		ug/kg	3.36	0.954	5	A
Beta-BHC	ND		ug/kg	8.06	3.06	5	A
Heptachlor	ND		ug/kg	4.03	1.81	5	A
Aldrin	ND		ug/kg	8.06	2.84	5	A
Heptachlor epoxide	ND		ug/kg	15.1	4.53	5	A
Endrin	ND		ug/kg	3.36	1.38	5	A
Endrin aldehyde	ND		ug/kg	10.1	3.52	5	A
Endrin ketone	ND		ug/kg	8.06	2.08	5	A
Dieldrin	ND		ug/kg	5.04	2.52	5	A
4,4'-DDE	ND		ug/kg	8.06	1.86	5	A
4,4'-DDD	ND		ug/kg	8.06	2.87	5	A
4,4'-DDT	ND		ug/kg	15.1	6.48	5	A
Endosulfan I	ND		ug/kg	8.06	1.90	5	A
Endosulfan II	ND		ug/kg	8.06	2.69	5	A
Endosulfan sulfate	ND		ug/kg	3.36	1.60	5	A
Methoxychlor	ND		ug/kg	15.1	4.70	5	A
Toxaphene	ND		ug/kg	151	42.3	5	A
cis-Chlordane	ND		ug/kg	10.1	2.81	5	A
trans-Chlordane	ND		ug/kg	10.1	2.66	5	A
Chlordane	ND		ug/kg	67.2	26.7	5	A

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-11 D  
 Client ID: SB-5 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	101		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-12  
**Client ID:** SB-6 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:20  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/17/21 11:03  
**Analyst:** JMC  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:34  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.81	0.354	1	A
Lindane	ND		ug/kg	0.753	0.337	1	A
Alpha-BHC	ND		ug/kg	0.753	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.686	1	A
Heptachlor	ND		ug/kg	0.904	0.405	1	A
Aldrin	ND		ug/kg	1.81	0.636	1	A
Heptachlor epoxide	ND		ug/kg	3.39	1.02	1	A
Endrin	ND		ug/kg	0.753	0.309	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.791	1	A
Endrin ketone	ND		ug/kg	1.81	0.466	1	A
Dieldrin	ND		ug/kg	1.13	0.565	1	A
4,4'-DDE	ND		ug/kg	1.81	0.418	1	A
4,4'-DDD	ND		ug/kg	1.81	0.645	1	A
4,4'-DDT	ND		ug/kg	3.39	1.45	1	A
Endosulfan I	ND		ug/kg	1.81	0.427	1	A
Endosulfan II	ND		ug/kg	1.81	0.604	1	A
Endosulfan sulfate	ND		ug/kg	0.753	0.358	1	A
Methoxychlor	ND		ug/kg	3.39	1.05	1	A
Toxaphene	ND		ug/kg	33.9	9.49	1	A
cis-Chlordane	ND		ug/kg	2.26	0.630	1	A
trans-Chlordane	ND		ug/kg	2.26	0.597	1	A
Chlordane	ND		ug/kg	15.1	5.99	1	A



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-12  
 Client ID: SB-6 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:20  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	100		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-13  
 Client ID: SB-6 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:25  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/17/21 12:08  
 Analyst: JMC  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 03/15/21 18:34  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.80	0.353	1	A
Lindane	ND		ug/kg	0.750	0.335	1	A
Alpha-BHC	ND		ug/kg	0.750	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.683	1	A
Heptachlor	ND		ug/kg	0.900	0.404	1	A
Aldrin	ND		ug/kg	1.80	0.634	1	A
Heptachlor epoxide	ND		ug/kg	3.38	1.01	1	A
Endrin	ND		ug/kg	0.750	0.308	1	A
Endrin aldehyde	ND		ug/kg	2.25	0.788	1	A
Endrin ketone	ND		ug/kg	1.80	0.464	1	A
Dieldrin	ND		ug/kg	1.12	0.563	1	A
4,4'-DDE	ND		ug/kg	1.80	0.416	1	A
4,4'-DDD	ND		ug/kg	1.80	0.642	1	A
4,4'-DDT	ND		ug/kg	3.38	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.425	1	A
Endosulfan II	ND		ug/kg	1.80	0.602	1	A
Endosulfan sulfate	ND		ug/kg	0.750	0.357	1	A
Methoxychlor	ND		ug/kg	3.38	1.05	1	A
Toxaphene	ND		ug/kg	33.8	9.45	1	A
cis-Chlordane	ND		ug/kg	2.25	0.627	1	A
trans-Chlordane	ND		ug/kg	2.25	0.594	1	A
Chlordane	ND		ug/kg	15.0	5.96	1	A

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-13  
 Client ID: SB-6 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:25  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	52		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-14  
**Client ID:** SB-6 (7-9)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:30  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/17/21 12:19  
**Analyst:** JMC  
**Percent Solids:** 79%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/15/21 18:34  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.90	0.372	1	B
Lindane	ND		ug/kg	0.793	0.354	1	B
Alpha-BHC	ND		ug/kg	0.793	0.225	1	B
Beta-BHC	ND		ug/kg	1.90	0.721	1	B
Heptachlor	ND		ug/kg	0.951	0.426	1	B
Aldrin	ND		ug/kg	1.90	0.670	1	B
Heptachlor epoxide	ND		ug/kg	3.57	1.07	1	B
Endrin	ND		ug/kg	0.793	0.325	1	B
Endrin aldehyde	ND		ug/kg	2.38	0.832	1	B
Endrin ketone	ND		ug/kg	1.90	0.490	1	B
Dieldrin	ND		ug/kg	1.19	0.594	1	B
4,4'-DDE	ND		ug/kg	1.90	0.440	1	B
4,4'-DDD	ND		ug/kg	1.90	0.678	1	B
4,4'-DDT	ND		ug/kg	3.57	1.53	1	B
Endosulfan I	ND		ug/kg	1.90	0.449	1	B
Endosulfan II	ND		ug/kg	1.90	0.636	1	B
Endosulfan sulfate	ND		ug/kg	0.793	0.377	1	B
Methoxychlor	ND		ug/kg	3.57	1.11	1	B
Toxaphene	ND		ug/kg	35.7	9.99	1	B
cis-Chlordane	ND		ug/kg	2.38	0.663	1	B
trans-Chlordane	ND		ug/kg	2.38	0.628	1	B
Chlordane	ND		ug/kg	15.8	6.30	1	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-14  
 Client ID: SB-6 (7-9)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:30  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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## Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	9	Q	30-150	A
Decachlorobiphenyl	7	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	63		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

**Lab ID:** L2111885-15  
**Client ID:** SB-7 (0-2)  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/10/21 09:45  
**Date Received:** 03/10/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/16/21 22:52  
**Analyst:** JJW  
**Percent Solids:** 99%

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/16/21 00:03  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.57	0.307	1	A
Lindane	ND		ug/kg	0.654	0.292	1	A
Alpha-BHC	ND		ug/kg	0.654	0.186	1	A
Beta-BHC	ND		ug/kg	1.57	0.595	1	A
Heptachlor	ND		ug/kg	0.785	0.352	1	A
Aldrin	ND		ug/kg	1.57	0.553	1	A
Heptachlor epoxide	ND		ug/kg	2.94	0.883	1	A
Endrin	ND		ug/kg	0.654	0.268	1	A
Endrin aldehyde	ND		ug/kg	1.96	0.687	1	A
Endrin ketone	ND		ug/kg	1.57	0.404	1	A
Dieldrin	ND		ug/kg	0.981	0.490	1	A
4,4'-DDE	ND		ug/kg	1.57	0.363	1	A
4,4'-DDD	ND		ug/kg	1.57	0.560	1	A
4,4'-DDT	ND		ug/kg	2.94	1.26	1	A
Endosulfan I	ND		ug/kg	1.57	0.371	1	A
Endosulfan II	ND		ug/kg	1.57	0.524	1	A
Endosulfan sulfate	ND		ug/kg	0.654	0.311	1	A
Methoxychlor	ND		ug/kg	2.94	0.916	1	A
Toxaphene	ND		ug/kg	29.4	8.24	1	A
cis-Chlordane	ND		ug/kg	1.96	0.547	1	A
trans-Chlordane	ND		ug/kg	1.96	0.518	1	A
Chlordane	ND		ug/kg	13.1	5.20	1	A

**Project Name:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-15  
 Client ID: SB-7 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:45  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	58		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-16  
 Client ID: SB-7 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:50  
 Date Received: 03/10/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 03/16/21 23:03  
 Analyst: JJW  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 03/16/21 00:03  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.71	0.334	1	A
Lindane	ND		ug/kg	0.712	0.318	1	A
Alpha-BHC	ND		ug/kg	0.712	0.202	1	A
Beta-BHC	ND		ug/kg	1.71	0.648	1	A
Heptachlor	ND		ug/kg	0.854	0.383	1	A
Aldrin	ND		ug/kg	1.71	0.601	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.961	1	A
Endrin	ND		ug/kg	0.712	0.292	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.747	1	A
Endrin ketone	ND		ug/kg	1.71	0.440	1	A
Dieldrin	ND		ug/kg	1.07	0.534	1	A
4,4'-DDE	ND		ug/kg	1.71	0.395	1	A
4,4'-DDD	ND		ug/kg	1.71	0.609	1	A
4,4'-DDT	ND		ug/kg	3.20	1.37	1	A
Endosulfan I	ND		ug/kg	1.71	0.404	1	A
Endosulfan II	ND		ug/kg	1.71	0.571	1	A
Endosulfan sulfate	ND		ug/kg	0.712	0.339	1	A
Methoxychlor	ND		ug/kg	3.20	0.996	1	A
Toxaphene	ND		ug/kg	32.0	8.97	1	A
cis-Chlordane	26.8	P	ug/kg	2.13	0.595	1	A
trans-Chlordane	23.6		ug/kg	2.13	0.564	1	B
Chlordane	ND		ug/kg	14.2	5.66	1	A



**Project Name:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-16  
 Client ID: SB-7 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:50  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	93		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-17  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8081B  
 Analytical Date: 03/16/21 12:32  
 Analyst: AR

Extraction Method: EPA 3510C  
 Extraction Date: 03/15/21 05:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
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:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**SAMPLE RESULTS**

Lab ID: L2111885-17  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	49		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 03/16/21 11:30  
Analyst: AR

Extraction Method: EPA 3510C  
Extraction Date: 03/15/21 05:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 17 Batch: WG1474376-1						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 03/16/21 11:30  
Analyst: AR

Extraction Method: EPA 3510C  
Extraction Date: 03/15/21 05:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 17 Batch: WG1474376-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	64		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 03/17/21 09:35  
Analyst: JMC

Extraction Method: EPA 3546  
Extraction Date: 03/15/21 18:32  
Cleanup Method: EPA 3620B  
Cleanup Date: 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-14 Batch: WG1474711-1						
Delta-BHC	ND		ug/kg	1.53	0.299	A
Lindane	ND		ug/kg	0.636	0.284	A
Alpha-BHC	ND		ug/kg	0.636	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.579	A
Heptachlor	ND		ug/kg	0.763	0.342	A
Aldrin	ND		ug/kg	1.53	0.538	A
Heptachlor epoxide	ND		ug/kg	2.86	0.859	A
Endrin	ND		ug/kg	0.636	0.261	A
Endrin aldehyde	ND		ug/kg	1.91	0.668	A
Endrin ketone	ND		ug/kg	1.53	0.393	A
Dieldrin	ND		ug/kg	0.954	0.477	A
4,4'-DDE	ND		ug/kg	1.53	0.353	A
4,4'-DDD	ND		ug/kg	1.53	0.544	A
4,4'-DDT	ND		ug/kg	2.86	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.361	A
Endosulfan II	ND		ug/kg	1.53	0.510	A
Endosulfan sulfate	ND		ug/kg	0.636	0.303	A
Methoxychlor	ND		ug/kg	2.86	0.890	A
Toxaphene	ND		ug/kg	28.6	8.02	A
cis-Chlordane	ND		ug/kg	1.91	0.532	A
trans-Chlordane	ND		ug/kg	1.91	0.504	A
Chlordane	ND		ug/kg	12.7	5.06	A

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 03/17/21 09:35  
Analyst: JMC

Extraction Method: EPA 3546  
Extraction Date: 03/15/21 18:32  
Cleanup Method: EPA 3620B  
Cleanup Date: 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-14 Batch: WG1474711-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	76		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 03/16/21 19:48  
Analyst: JMC

Extraction Method: EPA 3546  
Extraction Date: 03/16/21 00:03  
Cleanup Method: EPA 3620B  
Cleanup Date: 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 15-16 Batch: WG1474761-1						
Delta-BHC	ND		ug/kg	1.53	0.299	A
Lindane	ND		ug/kg	0.637	0.285	A
Alpha-BHC	ND		ug/kg	0.637	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.580	A
Heptachlor	ND		ug/kg	0.764	0.343	A
Aldrin	ND		ug/kg	1.53	0.538	A
Heptachlor epoxide	ND		ug/kg	2.87	0.860	A
Endrin	ND		ug/kg	0.637	0.261	A
Endrin aldehyde	ND		ug/kg	1.91	0.669	A
Endrin ketone	ND		ug/kg	1.53	0.394	A
Dieldrin	ND		ug/kg	0.955	0.478	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.545	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.361	A
Endosulfan II	ND		ug/kg	1.53	0.511	A
Endosulfan sulfate	ND		ug/kg	0.637	0.303	A
Methoxychlor	ND		ug/kg	2.87	0.892	A
Toxaphene	ND		ug/kg	28.7	8.02	A
cis-Chlordane	ND		ug/kg	1.91	0.532	A
trans-Chlordane	ND		ug/kg	1.91	0.504	A
Chlordane	ND		ug/kg	12.7	5.06	A



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 03/16/21 19:48  
Analyst: JMC

Extraction Method: EPA 3546  
Extraction Date: 03/16/21 00:03  
Cleanup Method: EPA 3620B  
Cleanup Date: 03/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 15-16 Batch: WG1474761-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	84		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 17 Batch: WG1474376-2 WG1474376-3									
Delta-BHC	66		56		30-150	16		20	A
Lindane	77		67		30-150	14		20	A
Alpha-BHC	81		71		30-150	13		20	A
Beta-BHC	74		61		30-150	19		20	A
Heptachlor	76		64		30-150	17		20	A
Aldrin	71		60		30-150	16		20	A
Heptachlor epoxide	71		60		30-150	16		20	A
Endrin	75		63		30-150	17		20	A
Endrin aldehyde	64		54		30-150	18		20	A
Endrin ketone	71		59		30-150	17		20	A
Dieldrin	77		64		30-150	18		20	A
4,4'-DDE	69		58		30-150	18		20	A
4,4'-DDD	79		65		30-150	20		20	A
4,4'-DDT	70		58		30-150	18		20	A
Endosulfan I	70		59		30-150	17		20	A
Endosulfan II	71		60		30-150	16		20	A
Endosulfan sulfate	69		58		30-150	16		20	A
Methoxychlor	77		64		30-150	19		20	A
cis-Chlordane	65		55		30-150	18		20	A
trans-Chlordane	70		58		30-150	18		20	A

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 17 Batch: WG1474376-2 WG1474376-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	74		65		30-150	A
Decachlorobiphenyl	81		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		67		30-150	B
Decachlorobiphenyl	81		67		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-14 Batch: WG1474711-2 WG1474711-3									
Delta-BHC	92		80		30-150	14		30	A
Lindane	90		77		30-150	16		30	A
Alpha-BHC	99		82		30-150	19		30	A
Beta-BHC	96		107		30-150	11		30	A
Heptachlor	93		82		30-150	13		30	A
Aldrin	82		71		30-150	14		30	A
Heptachlor epoxide	78		70		30-150	11		30	A
Endrin	84		76		30-150	10		30	A
Endrin aldehyde	70		65		30-150	7		30	A
Endrin ketone	77		74		30-150	4		30	A
Dieldrin	85		76		30-150	11		30	A
4,4'-DDE	75		69		30-150	8		30	A
4,4'-DDD	87		80		30-150	8		30	A
4,4'-DDT	87		78		30-150	11		30	A
Endosulfan I	77		70		30-150	10		30	A
Endosulfan II	81		74		30-150	9		30	A
Endosulfan sulfate	65		62		30-150	5		30	A
Methoxychlor	79		75		30-150	5		30	A
cis-Chlordane	64		57		30-150	12		30	A
trans-Chlordane	82		77		30-150	6		30	A

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-14 Batch: WG1474711-2 WG1474711-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		91		30-150	A
Decachlorobiphenyl	72		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		77		30-150	B
Decachlorobiphenyl	94		100		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 15-16 Batch: WG1474761-2 WG1474761-3									
Delta-BHC	71		70		30-150	1		30	A
Lindane	70		69		30-150	1		30	A
Alpha-BHC	73		72		30-150	1		30	A
Beta-BHC	86		85		30-150	1		30	A
Heptachlor	66		65		30-150	2		30	A
Aldrin	67		65		30-150	3		30	A
Heptachlor epoxide	65		63		30-150	3		30	A
Endrin	66		65		30-150	2		30	A
Endrin aldehyde	50		52		30-150	4		30	A
Endrin ketone	60		61		30-150	2		30	A
Dieldrin	68		66		30-150	3		30	A
4,4'-DDE	57		56		30-150	2		30	A
4,4'-DDD	67		68		30-150	1		30	A
4,4'-DDT	65		65		30-150	0		30	A
Endosulfan I	65		63		30-150	3		30	A
Endosulfan II	71		70		30-150	1		30	A
Endosulfan sulfate	48		52		30-150	8		30	A
Methoxychlor	63		65		30-150	3		30	A
cis-Chlordane	63		61		30-150	3		30	A
trans-Chlordane	67		67		30-150	0		30	A

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 15-16 Batch: WG1474761-2 WG1474761-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	69		66		30-150	A
Decachlorobiphenyl	56		54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		70		30-150	B
Decachlorobiphenyl	77		73		30-150	B

## METALS



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-01  
 Client ID: SB-1 (0-2)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:05  
 Date Received: 03/10/21  
 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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	8070		mg/kg	8.38	2.26	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.19	0.319	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Arsenic, Total	5.79		mg/kg	0.838	0.174	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Barium, Total	102		mg/kg	0.838	0.146	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Beryllium, Total	0.293	J	mg/kg	0.419	0.028	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Cadmium, Total	0.528	J	mg/kg	0.838	0.082	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Calcium, Total	4320		mg/kg	8.38	2.93	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Chromium, Total	41.7		mg/kg	0.838	0.081	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Cobalt, Total	21.9		mg/kg	1.68	0.139	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Copper, Total	31.5		mg/kg	0.838	0.216	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Iron, Total	18700		mg/kg	4.19	0.757	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Lead, Total	140		mg/kg	4.19	0.225	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Magnesium, Total	4680		mg/kg	8.38	1.29	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Manganese, Total	378		mg/kg	0.838	0.133	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Mercury, Total	1.90		mg/kg	0.076	0.049	1	03/11/21 23:08	03/17/21 11:53	EPA 7471B	1,7471B	EW
Nickel, Total	228		mg/kg	2.10	0.203	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Potassium, Total	664		mg/kg	210	12.1	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Selenium, Total	0.889	J	mg/kg	1.68	0.216	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.838	0.237	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Sodium, Total	138	J	mg/kg	168	2.64	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Thallium, Total	0.444	J	mg/kg	1.68	0.264	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Vanadium, Total	20.8		mg/kg	0.838	0.170	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV
Zinc, Total	103		mg/kg	4.19	0.246	2	03/11/21 21:50	03/16/21 23:07	EPA 3050B	1,6010D	BV



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-02

Date Collected: 03/10/21 10:10

Client ID: SB-1 (3-5)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	6570		mg/kg	8.25	2.23	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.12	0.313	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Arsenic, Total	5.25		mg/kg	0.825	0.172	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Barium, Total	54.9		mg/kg	0.825	0.144	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Beryllium, Total	0.305	J	mg/kg	0.412	0.027	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Cadmium, Total	0.478	J	mg/kg	0.825	0.081	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Calcium, Total	1610		mg/kg	8.25	2.89	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Chromium, Total	35.1		mg/kg	0.825	0.079	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Cobalt, Total	22.3		mg/kg	1.65	0.137	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Copper, Total	20.3		mg/kg	0.825	0.213	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Iron, Total	20100		mg/kg	4.12	0.745	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Lead, Total	76.3		mg/kg	4.12	0.221	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Magnesium, Total	11500		mg/kg	8.25	1.27	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Manganese, Total	364		mg/kg	0.825	0.131	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Mercury, Total	0.050	J	mg/kg	0.070	0.046	1	03/11/21 23:08	03/17/21 11:57	EPA 7471B	1,7471B	EW
Nickel, Total	388		mg/kg	2.06	0.200	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Potassium, Total	840		mg/kg	206	11.9	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Selenium, Total	0.503	J	mg/kg	1.65	0.213	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.825	0.233	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Sodium, Total	58.1	J	mg/kg	165	2.60	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Thallium, Total	0.305	J	mg/kg	1.65	0.260	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Vanadium, Total	20.8		mg/kg	0.825	0.167	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV
Zinc, Total	52.3		mg/kg	4.12	0.242	2	03/11/21 21:50	03/16/21 23:12	EPA 3050B	1,6010D	BV



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-03

Date Collected: 03/10/21 11:25

Client ID: SB-2 (0-2)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	4450		mg/kg	8.21	2.22	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.10	0.312	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Arsenic, Total	5.38		mg/kg	0.821	0.171	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Barium, Total	54.7		mg/kg	0.821	0.143	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Beryllium, Total	0.164	J	mg/kg	0.410	0.027	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Cadmium, Total	0.410	J	mg/kg	0.821	0.081	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Calcium, Total	13200		mg/kg	8.21	2.87	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Chromium, Total	17.7		mg/kg	0.821	0.079	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Cobalt, Total	9.63		mg/kg	1.64	0.136	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Copper, Total	19.8		mg/kg	0.821	0.212	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Iron, Total	11200		mg/kg	4.10	0.742	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Lead, Total	105		mg/kg	4.10	0.220	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Magnesium, Total	7320		mg/kg	8.21	1.26	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Manganese, Total	159		mg/kg	0.821	0.130	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Mercury, Total	0.334		mg/kg	0.068	0.044	1	03/11/21 23:08	03/17/21 12:07	EPA 7471B	1,7471B	EW
Nickel, Total	116		mg/kg	2.05	0.199	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Potassium, Total	545		mg/kg	205	11.8	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Selenium, Total	0.345	J	mg/kg	1.64	0.212	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.821	0.232	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Sodium, Total	86.7	J	mg/kg	164	2.59	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.64	0.259	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Vanadium, Total	15.7		mg/kg	0.821	0.167	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV
Zinc, Total	77.4		mg/kg	4.10	0.241	2	03/11/21 21:50	03/16/21 23:17	EPA 3050B	1,6010D	BV



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-04

Date Collected: 03/10/21 11:30

Client ID: SB-2 (3-5)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	4810		mg/kg	8.99	2.43	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.50	0.342	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Arsenic, Total	2.54		mg/kg	0.899	0.187	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Barium, Total	18.8		mg/kg	0.899	0.156	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Beryllium, Total	0.099	J	mg/kg	0.450	0.030	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Cadmium, Total	0.261	J	mg/kg	0.899	0.088	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Calcium, Total	773		mg/kg	8.99	3.15	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Chromium, Total	18.6		mg/kg	0.899	0.086	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Cobalt, Total	9.16		mg/kg	1.80	0.149	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Copper, Total	8.47		mg/kg	0.899	0.232	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Iron, Total	10800		mg/kg	4.50	0.812	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Lead, Total	18.5		mg/kg	4.50	0.241	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Magnesium, Total	2230		mg/kg	8.99	1.38	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Manganese, Total	93.5		mg/kg	0.899	0.143	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.076	0.049	1	03/11/21 23:08	03/17/21 12:10	EPA 7471B	1,7471B	EW
Nickel, Total	84.5		mg/kg	2.25	0.218	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Potassium, Total	440		mg/kg	225	13.0	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Selenium, Total	0.315	J	mg/kg	1.80	0.232	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.899	0.254	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Sodium, Total	31.8	J	mg/kg	180	2.83	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.80	0.283	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Vanadium, Total	14.8		mg/kg	0.899	0.182	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV
Zinc, Total	28.1		mg/kg	4.50	0.264	2	03/11/21 21:50	03/16/21 23:21	EPA 3050B	1,6010D	BV



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-05

Date Collected: 03/10/21 08:50

Client ID: SB-3 (0-2)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	6110		mg/kg	8.78	2.37	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.39	0.334	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Arsenic, Total	5.44		mg/kg	0.878	0.183	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Barium, Total	77.0		mg/kg	0.878	0.153	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Beryllium, Total	0.228	J	mg/kg	0.439	0.029	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Cadmium, Total	0.738	J	mg/kg	0.878	0.086	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Calcium, Total	2540		mg/kg	8.78	3.07	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Chromium, Total	28.0		mg/kg	0.878	0.084	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Cobalt, Total	14.4		mg/kg	1.76	0.146	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Copper, Total	42.6		mg/kg	0.878	0.226	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Iron, Total	18100		mg/kg	4.39	0.793	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Lead, Total	269		mg/kg	4.39	0.235	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Magnesium, Total	8190		mg/kg	8.78	1.35	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Manganese, Total	278		mg/kg	0.878	0.140	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Mercury, Total	0.279		mg/kg	0.075	0.049	1	03/11/21 23:08	03/17/21 12:13	EPA 7471B	1,7471B	EW
Nickel, Total	183		mg/kg	2.20	0.212	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Potassium, Total	1040		mg/kg	220	12.6	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Selenium, Total	0.755	J	mg/kg	1.76	0.226	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.878	0.248	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Sodium, Total	59.3	J	mg/kg	176	2.77	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Thallium, Total	0.290	J	mg/kg	1.76	0.277	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Vanadium, Total	31.9		mg/kg	0.878	0.178	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV
Zinc, Total	161		mg/kg	4.39	0.257	2	03/11/21 21:50	03/16/21 23:26	EPA 3050B	1,6010D	BV



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-06

Date Collected: 03/10/21 08:55

Client ID: SB-3 (4-6)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	4430		mg/kg	9.64	2.60	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.82	0.366	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Arsenic, Total	2.83		mg/kg	0.964	0.200	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Barium, Total	29.4		mg/kg	0.964	0.168	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Beryllium, Total	0.260	J	mg/kg	0.482	0.032	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Cadmium, Total	0.356	J	mg/kg	0.964	0.094	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Calcium, Total	2220		mg/kg	9.64	3.37	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Chromium, Total	26.9		mg/kg	0.964	0.093	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Cobalt, Total	18.5		mg/kg	1.93	0.160	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Copper, Total	12.4		mg/kg	0.964	0.249	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Iron, Total	13700		mg/kg	4.82	0.870	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Lead, Total	25.4		mg/kg	4.82	0.258	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Magnesium, Total	9990		mg/kg	9.64	1.48	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Manganese, Total	185		mg/kg	0.964	0.153	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Mercury, Total	0.060	J	mg/kg	0.086	0.056	1	03/11/21 23:08	03/17/21 12:31	EPA 7471B	1,7471B	EW
Nickel, Total	239		mg/kg	2.41	0.233	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Potassium, Total	948		mg/kg	241	13.9	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Selenium, Total	0.395	J	mg/kg	1.93	0.249	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.964	0.273	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Sodium, Total	113	J	mg/kg	193	3.04	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.93	0.304	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Vanadium, Total	12.2		mg/kg	0.964	0.196	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV
Zinc, Total	49.4		mg/kg	4.82	0.282	2	03/11/21 21:50	03/16/21 23:30	EPA 3050B	1,6010D	BV



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-07  
 Client ID: SB-3 (4-6)\_DUP  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:00  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	3470		mg/kg	9.13	2.46	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.56	0.347	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Arsenic, Total	7.13		mg/kg	0.913	0.190	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Barium, Total	894		mg/kg	0.913	0.159	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Beryllium, Total	0.082	J	mg/kg	0.456	0.030	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Cadmium, Total	3.25		mg/kg	0.913	0.090	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Calcium, Total	35400		mg/kg	9.13	3.20	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Chromium, Total	29.4		mg/kg	0.913	0.088	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Cobalt, Total	10.6		mg/kg	1.83	0.152	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Copper, Total	34.5		mg/kg	0.913	0.236	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Iron, Total	14300		mg/kg	4.56	0.824	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Lead, Total	4060		mg/kg	4.56	0.245	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Magnesium, Total	14200		mg/kg	9.13	1.41	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Manganese, Total	267		mg/kg	0.913	0.145	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Mercury, Total	0.870		mg/kg	0.080	0.052	1	03/11/21 23:08	03/17/21 12:35	EPA 7471B	1,7471B	EW
Nickel, Total	180		mg/kg	2.28	0.221	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Potassium, Total	1290		mg/kg	228	13.1	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Selenium, Total	2.73		mg/kg	1.83	0.236	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.913	0.258	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Sodium, Total	174	J	mg/kg	183	2.88	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.83	0.288	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Vanadium, Total	20.5		mg/kg	0.913	0.185	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV
Zinc, Total	1320		mg/kg	4.56	0.268	2	03/11/21 21:50	03/16/21 23:35	EPA 3050B	1,6010D	BV



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-08

Date Collected: 03/10/21 11:00

Client ID: SB-4 (0-2)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	807		mg/kg	8.08	2.18	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.04	0.307	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Arsenic, Total	2.19		mg/kg	0.808	0.168	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Barium, Total	4.14		mg/kg	0.808	0.141	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.404	0.027	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Cadmium, Total	0.089	J	mg/kg	0.808	0.079	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Calcium, Total	19200		mg/kg	8.08	2.83	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Chromium, Total	3.27		mg/kg	0.808	0.078	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Cobalt, Total	0.825	J	mg/kg	1.62	0.134	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Copper, Total	3.82		mg/kg	0.808	0.208	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Iron, Total	3030		mg/kg	4.04	0.730	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Lead, Total	3.60	J	mg/kg	4.04	0.217	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Magnesium, Total	11500		mg/kg	8.08	1.24	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Manganese, Total	58.9		mg/kg	0.808	0.128	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.066	0.043	1	03/11/21 23:08	03/17/21 12:38	EPA 7471B	1,7471B	EW
Nickel, Total	2.27		mg/kg	2.02	0.196	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Potassium, Total	102	J	mg/kg	202	11.6	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Selenium, Total	0.509	J	mg/kg	1.62	0.208	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.808	0.229	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Sodium, Total	8.54	J	mg/kg	162	2.55	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.62	0.255	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Vanadium, Total	3.85		mg/kg	0.808	0.164	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV
Zinc, Total	6.44		mg/kg	4.04	0.237	2	03/11/21 21:50	03/16/21 23:39	EPA 3050B	1,6010D	BV





Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-09

Date Collected: 03/10/21 11:05

Client ID: SB-4 (4-6)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	2220		mg/kg	8.62	2.33	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.31	0.327	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Arsenic, Total	3.13		mg/kg	0.862	0.179	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Barium, Total	80.9		mg/kg	0.862	0.150	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Beryllium, Total	0.052	J	mg/kg	0.431	0.028	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Cadmium, Total	0.603	J	mg/kg	0.862	0.084	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Calcium, Total	34600		mg/kg	8.62	3.02	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Chromium, Total	13.3		mg/kg	0.862	0.083	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Cobalt, Total	3.89		mg/kg	1.72	0.143	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Copper, Total	2040		mg/kg	0.862	0.222	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Iron, Total	6510		mg/kg	4.31	0.778	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Lead, Total	237		mg/kg	4.31	0.231	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Magnesium, Total	16300		mg/kg	8.62	1.33	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Manganese, Total	117		mg/kg	0.862	0.137	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.069	0.045	1	03/11/21 23:08	03/17/21 15:08	EPA 7471B	1,7471B	EW
Nickel, Total	38.3		mg/kg	2.15	0.208	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Potassium, Total	307		mg/kg	215	12.4	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Selenium, Total	0.336	J	mg/kg	1.72	0.222	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.862	0.244	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Sodium, Total	96.5	J	mg/kg	172	2.71	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.72	0.271	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Vanadium, Total	11.6		mg/kg	0.862	0.175	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV
Zinc, Total	528		mg/kg	4.31	0.252	2	03/11/21 21:50	03/16/21 23:44	EPA 3050B	1,6010D	BV



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-10

Date Collected: 03/10/21 10:35

Client ID: SB-5 (0-2)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	4390		mg/kg	7.96	2.15	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	3.98	0.302	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Arsenic, Total	5.16		mg/kg	0.796	0.166	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Barium, Total	27.8		mg/kg	0.796	0.138	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Beryllium, Total	0.199	J	mg/kg	0.398	0.026	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Cadmium, Total	0.390	J	mg/kg	0.796	0.078	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Calcium, Total	1520		mg/kg	7.96	2.78	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Chromium, Total	26.0		mg/kg	0.796	0.076	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Cobalt, Total	15.6		mg/kg	1.59	0.132	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Copper, Total	17.4		mg/kg	0.796	0.205	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Iron, Total	15700		mg/kg	3.98	0.718	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Lead, Total	7.28		mg/kg	3.98	0.213	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Magnesium, Total	13100		mg/kg	7.96	1.22	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Manganese, Total	357		mg/kg	0.796	0.126	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.073	0.048	1	03/11/21 23:08	03/17/21 15:11	EPA 7471B	1,7471B	EW
Nickel, Total	341		mg/kg	1.99	0.192	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Potassium, Total	1080		mg/kg	199	11.4	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Selenium, Total	0.358	J	mg/kg	1.59	0.205	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.796	0.225	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Sodium, Total	64.4	J	mg/kg	159	2.51	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Thallium, Total	0.350	J	mg/kg	1.59	0.251	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Vanadium, Total	17.5		mg/kg	0.796	0.162	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV
Zinc, Total	39.4		mg/kg	3.98	0.233	2	03/11/21 21:50	03/17/21 00:07	EPA 3050B	1,6010D	BV



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-11  
 Client ID: SB-5 (4-6)  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:40  
 Date Received: 03/10/21  
 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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	3800		mg/kg	8.18	2.21	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.09	0.311	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Arsenic, Total	4.23		mg/kg	0.818	0.170	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Barium, Total	24.0		mg/kg	0.818	0.142	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Beryllium, Total	0.204	J	mg/kg	0.409	0.027	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Cadmium, Total	0.368	J	mg/kg	0.818	0.080	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Calcium, Total	1300		mg/kg	8.18	2.86	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Chromium, Total	29.1		mg/kg	0.818	0.079	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Cobalt, Total	17.4		mg/kg	1.64	0.136	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Copper, Total	21.2		mg/kg	0.818	0.211	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Iron, Total	14700		mg/kg	4.09	0.738	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Lead, Total	7.77		mg/kg	4.09	0.219	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Magnesium, Total	21900		mg/kg	8.18	1.26	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Manganese, Total	323		mg/kg	0.818	0.130	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.069	0.045	1	03/11/21 23:08	03/17/21 15:15	EPA 7471B	1,7471B	EW
Nickel, Total	390		mg/kg	2.04	0.198	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Potassium, Total	953		mg/kg	204	11.8	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Selenium, Total	0.638	J	mg/kg	1.64	0.211	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.818	0.231	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Sodium, Total	68.1	J	mg/kg	164	2.58	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Thallium, Total	0.368	J	mg/kg	1.64	0.258	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Vanadium, Total	14.5		mg/kg	0.818	0.166	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV
Zinc, Total	31.4		mg/kg	4.09	0.240	2	03/11/21 21:50	03/17/21 00:12	EPA 3050B	1,6010D	BV



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-12

Date Collected: 03/10/21 09:20

Client ID: SB-6 (0-2)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	6420		mg/kg	8.95	2.42	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.48	0.340	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Arsenic, Total	3.09		mg/kg	0.895	0.186	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Barium, Total	59.4		mg/kg	0.895	0.156	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Beryllium, Total	0.179	J	mg/kg	0.448	0.030	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Cadmium, Total	0.474	J	mg/kg	0.895	0.088	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Calcium, Total	2250		mg/kg	8.95	3.13	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Chromium, Total	16.3		mg/kg	0.895	0.086	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Cobalt, Total	7.13		mg/kg	1.79	0.148	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Copper, Total	70.6		mg/kg	0.895	0.231	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Iron, Total	14500		mg/kg	4.48	0.808	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Lead, Total	50.4		mg/kg	4.48	0.240	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Magnesium, Total	2980		mg/kg	8.95	1.38	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Manganese, Total	303		mg/kg	0.895	0.142	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Mercury, Total	1.01		mg/kg	0.076	0.049	1	03/11/21 23:08	03/17/21 15:18	EPA 7471B	1,7471B	EW
Nickel, Total	15.0		mg/kg	2.24	0.217	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Potassium, Total	1060		mg/kg	224	12.9	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Selenium, Total	0.564	J	mg/kg	1.79	0.231	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.895	0.253	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Sodium, Total	98.9	J	mg/kg	179	2.82	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Thallium, Total	0.394	J	mg/kg	1.79	0.282	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Vanadium, Total	24.5		mg/kg	0.895	0.182	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV
Zinc, Total	60.4		mg/kg	4.48	0.262	2	03/11/21 21:50	03/17/21 00:17	EPA 3050B	1,6010D	BV



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-13

Date Collected: 03/10/21 09:25

Client ID: SB-6 (4-6)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5170		mg/kg	9.02	2.43	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.51	0.343	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Arsenic, Total	2.67		mg/kg	0.902	0.188	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Barium, Total	33.0		mg/kg	0.902	0.157	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Beryllium, Total	0.270	J	mg/kg	0.451	0.030	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Cadmium, Total	0.243	J	mg/kg	0.902	0.088	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Calcium, Total	1160		mg/kg	9.02	3.16	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Chromium, Total	22.0		mg/kg	0.902	0.087	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Cobalt, Total	5.65		mg/kg	1.80	0.150	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Copper, Total	3.04		mg/kg	0.902	0.233	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Iron, Total	11100		mg/kg	4.51	0.814	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Lead, Total	6.24		mg/kg	4.51	0.242	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Magnesium, Total	1190		mg/kg	9.02	1.39	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Manganese, Total	129		mg/kg	0.902	0.143	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.080	0.052	1	03/11/21 23:08	03/17/21 13:07	EPA 7471B	1,7471B	EW
Nickel, Total	44.8		mg/kg	2.25	0.218	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Potassium, Total	269		mg/kg	225	13.0	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Selenium, Total	0.424	J	mg/kg	1.80	0.233	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.902	0.255	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Sodium, Total	38.9	J	mg/kg	180	2.84	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.80	0.284	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Vanadium, Total	12.6		mg/kg	0.902	0.183	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV
Zinc, Total	14.0		mg/kg	4.51	0.264	2	03/11/21 21:50	03/17/21 00:21	EPA 3050B	1,6010D	BV



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-14

Date Collected: 03/10/21 09:30

Client ID: SB-6 (7-9)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	4950		mg/kg	10.0	2.71	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	5.02	0.382	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Arsenic, Total	4.80		mg/kg	1.00	0.209	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Barium, Total	39.4		mg/kg	1.00	0.175	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Beryllium, Total	0.271	J	mg/kg	0.502	0.033	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Cadmium, Total	0.332	J	mg/kg	1.00	0.099	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Calcium, Total	1970		mg/kg	10.0	3.52	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Chromium, Total	27.1		mg/kg	1.00	0.097	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Cobalt, Total	20.3		mg/kg	2.01	0.167	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Copper, Total	11.0		mg/kg	1.00	0.259	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Iron, Total	13500		mg/kg	5.02	0.908	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Lead, Total	7.69		mg/kg	5.02	0.269	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Magnesium, Total	3480		mg/kg	10.0	1.55	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Manganese, Total	90.6		mg/kg	1.00	0.160	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/11/21 23:08	03/17/21 13:10	EPA 7471B	1,7471B	EW
Nickel, Total	207		mg/kg	2.51	0.243	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Potassium, Total	952		mg/kg	251	14.5	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	2.01	0.259	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	1.00	0.284	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Sodium, Total	56.1	J	mg/kg	201	3.17	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	2.01	0.317	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Vanadium, Total	13.3		mg/kg	1.00	0.204	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV
Zinc, Total	40.2		mg/kg	5.02	0.294	2	03/11/21 21:50	03/17/21 00:26	EPA 3050B	1,6010D	BV



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-15

Date Collected: 03/10/21 09:45

Client ID: SB-7 (0-2)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	926		mg/kg	7.73	2.09	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	3.87	0.294	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Arsenic, Total	1.33		mg/kg	0.773	0.161	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Barium, Total	3.44		mg/kg	0.773	0.134	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Beryllium, Total	0.070	J	mg/kg	0.387	0.026	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Cadmium, Total	0.085	J	mg/kg	0.773	0.076	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Calcium, Total	55.0		mg/kg	7.73	2.71	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Chromium, Total	3.60		mg/kg	0.773	0.074	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Cobalt, Total	0.843	J	mg/kg	1.55	0.128	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Copper, Total	1.34		mg/kg	0.773	0.200	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Iron, Total	3800		mg/kg	3.87	0.698	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Lead, Total	1.41	J	mg/kg	3.87	0.207	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Magnesium, Total	65.5		mg/kg	7.73	1.19	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Manganese, Total	47.6		mg/kg	0.773	0.123	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.071	0.046	1	03/11/21 23:08	03/17/21 13:13	EPA 7471B	1,7471B	EW
Nickel, Total	0.719	J	mg/kg	1.93	0.187	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Potassium, Total	58.0	J	mg/kg	193	11.1	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Selenium, Total	0.224	J	mg/kg	1.55	0.200	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.773	0.219	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Sodium, Total	ND		mg/kg	155	2.44	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.55	0.244	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Vanadium, Total	4.19		mg/kg	0.773	0.157	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV
Zinc, Total	2.84	J	mg/kg	3.87	0.227	2	03/11/21 21:50	03/17/21 00:30	EPA 3050B	1,6010D	BV



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-16

Date Collected: 03/10/21 09:50

Client ID: SB-7 (4-6)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5660		mg/kg	8.96	2.42	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.48	0.340	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Arsenic, Total	6.61		mg/kg	0.896	0.186	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Barium, Total	63.6		mg/kg	0.896	0.156	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Beryllium, Total	0.242	J	mg/kg	0.448	0.030	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Cadmium, Total	0.403	J	mg/kg	0.896	0.088	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Calcium, Total	11500		mg/kg	8.96	3.14	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Chromium, Total	18.4		mg/kg	0.896	0.086	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Cobalt, Total	10.3		mg/kg	1.79	0.149	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Copper, Total	22.5		mg/kg	0.896	0.231	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Iron, Total	15000		mg/kg	4.48	0.809	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Lead, Total	46.3		mg/kg	4.48	0.240	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Magnesium, Total	10200		mg/kg	8.96	1.38	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Manganese, Total	290		mg/kg	0.896	0.142	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Mercury, Total	0.249		mg/kg	0.078	0.051	1	03/11/21 23:08	03/17/21 13:23	EPA 7471B	1,7471B	EW
Nickel, Total	133		mg/kg	2.24	0.217	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Potassium, Total	532		mg/kg	224	12.9	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Selenium, Total	0.726	J	mg/kg	1.79	0.231	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.896	0.254	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Sodium, Total	85.0	J	mg/kg	179	2.82	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Thallium, Total	0.314	J	mg/kg	1.79	0.282	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Vanadium, Total	17.1		mg/kg	0.896	0.182	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV
Zinc, Total	42.1		mg/kg	4.48	0.262	2	03/11/21 21:50	03/17/21 00:35	EPA 3050B	1,6010D	BV





Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-17  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 11:40  
 Date Received: 03/10/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Calcium, Total	0.0442	J	mg/l	0.100	0.0394	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Mercury, Total	0.00010	J	mg/l	0.00020	0.00009	1	03/12/21 20:44	03/17/21 21:17	EPA 7470A	1,7470A	EW
Nickel, Total	ND		mg/l	0.00200	0.00055	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Sodium, Total	0.217		mg/l	0.100	0.0293	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/12/21 20:15	03/15/21 09:32	EPA 3005A	1,6020B	AM



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

## 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): 01-16 Batch: WG1473426-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Antimony, Total	0.380	J	mg/kg	2.00	0.152	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Arsenic, Total	0.092	J	mg/kg	0.400	0.083	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Iron, Total	ND		mg/kg	2.00	0.361	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Potassium, Total	ND		mg/kg	100	5.76	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Sodium, Total	2.95	J	mg/kg	80.0	1.26	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/11/21 21:50	03/16/21 22:13	1,6010D	BV

### 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): 01-16 Batch: WG1473427-1										
Mercury, Total	ND		mg/kg	0.417	0.272	5	03/11/21 23:08	03/17/21 11:02	1,7471B	EW



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

## Method Blank Analysis Batch Quality Control

### 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): 17 Batch: WG1473837-1									
Aluminum, Total	ND	mg/l	0.0100	0.00327	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Antimony, Total	ND	mg/l	0.00400	0.00042	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Arsenic, Total	ND	mg/l	0.00050	0.00016	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Barium, Total	ND	mg/l	0.00050	0.00017	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Beryllium, Total	ND	mg/l	0.00050	0.00010	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Cadmium, Total	ND	mg/l	0.00020	0.00005	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Calcium, Total	ND	mg/l	0.100	0.0394	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Chromium, Total	ND	mg/l	0.00100	0.00017	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Cobalt, Total	ND	mg/l	0.00050	0.00016	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Copper, Total	ND	mg/l	0.00100	0.00038	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Iron, Total	ND	mg/l	0.0500	0.0191	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Lead, Total	ND	mg/l	0.00100	0.00034	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Manganese, Total	ND	mg/l	0.00100	0.00044	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Nickel, Total	ND	mg/l	0.00200	0.00055	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Potassium, Total	ND	mg/l	0.100	0.0309	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Selenium, Total	ND	mg/l	0.00500	0.00173	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Silver, Total	ND	mg/l	0.00040	0.00016	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Sodium, Total	ND	mg/l	0.100	0.0293	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Thallium, Total	ND	mg/l	0.00050	0.00014	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Vanadium, Total	ND	mg/l	0.00500	0.00157	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM
Zinc, Total	ND	mg/l	0.01000	0.00341	1	03/12/21 20:15	03/15/21 09:26	1,6020B	AM

### Prep Information

Digestion Method: EPA 3005A



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## 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): 17 Batch: WG1473842-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	03/12/21 20:44	03/17/21 20:54	1,7470A	EW

### Prep Information

Digestion Method: EPA 7470A

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-16 Batch: WG1473426-2 SRM Lot Number: D109-540								
Aluminum, Total	52		-		50-150	-		
Antimony, Total	101		-		19-250	-		
Arsenic, Total	83		-		70-130	-		
Barium, Total	78		-		75-125	-		
Beryllium, Total	91		-		75-125	-		
Cadmium, Total	93		-		75-125	-		
Calcium, Total	85		-		73-128	-		
Chromium, Total	83		-		70-130	-		
Cobalt, Total	94		-		75-125	-		
Copper, Total	78		-		75-125	-		
Iron, Total	66		-		35-165	-		
Lead, Total	78		-		72-128	-		
Magnesium, Total	77		-		62-138	-		
Manganese, Total	85		-		74-126	-		
Nickel, Total	91		-		70-130	-		
Potassium, Total	68		-		59-141	-		
Selenium, Total	89		-		68-132	-		
Silver, Total	77		-		68-131	-		
Sodium, Total	97		-		35-165	-		
Thallium, Total	88		-		68-131	-		
Vanadium, Total	76		-		59-141	-		

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 197 CANAL STREET

**Lab Number:** L2111885

**Project Number:** 197 CANAL STREET

**Report Date:** 03/24/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-16 Batch: WG1473426-2 SRM Lot Number: D109-540					
Zinc, Total	82	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-16 Batch: WG1473427-2 SRM Lot Number: D109-540					
Mercury, Total	74	-	60-140	-	

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 17 Batch: WG1473837-2					
Aluminum, Total	96	-	80-120	-	
Antimony, Total	90	-	80-120	-	
Arsenic, Total	106	-	80-120	-	
Barium, Total	101	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	97	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Cobalt, Total	99	-	80-120	-	
Copper, Total	101	-	80-120	-	
Iron, Total	99	-	80-120	-	
Lead, Total	101	-	80-120	-	
Magnesium, Total	99	-	80-120	-	
Manganese, Total	97	-	80-120	-	
Nickel, Total	96	-	80-120	-	
Potassium, Total	99	-	80-120	-	
Selenium, Total	110	-	80-120	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	98	-	80-120	-	
Thallium, Total	100	-	80-120	-	
Vanadium, Total	98	-	80-120	-	

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 197 CANAL STREET

**Lab Number:** L2111885

**Project Number:** 197 CANAL STREET

**Report Date:** 03/24/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 17 Batch: WG1473837-2					
Zinc, Total	106	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 17 Batch: WG1473842-2					
Mercury, Total	112	-	80-120	-	



## Matrix Spike Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

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): 01-16    QC Batch ID: WG1473426-3    QC Sample: L2111904-03    Client ID: MS Sample												
Aluminum, Total	5070	188	6690	862	Q	-	-		75-125	-		20
Antimony, Total	0.492J	47	29.0	62	Q	-	-		75-125	-		20
Arsenic, Total	16.7	11.3	41.3	218	Q	-	-		75-125	-		20
Barium, Total	346	188	571	120		-	-		75-125	-		20
Beryllium, Total	0.219J	4.7	4.67	99		-	-		75-125	-		20
Cadmium, Total	0.802J	4.79	5.44	114		-	-		75-125	-		20
Calcium, Total	4040	940	5340	138	Q	-	-		75-125	-		20
Chromium, Total	14.2	18.8	33.8	104		-	-		75-125	-		20
Cobalt, Total	5.37	47	47.0	89		-	-		75-125	-		20
Copper, Total	1210	23.5	915	0	Q	-	-		75-125	-		20
Iron, Total	12000	94	16700	5000	Q	-	-		75-125	-		20
Lead, Total	224	47.9	298	154	Q	-	-		75-125	-		20
Magnesium, Total	2080	940	3740	177	Q	-	-		75-125	-		20
Manganese, Total	195	47	256	130	Q	-	-		75-125	-		20
Nickel, Total	9.85	47	50.5	86		-	-		75-125	-		20
Potassium, Total	436	940	1370	99		-	-		75-125	-		20
Selenium, Total	0.702J	11.3	10.2	90		-	-		75-125	-		20
Silver, Total	ND	28.2	25.9	92		-	-		75-125	-		20
Sodium, Total	136J	940	1140	121		-	-		75-125	-		20
Thallium, Total	ND	11.3	9.65	86		-	-		75-125	-		20
Vanadium, Total	15.6	47	59.2	93		-	-		75-125	-		20

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

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): 01-16 QC Batch ID: WG1473426-3 QC Sample: L2111904-03 Client ID: MS Sample									
Zinc, Total	417	47	524	228	Q	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1473427-3 QC Sample: L2111904-03 Client ID: MS Sample									
Mercury, Total	55.4	0.166	25.1	0	Q	-	80-120	-	20

### Matrix Spike Analysis Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

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): 17    QC Batch ID: WG1473837-3    QC Sample: L2112292-04    Client ID: MS Sample									
Aluminum, Total	ND	2	1.84	92	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.4075	82	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.1221	102	-	-	75-125	-	20
Barium, Total	ND	2	1.951	98	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05136	103	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05324	104	-	-	75-125	-	20
Calcium, Total	0.048J	10	9.62	96	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.1873	94	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.4728	94	-	-	75-125	-	20
Copper, Total	ND	0.25	0.2391	96	-	-	75-125	-	20
Iron, Total	ND	1	1.14	114	-	-	75-125	-	20
Lead, Total	ND	0.51	0.4995	98	-	-	75-125	-	20
Magnesium, Total	ND	10	9.60	96	-	-	75-125	-	20
Manganese, Total	ND	0.5	0.4696	94	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.4582	92	-	-	75-125	-	20
Potassium, Total	ND	10	9.66	97	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.130	108	-	-	75-125	-	20
Silver, Total	ND	0.05	0.04916	98	-	-	75-125	-	20
Sodium, Total	0.262	10	9.73	95	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1189	99	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4651	93	-	-	75-125	-	20

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

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): 17 QC Batch ID: WG1473837-3 QC Sample: L2112292-04 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.5104	102	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 17 QC Batch ID: WG1473842-3 WG1473842-4 QC Sample: L2111944-09 Client ID: MS Sample									
Mercury, Total	0.00033	0.005	0.00522	98	0.00531	100	75-125	2	20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1473426-4 QC Sample: L2111904-03 Client ID: DUP Sample						
Aluminum, Total	5070	5380	mg/kg	6		20
Antimony, Total	0.492J	0.752J	mg/kg	NC		20
Arsenic, Total	16.7	21.5	mg/kg	25	Q	20
Barium, Total	346	370	mg/kg	7		20
Beryllium, Total	0.219J	0.260J	mg/kg	NC		20
Cadmium, Total	0.802J	0.694J	mg/kg	NC		20
Calcium, Total	4040	2850	mg/kg	35	Q	20
Chromium, Total	14.2	14.5	mg/kg	2		20
Cobalt, Total	5.37	6.28	mg/kg	16		20
Copper, Total	1210	421	mg/kg	97	Q	20
Iron, Total	12000	12500	mg/kg	4		20
Lead, Total	224	224	mg/kg	0		20
Magnesium, Total	2080	2040	mg/kg	2		20
Manganese, Total	195	186	mg/kg	5		20
Nickel, Total	9.85	9.77	mg/kg	1		20
Potassium, Total	436	443	mg/kg	2		20
Selenium, Total	0.702J	0.733J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	136J	126J	mg/kg	NC		20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
<b>Total Metals - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1473426-4 QC Sample: L2111904-03 Client ID: DUP Sample</b>					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	15.6	16.7	mg/kg	7	20
Zinc, Total	417	343	mg/kg	19	20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1473427-4 QC Sample: L2111904-03 Client ID: DUP Sample</b>					
Mercury, Total	55.4	20.0	mg/kg	94	Q 20
<b>Total Metals - Mansfield Lab Associated sample(s): 17 QC Batch ID: WG1473837-4 QC Sample: L2112292-04 Client ID: DUP Sample</b>					
Arsenic, Total	ND	ND	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREE

**Lab Serial Dilution  
Analysis  
Batch Quality Control**

Lab Number: L2111885

Report Date: 03/24/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1473426-6 QC Sample: L2111904-03 Client ID: DUP Sample						
Aluminum, Total	5070	5630	mg/kg	11		20
Barium, Total	346	377	mg/kg	9		20
Calcium, Total	4040	4510	mg/kg	12		20
Copper, Total	1210	1340	mg/kg	11		20
Iron, Total	12000	13400	mg/kg	12		20
Lead, Total	224	257	mg/kg	15		20
Magnesium, Total	2080	2380	mg/kg	14		20
Manganese, Total	195	218	mg/kg	12		20
Zinc, Total	417	469	mg/kg	12		20

# **INORGANICS & MISCELLANEOUS**



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-01

Date Collected: 03/10/21 10:05

Client ID: SB-1 (0-2)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	92.1		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-02

Date Collected: 03/10/21 10:10

Client ID: SB-1 (3-5)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	92.9		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-03

Date Collected: 03/10/21 11:25

Client ID: SB-2 (0-2)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	94.4		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-04

Date Collected: 03/10/21 11:30

Client ID: SB-2 (3-5)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.0		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI



Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-05

Client ID: SB-3 (0-2)

Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 08:50

Date Received: 03/10/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.0		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-06

Date Collected: 03/10/21 08:55

Client ID: SB-3 (4-6)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	82.1		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI



Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-07

Client ID: SB-3 (4-6)\_DUP

Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 09:00

Date Received: 03/10/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	83.6		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-08

Date Collected: 03/10/21 11:00

Client ID: SB-4 (0-2)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	97.7		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI





Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-09

Date Collected: 03/10/21 11:05

Client ID: SB-4 (4-6)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	92.4		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI



Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-10

Client ID: SB-5 (0-2)

Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:35

Date Received: 03/10/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	94.7		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI



Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-11

Client ID: SB-5 (4-6)

Sample Location: STATEN ISLAND, NY

Date Collected: 03/10/21 10:40

Date Received: 03/10/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	94.6		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-12

Date Collected: 03/10/21 09:20

Client ID: SB-6 (0-2)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.2		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-13

Date Collected: 03/10/21 09:25

Client ID: SB-6 (4-6)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.8		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-14

Date Collected: 03/10/21 09:30

Client ID: SB-6 (7-9)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	78.9		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

**SAMPLE RESULTS**

Lab ID: L2111885-15

Date Collected: 03/10/21 09:45

Client ID: SB-7 (0-2)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	98.7		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI



Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

## SAMPLE RESULTS

Lab ID: L2111885-16

Date Collected: 03/10/21 09:50

Client ID: SB-7 (4-6)

Date Received: 03/10/21

Sample Location: STATEN ISLAND, NY

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	88.6		%	0.100	NA	1	-	03/11/21 08:43	121,2540G	RI





## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2111885

Report Date: 03/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG1473124-1 QC Sample: L2111885-01 Client ID: SB-1 (0-2)						
Solids, Total	92.1	91.7	%	0		20

**Project Name:** 197 CANAL STREET**Lab Number:** L2111885**Project Number:** 197 CANAL STREET**Report Date:** 03/24/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent
B	Absent
C	Absent
D	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2111885-01A	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-01B	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-01C	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-01D	Plastic 2oz unpreserved for TS	C	NA		2.6	Y	Absent		TS(7)
L2111885-01E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2111885-01F	Glass 250ml/8oz unpreserved	C	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-01X	Vial MeOH preserved split	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-01Y	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-01Z	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-02A	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-02B	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-02C	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-02D	Plastic 2oz unpreserved for TS	C	NA		2.6	Y	Absent		TS(7)
L2111885-02E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2111885-02F	Glass 250ml/8oz unpreserved	C	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-02X	Vial MeOH preserved split	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-02Y	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-02Z	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-03A	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-03B	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-03C	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-03D	Plastic 2oz unpreserved for TS	D	NA		3.2	Y	Absent		TS(7)
L2111885-03E	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2111885-03F	Glass 250ml/8oz unpreserved	D	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-03X	Vial MeOH preserved split	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-03Y	Vial Water preserved split	D	NA		3.2	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-03Z	Vial Water preserved split	D	NA		3.2	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-04A	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-04B	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-04C	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-04D	Plastic 2oz unpreserved for TS	D	NA		3.2	Y	Absent		TS(7)
L2111885-04E	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2111885-04F	Glass 250ml/8oz unpreserved	D	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-04X	Vial MeOH preserved split	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-04Y	Vial Water preserved split	D	NA		3.2	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-04Z	Vial Water preserved split	D	NA		3.2	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2111885-05A	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-05B	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-05C	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-05D	Plastic 2oz unpreserved for TS	C	NA		2.6	Y	Absent		TS(7)
L2111885-05E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2111885-05F	Glass 250ml/8oz unpreserved	C	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-05X	Vial MeOH preserved split	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-05Y	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-05Z	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-06A	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-06B	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-06C	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-06D	Plastic 2oz unpreserved for TS	C	NA		2.6	Y	Absent		TS(7)
L2111885-06E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2111885-06F	Glass 250ml/8oz unpreserved	C	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-06X	Vial MeOH preserved split	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-06Y	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-06Z	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-07A	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-07B	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-07C	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-07D	Plastic 2oz unpreserved for TS	C	NA		2.6	Y	Absent		TS(7)

Project Name: 197 CANAL STREET

Lab Number: L2111885

Project Number: 197 CANAL STREET

Report Date: 03/24/21

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2111885-07E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.6	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),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2111885-07F	Glass 250ml/8oz unpreserved	C	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-07X	Vial MeOH preserved split	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-07Y	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-07Z	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-08A	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-08B	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-08C	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-08D	Plastic 2oz unpreserved for TS	D	NA		3.2	Y	Absent		TS(7)
L2111885-08E	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2111885-08F	Glass 250ml/8oz unpreserved	D	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-08X	Vial MeOH preserved split	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-08Y	Vial Water preserved split	D	NA		3.2	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-08Z	Vial Water preserved split	D	NA		3.2	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-09A	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-09B	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-09C	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-09D	Plastic 2oz unpreserved for TS	D	NA		3.2	Y	Absent		TS(7)
L2111885-09E	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2111885-09F	Glass 250ml/8oz unpreserved	D	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

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<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2111885-09X	Vial MeOH preserved split	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-09Y	Vial Water preserved split	D	NA		3.2	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-09Z	Vial Water preserved split	D	NA		3.2	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-10A	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-10B	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-10C	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-10D	Plastic 2oz unpreserved for TS	D	NA		3.2	Y	Absent		TS(7)
L2111885-10E	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2111885-10F	Glass 250ml/8oz unpreserved	D	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-10X	Vial MeOH preserved split	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-10Y	Vial Water preserved split	D	NA		3.2	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-10Z	Vial Water preserved split	D	NA		3.2	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-11A	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-11B	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-11C	5 gram Encore Sampler	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-11D	Plastic 2oz unpreserved for TS	D	NA		3.2	Y	Absent		TS(7)
L2111885-11E	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2111885-11F	Glass 250ml/8oz unpreserved	D	NA		3.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-11X	Vial MeOH preserved split	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2111885-11Y	Vial Water preserved split	D	NA		3.2	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-11Z	Vial Water preserved split	D	NA		3.2	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-12A	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-12B	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)

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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2111885-12C	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-12D	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2111885-12E	Glass 60mL/2oz unpreserved	C	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-12F	Plastic 2oz unpreserved for TS	C	NA		2.6	Y	Absent		TS(7)
L2111885-12G	Plastic 2oz unpreserved for TS	B	NA		3.2	Y	Absent		TS(7)
L2111885-12H	Glass 250ml/8oz unpreserved	C	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-12J	Plastic 8oz unpreserved	B	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2111885-12X	Vial MeOH preserved split	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-12Y	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-12Z	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-13A	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-13B	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-13C	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-13D	Plastic 2oz unpreserved for TS	C	NA		2.6	Y	Absent		TS(7)
L2111885-13E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2111885-13F	Glass 250ml/8oz unpreserved	C	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-13X	Vial MeOH preserved split	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-13Y	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-13Z	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-14A	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-14B	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-14C	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)

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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2111885-14D	Plastic 2oz unpreserved for TS	C	NA		2.6	Y	Absent		TS(7)
L2111885-14E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2111885-14F	Glass 250ml/8oz unpreserved	C	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-14X	Vial MeOH preserved split	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-14Y	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-14Z	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-15A	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-15B	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-15C	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-15D	Plastic 2oz unpreserved for TS	C	NA		2.6	Y	Absent		TS(7)
L2111885-15E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180)
L2111885-15F	Glass 250ml/8oz unpreserved	C	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-15X	Vial MeOH preserved split	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-15Y	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-15Z	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-16A	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-16B	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-16C	5 gram Encore Sampler	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-16D	Plastic 2oz unpreserved for TS	C	NA		2.6	Y	Absent		TS(7)
L2111885-16E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)



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**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2111885-16F	Glass 250ml/8oz unpreserved	C	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2111885-16X	Vial MeOH preserved split	C	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2111885-16Y	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-16Z	Vial Water preserved split	C	NA		2.6	Y	Absent	11-MAR-21 08:27	NYTCL-8260HLW(14)
L2111885-17A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2111885-17B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2111885-17C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2111885-17D	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8081(7)
L2111885-17E	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8081(7)
L2111885-17F	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L2111885-17G	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L2111885-17H	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2111885-17I	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2111885-17J	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2111885-17K	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2111885-17L	Plastic 250ml HNO3 preserved	A	<2	<2	3.8	Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),NI-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CO-6020T(180)
L2111885-17M	Plastic 250ml unpreserved	B	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2111885-18A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L2111885-18B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)

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### PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
<b>PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)</b>		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
<b>PERFLUOROALKYL SULFONIC ACIDS (PFSAs)</b>		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
<b>FLUOROTELOMERS</b>		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
<b>PERFLUOROALKANE SULFONAMIDES (FASAs)</b>		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
<b>PERFLUOROALKANE SULFONYL SUBSTANCES</b>		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
<b>PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS</b>		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
<b>CHLORO-PERFLUOROALKYL SULFONIC ACIDS</b>		
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
<b>PERFLUOROETHER SULFONIC ACIDS (PFESAs)</b>		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEEESA	113507-82-7
<b>PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)</b>		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
**Report Date:** 03/24/21

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 197 CANAL STREET  
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#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**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 Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- 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.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- 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.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 197 CANAL STREET  
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**Data Qualifiers**

- 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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**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2111885  
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## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### 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, SM4500NO2-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, SM9222D.**

### 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, EPA 537.1.**

#### 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.

 <b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page	Date Rec'd in Lab	ALPHA Job #			
		1 of 2	3/10/21	L2111885			
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: 508-822-3286	<b>Project Information</b> Project Name: 197 Canal Street Project Location: Staten Island, NY		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other	<b>Billing Information</b> <input checked="" type="checkbox"/> Same as Client Info PO #		
<b>Client Information</b> Client: Tenen Environmental Address: 121 West 27th Street Suite 702, NY, NY 10001 Phone: 646-606-2332 Fax: aplatt@tenen-env.com Email: mcarroll@tenen-env.com		Project # _____ (Use Project name as Project #) <input checked="" type="checkbox"/>		<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input checked="" type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge	<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:		
Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: _____ Rush (only if pre approved) <input type="checkbox"/> # of Days: _____		<b>ANALYSIS</b>			<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do (Please Specify below)		
These samples have been previously analyzed by Alpha <input type="checkbox"/>		<b>Other project specific requirements/comments:</b> Cat B deliverables			Total Bottles		
Please specify Metals or TAL.							
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date    Time	Sample Matrix	Sampler's Initials	VOCs    SVOCs    TAL Metals    Pesticides    PCBs	Sample Specific Comments	
11885 -01	SB-1 (0-2)	3/10/21 10:05	Soil	AP	X X X X X		
-02	SB-1 (3-5)	10:10			X X X X X		
-03	SB-2 (0-2)	11:25			X X X X X		
-04	SB-2 (3-5)	11:30			X X X X X		
-05	SB-3 (0-2)	8:50			X X X X X		
-06	SB-3 (4-6)	8:55			X X X X X		
-07	SB-3 (4-6) - DUP	9:00			X X X X X		
-08	SB-4 (0-2)	11:00			X X X X X		
-09	SB-4 (4-6)	11:05			X X X X X		
-10	SB-5 (0-2)	10:35			X X X X X		
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 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: E A A A A Preservative: A A A A A	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.)
Relinquished By: A. Platt / Tenen		Date/Time: 3/10/21 13:50		Received By: [Signature]		Date/Time: 3/10/21 13:50	
Relinquished By: [Signature]		Date/Time: 3/10/21 16:20		Received By: [Signature]		Date/Time: 3/10/21 16:40	
Relinquished By: [Signature]		Date/Time: 3/10/21 2:22		Received By: [Signature]		Date/Time: 3/10/21 2:22	



 <b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page	Date Rec'd in Lab	ALPHA Job #										
		2 of 2	3/10/21	L2111885										
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	<b>Project Information</b> Project Name: 197 Canal Street Project Location: Staten Island, NY		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other	<b>Billing Information</b> <input type="checkbox"/> Same as Client Info PO #									
<b>Client Information</b> Client: Tenen Environmental Address: 121 West 27th Street Suite 702, NY, NY 10001 Phone: 646-606-2332 Fax: aplatt@tenen-env.com Email: mcarroll@tenen-env.com	Project # (Use Project name as Project #) <input checked="" type="checkbox"/> Project Manager: Mr. Carroll ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:	<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input checked="" type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:										
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: Cat B deliverables Please specify Metals or TAL.		<b>ANALYSIS</b>				<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do (Please Specify below)								
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	VOCs	SVOCs	TAL Metals	Pesticides	PCBs	PFAS	1,4-Dioxane	Sample Specific Comments	Total Bottles
11885 - 11	SB-5 (4-6)	3/10/21	10:40	Soil	AP	X	X	X	X	X				6
- 12	SB-6 (0-2)		9:20			X	X	X	X	X				9
- 13	SB-6 (4-6)		9:25			X	X	X	X	X				6
- 14	SB-6 (7-9)		9:30			X	X	X	X	X				6
- 15	SB-7 (0-2)		9:45			X	X	X	X	X				6
- 16	SB-7 (4-6)		9:50			X	X	X	X	X				6
- 17	Field Blank		11:40	Water		X	X	X	X	X	X	X		13
- 18	Trip Blank					X								2
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 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		E A A A A P A A A A A A A A		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.)				
Relinquished By: A. Platt / Tenen Paul Maszella		Date/Time 3/10/21 13:50 3/10/21 16:20 3/10/21 2:22		Received By: Paul Maszella Paul Maszella		Date/Time 3/10/21 13:50 3/10/21 11:45 3/10/21 2:22								



## ANALYTICAL REPORT

Lab Number:	L2112211
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Matthew Carroll
Phone:	(646) 606-2332
Project Name:	197 CANAL STREET
Project Number:	197 CANAL STREET
Report Date:	03/18/21

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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).

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



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2112211-01	SV-1	SOIL_VAPOR	STATEN ISLAND, NY	03/11/21 10:17	03/11/21
L2112211-02	SV-2	SOIL_VAPOR	STATEN ISLAND, NY	03/11/21 10:18	03/11/21
L2112211-03	SV-3	SOIL_VAPOR	STATEN ISLAND, NY	03/11/21 10:21	03/11/21
L2112211-04	SV-4	SOIL_VAPOR	STATEN ISLAND, NY	03/11/21 10:14	03/11/21
L2112211-05	SV-5	SOIL_VAPOR	STATEN ISLAND, NY	03/11/21 10:22	03/11/21
L2112211-06	SV-6	SOIL_VAPOR	STATEN ISLAND, NY	03/11/21 10:23	03/11/21

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

### 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.

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**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

### Case Narrative (continued)

#### Volatile Organics in Air

Canisters were released from the laboratory on March 11, 2021. The canister certification results are provided as an addendum.

L2112211-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2112211-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2112211-03D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2112211-04D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2112211-05D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2112211-06D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 03/18/21

**AIR**

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

### SAMPLE RESULTS

Lab ID: L2112211-01 D  
 Client ID: SV-1  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:17  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/18/21 00:14  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	27.3	25.0	--	51.4	47.1	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	33.2	5.00	--	78.9	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	ND	2.50	--	ND	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	ND	2.50	--	ND	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	ND	1.00	--	ND	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	306	2.50	--	902	7.37	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

**SAMPLE RESULTS**

Lab ID: L2112211-01 D  
 Client ID: SV-1  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:17  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	ND	2.50	--	ND	7.37	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	1.26	1.00	--	4.44	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	ND	1.00	--	ND	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	ND	1.00	--	ND	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	2.04	1.00	--	8.36	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	3.91	1.00	--	14.7	3.77	--		5
2-Hexanone	25.3	1.00	--	104	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	ND	1.00	--	ND	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	1.82	1.00	--	7.91	4.34	--		5





**Project Name:** 197 CANAL STREET**Lab Number:** L2112211**Project Number:** 197 CANAL STREET**Report Date:** 03/18/21**SAMPLE RESULTS**

Lab ID: L2112211-01 D  
 Client ID: SV-1  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:17  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	10.8	2.00	--	46.9	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	9.22	1.00	--	40.0	4.34	--		5
4-Ethyltoluene	4.76	1.00	--	23.4	4.92	--		5
1,3,5-Trimethylbenzene	8.10	1.00	--	39.8	4.92	--		5
1,2,4-Trimethylbenzene	20.9	1.00	--	103	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	78		60-140



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

### SAMPLE RESULTS

Lab ID: L2112211-02 D  
 Client ID: SV-2  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:18  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/18/21 00:44  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	ND	0.769	--	ND	3.80	--		3.846
Chloromethane	ND	0.769	--	ND	1.59	--		3.846
Freon-114	ND	0.769	--	ND	5.38	--		3.846
Vinyl chloride	ND	0.769	--	ND	1.97	--		3.846
1,3-Butadiene	ND	0.769	--	ND	1.70	--		3.846
Bromomethane	ND	0.769	--	ND	2.99	--		3.846
Chloroethane	ND	0.769	--	ND	2.03	--		3.846
Ethanol	22.5	19.2	--	42.4	36.2	--		3.846
Vinyl bromide	ND	0.769	--	ND	3.36	--		3.846
Acetone	28.3	3.85	--	67.2	9.15	--		3.846
Trichlorofluoromethane	ND	0.769	--	ND	4.32	--		3.846
Isopropanol	ND	1.92	--	ND	4.72	--		3.846
1,1-Dichloroethene	ND	0.769	--	ND	3.05	--		3.846
Tertiary butyl Alcohol	ND	1.92	--	ND	5.82	--		3.846
Methylene chloride	ND	1.92	--	ND	6.67	--		3.846
3-Chloropropene	ND	0.769	--	ND	2.41	--		3.846
Carbon disulfide	ND	0.769	--	ND	2.39	--		3.846
Freon-113	ND	0.769	--	ND	5.89	--		3.846
trans-1,2-Dichloroethene	ND	0.769	--	ND	3.05	--		3.846
1,1-Dichloroethane	ND	0.769	--	ND	3.11	--		3.846
Methyl tert butyl ether	ND	0.769	--	ND	2.77	--		3.846
2-Butanone	233	1.92	--	687	5.66	--		3.846
cis-1,2-Dichloroethene	ND	0.769	--	ND	3.05	--		3.846



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

### SAMPLE RESULTS

Lab ID: L2112211-02 D  
 Client ID: SV-2  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:18  
 Date Received: 03/11/21  
 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	1.92	--	ND	6.92	--		3.846
Chloroform	ND	0.769	--	ND	3.76	--		3.846
Tetrahydrofuran	ND	1.92	--	ND	5.66	--		3.846
1,2-Dichloroethane	ND	0.769	--	ND	3.11	--		3.846
n-Hexane	0.858	0.769	--	3.02	2.71	--		3.846
1,1,1-Trichloroethane	ND	0.769	--	ND	4.20	--		3.846
Benzene	ND	0.769	--	ND	2.46	--		3.846
Carbon tetrachloride	ND	0.769	--	ND	4.84	--		3.846
Cyclohexane	ND	0.769	--	ND	2.65	--		3.846
1,2-Dichloropropane	ND	0.769	--	ND	3.55	--		3.846
Bromodichloromethane	ND	0.769	--	ND	5.15	--		3.846
1,4-Dioxane	ND	0.769	--	ND	2.77	--		3.846
Trichloroethene	ND	0.769	--	ND	4.13	--		3.846
2,2,4-Trimethylpentane	ND	0.769	--	ND	3.59	--		3.846
Heptane	1.22	0.769	--	5.00	3.15	--		3.846
cis-1,3-Dichloropropene	ND	0.769	--	ND	3.49	--		3.846
4-Methyl-2-pentanone	ND	1.92	--	ND	7.87	--		3.846
trans-1,3-Dichloropropene	ND	0.769	--	ND	3.49	--		3.846
1,1,2-Trichloroethane	ND	0.769	--	ND	4.20	--		3.846
Toluene	3.13	0.769	--	11.8	2.90	--		3.846
2-Hexanone	15.6	0.769	--	63.9	3.15	--		3.846
Dibromochloromethane	ND	0.769	--	ND	6.55	--		3.846
1,2-Dibromoethane	ND	0.769	--	ND	5.91	--		3.846
Tetrachloroethene	ND	0.769	--	ND	5.21	--		3.846
Chlorobenzene	ND	0.769	--	ND	3.54	--		3.846
Ethylbenzene	1.65	0.769	--	7.17	3.34	--		3.846



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

### SAMPLE RESULTS

Lab ID: L2112211-02 D  
 Client ID: SV-2  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:18  
 Date Received: 03/11/21  
 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	10.5	1.54	--	45.6	6.69	--		3.846
Bromoform	ND	0.769	--	ND	7.95	--		3.846
Styrene	ND	0.769	--	ND	3.27	--		3.846
1,1,2,2-Tetrachloroethane	ND	0.769	--	ND	5.28	--		3.846
o-Xylene	9.13	0.769	--	39.7	3.34	--		3.846
4-Ethyltoluene	4.87	0.769	--	23.9	3.78	--		3.846
1,3,5-Trimethylbenzene	9.01	0.769	--	44.3	3.78	--		3.846
1,2,4-Trimethylbenzene	22.8	0.769	--	112	3.78	--		3.846
Benzyl chloride	ND	0.769	--	ND	3.98	--		3.846
1,3-Dichlorobenzene	ND	0.769	--	ND	4.62	--		3.846
1,4-Dichlorobenzene	ND	0.769	--	ND	4.62	--		3.846
1,2-Dichlorobenzene	ND	0.769	--	ND	4.62	--		3.846
1,2,4-Trichlorobenzene	ND	0.769	--	ND	5.71	--		3.846
Hexachlorobutadiene	ND	0.769	--	ND	8.20	--		3.846

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	75		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	81		60-140



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

### SAMPLE RESULTS

Lab ID: L2112211-03 D  
 Client ID: SV-3  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:21  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/18/21 03:02  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.67	--	ND	8.26	--		8.333
Chloromethane	ND	1.67	--	ND	3.45	--		8.333
Freon-114	ND	1.67	--	ND	11.7	--		8.333
Vinyl chloride	ND	1.67	--	ND	4.27	--		8.333
1,3-Butadiene	2.65	1.67	--	5.86	3.69	--		8.333
Bromomethane	ND	1.67	--	ND	6.48	--		8.333
Chloroethane	ND	1.67	--	ND	4.41	--		8.333
Ethanol	42.5	41.7	--	80.1	78.6	--		8.333
Vinyl bromide	ND	1.67	--	ND	7.30	--		8.333
Acetone	55.2	8.33	--	131	19.8	--		8.333
Trichlorofluoromethane	ND	1.67	--	ND	9.38	--		8.333
Isopropanol	ND	4.17	--	ND	10.3	--		8.333
1,1-Dichloroethene	ND	1.67	--	ND	6.62	--		8.333
Tertiary butyl Alcohol	ND	4.17	--	ND	12.6	--		8.333
Methylene chloride	ND	4.17	--	ND	14.5	--		8.333
3-Chloropropene	ND	1.67	--	ND	5.23	--		8.333
Carbon disulfide	2.76	1.67	--	8.59	5.20	--		8.333
Freon-113	ND	1.67	--	ND	12.8	--		8.333
trans-1,2-Dichloroethene	ND	1.67	--	ND	6.62	--		8.333
1,1-Dichloroethane	ND	1.67	--	ND	6.76	--		8.333
Methyl tert butyl ether	ND	1.67	--	ND	6.02	--		8.333
2-Butanone	418	4.17	--	1230	12.3	--		8.333
cis-1,2-Dichloroethene	ND	1.67	--	ND	6.62	--		8.333



**Project Name:** 197 CANAL STREET**Lab Number:** L2112211**Project Number:** 197 CANAL STREET**Report Date:** 03/18/21**SAMPLE RESULTS**

Lab ID: L2112211-03 D  
 Client ID: SV-3  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:21  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	4.17	--	ND	15.0	--		8.333
Chloroform	ND	1.67	--	ND	8.16	--		8.333
Tetrahydrofuran	ND	4.17	--	ND	12.3	--		8.333
1,2-Dichloroethane	ND	1.67	--	ND	6.76	--		8.333
n-Hexane	2.56	1.67	--	9.02	5.89	--		8.333
1,1,1-Trichloroethane	ND	1.67	--	ND	9.11	--		8.333
Benzene	2.81	1.67	--	8.98	5.34	--		8.333
Carbon tetrachloride	ND	1.67	--	ND	10.5	--		8.333
Cyclohexane	ND	1.67	--	ND	5.75	--		8.333
1,2-Dichloropropane	ND	1.67	--	ND	7.72	--		8.333
Bromodichloromethane	ND	1.67	--	ND	11.2	--		8.333
1,4-Dioxane	ND	1.67	--	ND	6.02	--		8.333
Trichloroethene	ND	1.67	--	ND	8.97	--		8.333
2,2,4-Trimethylpentane	ND	1.67	--	ND	7.80	--		8.333
Heptane	2.61	1.67	--	10.7	6.84	--		8.333
cis-1,3-Dichloropropene	ND	1.67	--	ND	7.58	--		8.333
4-Methyl-2-pentanone	ND	4.17	--	ND	17.1	--		8.333
trans-1,3-Dichloropropene	ND	1.67	--	ND	7.58	--		8.333
1,1,2-Trichloroethane	ND	1.67	--	ND	9.11	--		8.333
Toluene	4.89	1.67	--	18.4	6.29	--		8.333
2-Hexanone	24.8	1.67	--	102	6.84	--		8.333
Dibromochloromethane	ND	1.67	--	ND	14.2	--		8.333
1,2-Dibromoethane	ND	1.67	--	ND	12.8	--		8.333
Tetrachloroethene	ND	1.67	--	ND	11.3	--		8.333
Chlorobenzene	ND	1.67	--	ND	7.69	--		8.333
Ethylbenzene	1.90	1.67	--	8.25	7.25	--		8.333



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

**SAMPLE RESULTS**

Lab ID: L2112211-03 D  
 Client ID: SV-3  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:21  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	15.2	3.33	--	66.0	14.5	--		8.333
Bromoform	ND	1.67	--	ND	17.3	--		8.333
Styrene	ND	1.67	--	ND	7.11	--		8.333
1,1,2,2-Tetrachloroethane	ND	1.67	--	ND	11.5	--		8.333
o-Xylene	14.9	1.67	--	64.7	7.25	--		8.333
4-Ethyltoluene	8.50	1.67	--	41.8	8.21	--		8.333
1,3,5-Trimethylbenzene	17.4	1.67	--	85.5	8.21	--		8.333
1,2,4-Trimethylbenzene	41.2	1.67	--	203	8.21	--		8.333
Benzyl chloride	ND	1.67	--	ND	8.65	--		8.333
1,3-Dichlorobenzene	ND	1.67	--	ND	10.0	--		8.333
1,4-Dichlorobenzene	ND	1.67	--	ND	10.0	--		8.333
1,2-Dichlorobenzene	ND	1.67	--	ND	10.0	--		8.333
1,2,4-Trichlorobenzene	ND	1.67	--	ND	12.4	--		8.333
Hexachlorobutadiene	ND	1.67	--	ND	17.8	--		8.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	85		60-140



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

**SAMPLE RESULTS**

Lab ID: L2112211-04 D  
 Client ID: SV-4  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:14  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/18/21 03:32  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	ND	1.67	--	ND	8.26	--		8.333
Chloromethane	ND	1.67	--	ND	3.45	--		8.333
Freon-114	ND	1.67	--	ND	11.7	--		8.333
Vinyl chloride	ND	1.67	--	ND	4.27	--		8.333
1,3-Butadiene	ND	1.67	--	ND	3.69	--		8.333
Bromomethane	ND	1.67	--	ND	6.48	--		8.333
Chloroethane	ND	1.67	--	ND	4.41	--		8.333
Ethanol	ND	41.7	--	ND	78.6	--		8.333
Vinyl bromide	ND	1.67	--	ND	7.30	--		8.333
Acetone	65.3	8.33	--	155	19.8	--		8.333
Trichlorofluoromethane	ND	1.67	--	ND	9.38	--		8.333
Isopropanol	ND	4.17	--	ND	10.3	--		8.333
1,1-Dichloroethene	ND	1.67	--	ND	6.62	--		8.333
Tertiary butyl Alcohol	ND	4.17	--	ND	12.6	--		8.333
Methylene chloride	ND	4.17	--	ND	14.5	--		8.333
3-Chloropropene	ND	1.67	--	ND	5.23	--		8.333
Carbon disulfide	ND	1.67	--	ND	5.20	--		8.333
Freon-113	ND	1.67	--	ND	12.8	--		8.333
trans-1,2-Dichloroethene	ND	1.67	--	ND	6.62	--		8.333
1,1-Dichloroethane	ND	1.67	--	ND	6.76	--		8.333
Methyl tert butyl ether	ND	1.67	--	ND	6.02	--		8.333
2-Butanone	410	4.17	--	1210	12.3	--		8.333
cis-1,2-Dichloroethene	ND	1.67	--	ND	6.62	--		8.333





**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

**SAMPLE RESULTS**

Lab ID: L2112211-04 D  
 Client ID: SV-4  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:14  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	4.17	--	ND	15.0	--		8.333
Chloroform	ND	1.67	--	ND	8.16	--		8.333
Tetrahydrofuran	ND	4.17	--	ND	12.3	--		8.333
1,2-Dichloroethane	ND	1.67	--	ND	6.76	--		8.333
n-Hexane	ND	1.67	--	ND	5.89	--		8.333
1,1,1-Trichloroethane	ND	1.67	--	ND	9.11	--		8.333
Benzene	ND	1.67	--	ND	5.34	--		8.333
Carbon tetrachloride	ND	1.67	--	ND	10.5	--		8.333
Cyclohexane	ND	1.67	--	ND	5.75	--		8.333
1,2-Dichloropropane	ND	1.67	--	ND	7.72	--		8.333
Bromodichloromethane	ND	1.67	--	ND	11.2	--		8.333
1,4-Dioxane	ND	1.67	--	ND	6.02	--		8.333
Trichloroethene	ND	1.67	--	ND	8.97	--		8.333
2,2,4-Trimethylpentane	ND	1.67	--	ND	7.80	--		8.333
Heptane	2.21	1.67	--	9.06	6.84	--		8.333
cis-1,3-Dichloropropene	ND	1.67	--	ND	7.58	--		8.333
4-Methyl-2-pentanone	ND	4.17	--	ND	17.1	--		8.333
trans-1,3-Dichloropropene	ND	1.67	--	ND	7.58	--		8.333
1,1,2-Trichloroethane	ND	1.67	--	ND	9.11	--		8.333
Toluene	4.41	1.67	--	16.6	6.29	--		8.333
2-Hexanone	28.5	1.67	--	117	6.84	--		8.333
Dibromochloromethane	ND	1.67	--	ND	14.2	--		8.333
1,2-Dibromoethane	ND	1.67	--	ND	12.8	--		8.333
Tetrachloroethene	ND	1.67	--	ND	11.3	--		8.333
Chlorobenzene	ND	1.67	--	ND	7.69	--		8.333
Ethylbenzene	2.32	1.67	--	10.1	7.25	--		8.333



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

**SAMPLE RESULTS**

Lab ID: L2112211-04 D  
 Client ID: SV-4  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:14  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	16.8	3.33	--	73.0	14.5	--		8.333
Bromoform	ND	1.67	--	ND	17.3	--		8.333
Styrene	ND	1.67	--	ND	7.11	--		8.333
1,1,2,2-Tetrachloroethane	ND	1.67	--	ND	11.5	--		8.333
o-Xylene	16.7	1.67	--	72.5	7.25	--		8.333
4-Ethyltoluene	10.2	1.67	--	50.1	8.21	--		8.333
1,3,5-Trimethylbenzene	19.3	1.67	--	94.9	8.21	--		8.333
1,2,4-Trimethylbenzene	50.1	1.67	--	246	8.21	--		8.333
Benzyl chloride	ND	1.67	--	ND	8.65	--		8.333
1,3-Dichlorobenzene	ND	1.67	--	ND	10.0	--		8.333
1,4-Dichlorobenzene	ND	1.67	--	ND	10.0	--		8.333
1,2-Dichlorobenzene	ND	1.67	--	ND	10.0	--		8.333
1,2,4-Trichlorobenzene	ND	1.67	--	ND	12.4	--		8.333
Hexachlorobutadiene	ND	1.67	--	ND	17.8	--		8.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	81		60-140



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

**SAMPLE RESULTS**

Lab ID: L2112211-05 D  
 Client ID: SV-5  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:22  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/18/21 04:03  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	ND	1.67	--	ND	8.26	--		8.333
Chloromethane	ND	1.67	--	ND	3.45	--		8.333
Freon-114	ND	1.67	--	ND	11.7	--		8.333
Vinyl chloride	ND	1.67	--	ND	4.27	--		8.333
1,3-Butadiene	ND	1.67	--	ND	3.69	--		8.333
Bromomethane	ND	1.67	--	ND	6.48	--		8.333
Chloroethane	ND	1.67	--	ND	4.41	--		8.333
Ethanol	56.0	41.7	--	106	78.6	--		8.333
Vinyl bromide	ND	1.67	--	ND	7.30	--		8.333
Acetone	105	8.33	--	249	19.8	--		8.333
Trichlorofluoromethane	ND	1.67	--	ND	9.38	--		8.333
Isopropanol	ND	4.17	--	ND	10.3	--		8.333
1,1-Dichloroethene	ND	1.67	--	ND	6.62	--		8.333
Tertiary butyl Alcohol	ND	4.17	--	ND	12.6	--		8.333
Methylene chloride	ND	4.17	--	ND	14.5	--		8.333
3-Chloropropene	ND	1.67	--	ND	5.23	--		8.333
Carbon disulfide	2.69	1.67	--	8.38	5.20	--		8.333
Freon-113	ND	1.67	--	ND	12.8	--		8.333
trans-1,2-Dichloroethene	ND	1.67	--	ND	6.62	--		8.333
1,1-Dichloroethane	ND	1.67	--	ND	6.76	--		8.333
Methyl tert butyl ether	ND	1.67	--	ND	6.02	--		8.333
2-Butanone	546	4.17	--	1610	12.3	--		8.333
cis-1,2-Dichloroethene	ND	1.67	--	ND	6.62	--		8.333



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

**SAMPLE RESULTS**

Lab ID: L2112211-05 D  
 Client ID: SV-5  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:22  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	4.17	--	ND	15.0	--		8.333
Chloroform	ND	1.67	--	ND	8.16	--		8.333
Tetrahydrofuran	ND	4.17	--	ND	12.3	--		8.333
1,2-Dichloroethane	ND	1.67	--	ND	6.76	--		8.333
n-Hexane	10.3	1.67	--	36.3	5.89	--		8.333
1,1,1-Trichloroethane	ND	1.67	--	ND	9.11	--		8.333
Benzene	7.01	1.67	--	22.4	5.34	--		8.333
Carbon tetrachloride	ND	1.67	--	ND	10.5	--		8.333
Cyclohexane	2.97	1.67	--	10.2	5.75	--		8.333
1,2-Dichloropropane	ND	1.67	--	ND	7.72	--		8.333
Bromodichloromethane	ND	1.67	--	ND	11.2	--		8.333
1,4-Dioxane	ND	1.67	--	ND	6.02	--		8.333
Trichloroethene	ND	1.67	--	ND	8.97	--		8.333
2,2,4-Trimethylpentane	ND	1.67	--	ND	7.80	--		8.333
Heptane	6.90	1.67	--	28.3	6.84	--		8.333
cis-1,3-Dichloropropene	ND	1.67	--	ND	7.58	--		8.333
4-Methyl-2-pentanone	ND	4.17	--	ND	17.1	--		8.333
trans-1,3-Dichloropropene	ND	1.67	--	ND	7.58	--		8.333
1,1,2-Trichloroethane	ND	1.67	--	ND	9.11	--		8.333
Toluene	6.19	1.67	--	23.3	6.29	--		8.333
2-Hexanone	33.8	1.67	--	139	6.84	--		8.333
Dibromochloromethane	ND	1.67	--	ND	14.2	--		8.333
1,2-Dibromoethane	ND	1.67	--	ND	12.8	--		8.333
Tetrachloroethene	ND	1.67	--	ND	11.3	--		8.333
Chlorobenzene	ND	1.67	--	ND	7.69	--		8.333
Ethylbenzene	2.33	1.67	--	10.1	7.25	--		8.333



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

**SAMPLE RESULTS**

Lab ID: L2112211-05 D  
 Client ID: SV-5  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:22  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	13.7	3.33	--	59.5	14.5	--		8.333
Bromoform	ND	1.67	--	ND	17.3	--		8.333
Styrene	ND	1.67	--	ND	7.11	--		8.333
1,1,2,2-Tetrachloroethane	ND	1.67	--	ND	11.5	--		8.333
o-Xylene	12.8	1.67	--	55.6	7.25	--		8.333
4-Ethyltoluene	6.99	1.67	--	34.4	8.21	--		8.333
1,3,5-Trimethylbenzene	14.4	1.67	--	70.8	8.21	--		8.333
1,2,4-Trimethylbenzene	38.2	1.67	--	188	8.21	--		8.333
Benzyl chloride	ND	1.67	--	ND	8.65	--		8.333
1,3-Dichlorobenzene	ND	1.67	--	ND	10.0	--		8.333
1,4-Dichlorobenzene	ND	1.67	--	ND	10.0	--		8.333
1,2-Dichlorobenzene	ND	1.67	--	ND	10.0	--		8.333
1,2,4-Trichlorobenzene	ND	1.67	--	ND	12.4	--		8.333
Hexachlorobutadiene	ND	1.67	--	ND	17.8	--		8.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	76		60-140



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

### SAMPLE RESULTS

Lab ID: L2112211-06 D  
 Client ID: SV-6  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:23  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/18/21 06:02  
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	ND	0.833	--	ND	4.12	--		4.167
Chloromethane	ND	0.833	--	ND	1.72	--		4.167
Freon-114	ND	0.833	--	ND	5.82	--		4.167
Vinyl chloride	ND	0.833	--	ND	2.13	--		4.167
1,3-Butadiene	ND	0.833	--	ND	1.84	--		4.167
Bromomethane	ND	0.833	--	ND	3.23	--		4.167
Chloroethane	ND	0.833	--	ND	2.20	--		4.167
Ethanol	27.7	20.8	--	52.2	39.2	--		4.167
Vinyl bromide	ND	0.833	--	ND	3.64	--		4.167
Acetone	62.5	4.17	--	148	9.91	--		4.167
Trichlorofluoromethane	ND	0.833	--	ND	4.68	--		4.167
Isopropanol	ND	2.08	--	ND	5.11	--		4.167
1,1-Dichloroethene	ND	0.833	--	ND	3.30	--		4.167
Tertiary butyl Alcohol	ND	2.08	--	ND	6.31	--		4.167
Methylene chloride	ND	2.08	--	ND	7.23	--		4.167
3-Chloropropene	ND	0.833	--	ND	2.61	--		4.167
Carbon disulfide	1.03	0.833	--	3.21	2.59	--		4.167
Freon-113	ND	0.833	--	ND	6.38	--		4.167
trans-1,2-Dichloroethene	ND	0.833	--	ND	3.30	--		4.167
1,1-Dichloroethane	ND	0.833	--	ND	3.37	--		4.167
Methyl tert butyl ether	ND	0.833	--	ND	3.00	--		4.167
2-Butanone	301	2.08	--	888	6.13	--		4.167
cis-1,2-Dichloroethene	ND	0.833	--	ND	3.30	--		4.167



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

**SAMPLE RESULTS**

Lab ID: L2112211-06 D  
 Client ID: SV-6  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:23  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	ND	2.08	--	ND	7.50	--		4.167
Chloroform	ND	0.833	--	ND	4.07	--		4.167
Tetrahydrofuran	ND	2.08	--	ND	6.13	--		4.167
1,2-Dichloroethane	ND	0.833	--	ND	3.37	--		4.167
n-Hexane	1.83	0.833	--	6.45	2.94	--		4.167
1,1,1-Trichloroethane	ND	0.833	--	ND	4.54	--		4.167
Benzene	2.36	0.833	--	7.54	2.66	--		4.167
Carbon tetrachloride	ND	0.833	--	ND	5.24	--		4.167
Cyclohexane	ND	0.833	--	ND	2.87	--		4.167
1,2-Dichloropropane	ND	0.833	--	ND	3.85	--		4.167
Bromodichloromethane	ND	0.833	--	ND	5.58	--		4.167
1,4-Dioxane	ND	0.833	--	ND	3.00	--		4.167
Trichloroethene	ND	0.833	--	ND	4.48	--		4.167
2,2,4-Trimethylpentane	ND	0.833	--	ND	3.89	--		4.167
Heptane	2.48	0.833	--	10.2	3.41	--		4.167
cis-1,3-Dichloropropene	ND	0.833	--	ND	3.78	--		4.167
4-Methyl-2-pentanone	ND	2.08	--	ND	8.52	--		4.167
trans-1,3-Dichloropropene	ND	0.833	--	ND	3.78	--		4.167
1,1,2-Trichloroethane	ND	0.833	--	ND	4.54	--		4.167
Toluene	5.11	0.833	--	19.3	3.14	--		4.167
2-Hexanone	30.8	0.833	--	126	3.41	--		4.167
Dibromochloromethane	ND	0.833	--	ND	7.10	--		4.167
1,2-Dibromoethane	ND	0.833	--	ND	6.40	--		4.167
Tetrachloroethene	ND	0.833	--	ND	5.65	--		4.167
Chlorobenzene	ND	0.833	--	ND	3.84	--		4.167
Ethylbenzene	2.41	0.833	--	10.5	3.62	--		4.167



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

**SAMPLE RESULTS**

Lab ID: L2112211-06 D  
 Client ID: SV-6  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:23  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	13.2	1.67	--	57.3	7.25	--		4.167
Bromoform	ND	0.833	--	ND	8.61	--		4.167
Styrene	ND	0.833	--	ND	3.55	--		4.167
1,1,2,2-Tetrachloroethane	ND	0.833	--	ND	5.72	--		4.167
o-Xylene	10.4	0.833	--	45.2	3.62	--		4.167
4-Ethyltoluene	4.90	0.833	--	24.1	4.10	--		4.167
1,3,5-Trimethylbenzene	7.02	0.833	--	34.5	4.10	--		4.167
1,2,4-Trimethylbenzene	17.6	0.833	--	86.5	4.10	--		4.167
Benzyl chloride	ND	0.833	--	ND	4.31	--		4.167
1,3-Dichlorobenzene	ND	0.833	--	ND	5.01	--		4.167
1,4-Dichlorobenzene	ND	0.833	--	ND	5.01	--		4.167
1,2-Dichlorobenzene	ND	0.833	--	ND	5.01	--		4.167
1,2,4-Trichlorobenzene	ND	0.833	--	ND	6.18	--		4.167
Hexachlorobutadiene	ND	0.833	--	ND	8.89	--		4.167

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	77		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	69		60-140





Project Name: 197 CANAL STREET

Lab Number: L2112211

Project Number: 197 CANAL STREET

Report Date: 03/18/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/17/21 15:34

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1475606-4								
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
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: 197 CANAL STREET

Lab Number: L2112211

Project Number: 197 CANAL STREET

Report Date: 03/18/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/17/21 15:34

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1475606-4								
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
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: 197 CANAL STREET

Lab Number: L2112211

Project Number: 197 CANAL STREET

Report Date: 03/18/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/17/21 15:34

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1475606-4								
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

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 197 CANAL STREET

**Lab Number:** L2112211

**Project Number:** 197 CANAL STREET

**Report Date:** 03/18/21

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1475606-3								
Dichlorodifluoromethane	101		-		70-130	-		
Chloromethane	98		-		70-130	-		
Freon-114	103		-		70-130	-		
Vinyl chloride	100		-		70-130	-		
1,3-Butadiene	105		-		70-130	-		
Bromomethane	94		-		70-130	-		
Chloroethane	97		-		70-130	-		
Ethanol	96		-		40-160	-		
Vinyl bromide	93		-		70-130	-		
Acetone	93		-		40-160	-		
Trichlorofluoromethane	108		-		70-130	-		
Isopropanol	88		-		40-160	-		
1,1-Dichloroethene	112		-		70-130	-		
Tertiary butyl Alcohol	93		-		70-130	-		
Methylene chloride	116		-		70-130	-		
3-Chloropropene	110		-		70-130	-		
Carbon disulfide	99		-		70-130	-		
Freon-113	109		-		70-130	-		
trans-1,2-Dichloroethene	96		-		70-130	-		
1,1-Dichloroethane	101		-		70-130	-		
Methyl tert butyl ether	90		-		70-130	-		
2-Butanone	93		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112211

Project Number: 197 CANAL STREET

Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1475606-3								
Ethyl Acetate	97		-		70-130	-		
Chloroform	103		-		70-130	-		
Tetrahydrofuran	95		-		70-130	-		
1,2-Dichloroethane	102		-		70-130	-		
n-Hexane	100		-		70-130	-		
1,1,1-Trichloroethane	108		-		70-130	-		
Benzene	96		-		70-130	-		
Carbon tetrachloride	114		-		70-130	-		
Cyclohexane	94		-		70-130	-		
1,2-Dichloropropane	101		-		70-130	-		
Bromodichloromethane	106		-		70-130	-		
1,4-Dioxane	96		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	104		-		70-130	-		
Heptane	98		-		70-130	-		
cis-1,3-Dichloropropene	106		-		70-130	-		
4-Methyl-2-pentanone	114		-		70-130	-		
trans-1,3-Dichloropropene	94		-		70-130	-		
1,1,2-Trichloroethane	102		-		70-130	-		
Toluene	92		-		70-130	-		
2-Hexanone	98		-		70-130	-		
Dibromochloromethane	103		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2112211

Report Date: 03/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1475606-3								
Tetrachloroethene	94		-		70-130	-		
Chlorobenzene	99		-		70-130	-		
Ethylbenzene	99		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	101		-		70-130	-		
Styrene	98		-		70-130	-		
1,1,2,2-Tetrachloroethane	110		-		70-130	-		
o-Xylene	104		-		70-130	-		
4-Ethyltoluene	97		-		70-130	-		
1,3,5-Trimethylbenzene	100		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		
Benzyl chloride	104		-		70-130	-		
1,3-Dichlorobenzene	102		-		70-130	-		
1,4-Dichlorobenzene	103		-		70-130	-		
1,2-Dichlorobenzene	102		-		70-130	-		
1,2,4-Trichlorobenzene	112		-		70-130	-		
Hexachlorobutadiene	103		-		70-130	-		

Project Name: 197 CANAL STREET

Serial\_No:03182114:37  
Lab Number: L2112211

Project Number: 197 CANAL STREET

Report Date: 03/18/21

### 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
L2112211-01	SV-1	01146	SV20	03/11/21	345448		-	-	-	Pass	19.1	17.6	8
L2112211-01	SV-1	248	2.7L Can	03/11/21	345448	L2110586-01	Pass	-29.4	-6.5	-	-	-	-
L2112211-02	SV-2	0851	SV20	03/11/21	345448		-	-	-	Pass	19.4	17.9	8
L2112211-02	SV-2	121	2.7L Can	03/11/21	345448	L2110928-01	Pass	-29.8	-6.5	-	-	-	-
L2112211-03	SV-3	01263	SV20	03/11/21	345448		-	-	-	Pass	19.9	18.6	7
L2112211-03	SV-3	260	2.7L Can	03/11/21	345448	L2110586-01	Pass	-30.0	-5.8	-	-	-	-
L2112211-04	SV-4	01935	SV20	03/11/21	345448		-	-	-	Pass	18.9	17.2	9
L2112211-04	SV-4	2279	2.7L Can	03/11/21	345448	L2110928-01	Pass	-29.7	-6.5	-	-	-	-
L2112211-05	SV-5	01874	SV20	03/11/21	345448		-	-	-	Pass	19.6	18.1	8
L2112211-05	SV-5	549	2.7L Can	03/11/21	345448	L2110586-01	Pass	-29.3	-6.5	-	-	-	-
L2112211-06	SV-6	01088	SV20	03/11/21	345448		-	-	-	Pass	18.9	17.6	7
L2112211-06	SV-6	2423	2.7L Can	03/11/21	345448	L2110928-01	Pass	-29.8	-7.2	-	-	-	-

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2110586  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110586-01  
 Client ID: CAN 1738 SHELF 1  
 Sample Location:

Date Collected: 03/03/21 16:00  
 Date Received: 03/04/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/06/21 17:24  
 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:** L2110586  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110586-01  
 Client ID: CAN 1738 SHELF 1  
 Sample Location:

Date Collected: 03/03/21 16:00  
 Date Received: 03/04/21  
 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
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
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:** L2110586  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110586-01  
 Client ID: CAN 1738 SHELF 1  
 Sample Location:

Date Collected: 03/03/21 16:00  
 Date Received: 03/04/21  
 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:** L2110586  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110586-01  
 Client ID: CAN 1738 SHELF 1  
 Sample Location:

Date Collected: 03/03/21 16:00  
 Date Received: 03/04/21  
 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  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2110586  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110586-01  
 Client ID: CAN 1738 SHELF 1  
 Sample Location:

Date Collected: 03/03/21 16:00  
 Date Received: 03/04/21  
 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	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2110586  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110586-01  
 Client ID: CAN 1738 SHELF 1  
 Sample Location:

Date Collected: 03/03/21 16:00  
 Date Received: 03/04/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 03/06/21 17:24  
 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
Acrolein	ND	0.050	--	ND	0.115	--		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



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2110586  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110586-01  
 Client ID: CAN 1738 SHELF 1  
 Sample Location:

Date Collected: 03/03/21 16:00  
 Date Received: 03/04/21  
 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								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
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	0.054	0.050	--	0.203	0.188	--	B	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-Trimethylbenzene	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



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2110586  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110586-01  
 Client ID: CAN 1738 SHELF 1  
 Sample Location:

Date Collected: 03/03/21 16:00  
 Date Received: 03/04/21  
 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								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
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	96		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2110928  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110928-01  
 Client ID: CAN 3216 SHELF 9  
 Sample Location:

Date Collected: 03/04/21 16:00  
 Date Received: 03/05/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/06/21 23:13  
 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:** L2110928  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110928-01  
 Client ID: CAN 3216 SHELF 9  
 Sample Location:

Date Collected: 03/04/21 16:00  
 Date Received: 03/05/21  
 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:** L2110928  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110928-01  
 Client ID: CAN 3216 SHELF 9  
 Sample Location:

Date Collected: 03/04/21 16:00  
 Date Received: 03/05/21  
 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:** L2110928  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110928-01  
 Client ID: CAN 3216 SHELF 9  
 Sample Location:

Date Collected: 03/04/21 16:00  
 Date Received: 03/05/21  
 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  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2110928  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110928-01  
 Client ID: CAN 3216 SHELF 9  
 Sample Location:

Date Collected: 03/04/21 16:00  
 Date Received: 03/05/21  
 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	96		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2110928  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110928-01  
 Client ID: CAN 3216 SHELF 9  
 Sample Location:

Date Collected: 03/04/21 16:00  
 Date Received: 03/05/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 03/06/21 23:13  
 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
Acrolein	ND	0.050	--	ND	0.115	--		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



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2110928  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110928-01  
 Client ID: CAN 3216 SHELF 9  
 Sample Location:

Date Collected: 03/04/21 16:00  
 Date Received: 03/05/21  
 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								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
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	0.051	0.050	--	0.192	0.188	--	B	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-Trimethylbenzene	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



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2110928  
**Report Date:** 03/18/21

### Air Canister Certification Results

Lab ID: L2110928-01  
 Client ID: CAN 3216 SHELF 9  
 Sample Location:

Date Collected: 03/04/21 16:00  
 Date Received: 03/05/21  
 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								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
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	94		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	95		60-140

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information****Cooler**                      **Custody Seal**

NA                                      Present/Intact

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2112211-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2112211-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2112211-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2112211-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2112211-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2112211-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.

Report Format: Data Usability Report



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**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 Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- 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.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- 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

Report Format: Data Usability Report



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

**Data Qualifiers**

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112211  
**Report Date:** 03/18/21

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

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The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### 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

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The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-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, SM9222D.**

### 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, EPA 537.1.**

#### 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**

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For a complete listing of analytes and methods, please contact your Alpha Project Manager.



# AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

**Client Information**

Client: Tenen Environmental  
 Address: 121 West 27th Street  
Suite 702, NY, NY 10001  
 Phone: 646-606-2332  
 Fax: aplatt@tenen-env.com  
 Email: mcarroll@tenen-env.com

**Project Information**

Project Name: 197 Canal Street  
 Project Location: Statens Island, NY  
 Project #: 197 Canal Street  
 Project Manager: M. Carroll  
 ALPHA Quote #:

**Turn-Around Time**

Standard  RUSH (only confirmed if pre-approved)

Date Due: \_\_\_\_\_ Time: \_\_\_\_\_

Date Rec'd in Lab: 3/10/21

**Report Information - Data Deliverables**

FAX  
 ADEx  
 Criteria Checker: \_\_\_\_\_  
(Default based on Regulatory Criteria Indicated)  
 Other Formats: \_\_\_\_\_  
 EMAIL (standard pdf report)  
 Additional Deliverables: Cat B Deliverables  
 Report to: (if different than Project Manager)

ALPHA Job #: L2112211

**Billing Information**

Same as Client info PO #: \_\_\_\_\_

**Regulatory Requirements/Report Limits**

State/Fed	Program	Res / Comm

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List:

Cat B deliverables

**ANALYSIS**

TO-15  
 TO-15 SIM  
 APH Substrate Non-halogenated HCs  
 Fixed Gases  
 Sulfides & Mercaptans by TO-15

**All Columns Below Must Be Filled Out**

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION				Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time														
112211-01	SV-1	3/11/21	8:19	10:17	-30.75	-6.62	SV	SB	2.7	248	01146	X						
-02	SV-2		8:21	10:18	-30.73	-6.83				121	0851	X						
-03	SV-3		8:24	10:21	-30.67	-5.99				260	01263	X						
-04	SV-4		8:16	10:14	-30.50	-7.12				2279	01935	X						
-05	SV-5		8:27	10:22	-30.66	-6.50				549	01874	X						
-06	SV-6		8:30	10:23	-30.70	-7.84				2423	01088	X						

**\*SAMPLE MATRIX CODES**

AA = Ambient Air (Indoor/Outdoor)  
 SV = Soil Vapor/Landfill Gas/SVE  
 Other = Please Specify

Container Type

Summa

Relinquished By:

A. Platt / Tenen

Date/Time

3/11/21 15:20

Received By:

[Signature]

Date/Time:

3/11/21 15:20

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



## ANALYTICAL REPORT

Lab Number:	L2112286
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Matthew Carroll
Phone:	(646) 606-2332
Project Name:	197 CANAL STREET
Project Number:	197 CANAL STREET
Report Date:	03/25/21

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).

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



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2112286-01	MW-1	WATER	STATEN ISLAND, NY	03/11/21 10:30	03/11/21
L2112286-02	MW-2	WATER	STATEN ISLAND, NY	03/11/21 11:20	03/11/21
L2112286-03	MW-3	WATER	STATEN ISLAND, NY	03/11/21 09:30	03/11/21
L2112286-04	MW-3_DUP	WATER	STATEN ISLAND, NY	03/11/21 09:35	03/11/21
L2112286-05	MW-4	WATER	STATEN ISLAND, NY	03/11/21 12:00	03/11/21
L2112286-06	FIELD BLANK	WATER	STATEN ISLAND, NY	03/11/21 08:50	03/11/21
L2112286-07	TRIP BLANK	WATER	STATEN ISLAND, NY	03/11/21 00:00	03/11/21



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

### 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.

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**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

### Case Narrative (continued)

#### Report Submission

March 25, 2021: This final report includes the results of all requested analyses.

March 22, 2021: This is a preliminary report.

March 19, 2021: 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.

#### Perfluorinated Alkyl Acids by Isotope Dilution

L2112286-05: Please note, the sample was centrifuged and decanted during extraction.

L2112286-05, WG1474406-1, and WG1474406-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

#### Total Metals


L2112286-06: The Field Blank has a result for sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

#### Dissolved Metals

L2112286-06: The Field Blank has a result for sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 03/25/21

# ORGANICS

# VOLATILES

**Project Name:** 197 CANAL STREET**Lab Number:** L2112286**Project Number:** 197 CANAL STREET**Report Date:** 03/25/21**SAMPLE RESULTS**

Lab ID: L2112286-01  
 Client ID: MW-1  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:30  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 03/17/21 19:40  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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
1,1,1,2,2-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: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-01  
 Client ID: MW-1  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:30  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-01  
**Client ID:** MW-1  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 10:30  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-02  
**Client ID:** MW-2  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 11:20  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/17/21 20:01  
**Analyst:** NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.7	J	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
1,1,1,2-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: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-02  
 Client ID: MW-2  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 11:20  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-02  
**Client ID:** MW-2  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 11:20  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-03  
**Client ID:** MW-3  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 09:30  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 03/17/21 20:23  
**Analyst:** NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.91	J	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
1,1,1,2,2-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: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-03  
 Client ID: MW-3  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 09:30  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-03  
**Client ID:** MW-3  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 09:30  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	108		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-04  
 Client ID: MW-3\_DUP  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 09:35  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 03/17/21 20:44  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.85	J	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
1,1,1,2-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: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-04  
 Client ID: MW-3\_DUP  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 09:35  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-04  
**Client ID:** MW-3\_DUP  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 09:35  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130



**Project Name:** 197 CANAL STREET**Lab Number:** L2112286**Project Number:** 197 CANAL STREET**Report Date:** 03/25/21**SAMPLE RESULTS**

Lab ID: L2112286-05  
 Client ID: MW-4  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 12:00  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 03/17/21 21:05  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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
1,1,1,2,2-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: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-05  
 Client ID: MW-4  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 12:00  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	4.4	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	ND		ug/l	2.5	0.70	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-05  
**Client ID:** MW-4  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 12:00  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	110		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-06  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 08:50  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 03/17/21 21:26  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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
1,1,1,2,2-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: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-06  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 08:50  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-06  
**Client ID:** FIELD BLANK  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 08:50  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	110		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-07  
 Client ID: TRIP BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 00:00  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 03/17/21 21:47  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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
1,1,1,2,2-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: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-07  
 Client ID: TRIP BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 00:00  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-07  
**Client ID:** TRIP BLANK  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 00:00  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	106		70-130

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 03/17/21 18:56  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1475931-5					
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 03/17/21 18:56  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1475931-5					
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 03/17/21 18:56  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1475931-5					
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	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1475931-3 WG1475931-4								
Methylene chloride	110		100		70-130	10		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	89		95		63-130	7		20
1,1,2-Trichloroethane	92		91		70-130	1		20
Tetrachloroethene	100		110		70-130	10		20
Chlorobenzene	97		94		75-130	3		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	96		96		67-130	0		20
trans-1,3-Dichloropropene	91		98		70-130	7		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	84		88		54-136	5		20
1,1,2,2-Tetrachloroethane	88		92		67-130	4		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	120		120		64-130	0		20
Bromomethane	130		130		39-139	0		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1475931-3 WG1475931-4								
Vinyl chloride	110		100		55-140	10		20
Chloroethane	100		94		55-138	6		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	99		98		70-130	1		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	94		92		70-130	2		20
1,3-Dichlorobenzene	96		94		70-130	2		20
1,4-Dichlorobenzene	96		94		70-130	2		20
Methyl tert butyl ether	92		92		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	99		99		70-130	0		20
Dibromomethane	100		96		70-130	4		20
1,2,3-Trichloropropane	88		90		64-130	2		20
Acrylonitrile	86		100		70-130	15		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	100		100		58-148	0		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	100		100		63-138	0		20
Vinyl acetate	93		97		70-130	4		20
4-Methyl-2-pentanone	79		88		59-130	11		20
2-Hexanone	79		88		57-130	11		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1475931-3 WG1475931-4								
Bromochloromethane	99		110		70-130	11		20
2,2-Dichloropropane	110		100		63-133	10		20
1,2-Dibromoethane	98		96		70-130	2		20
1,3-Dichloropropane	95		99		70-130	4		20
1,1,1,2-Tetrachloroethane	89		90		64-130	1		20
Bromobenzene	96		92		70-130	4		20
n-Butylbenzene	92		96		53-136	4		20
sec-Butylbenzene	94		97		70-130	3		20
tert-Butylbenzene	91		94		70-130	3		20
o-Chlorotoluene	98		94		70-130	4		20
p-Chlorotoluene	98		93		70-130	5		20
1,2-Dibromo-3-chloropropane	79		82		41-144	4		20
Hexachlorobutadiene	92		96		63-130	4		20
Isopropylbenzene	96		95		70-130	1		20
p-Isopropyltoluene	92		94		70-130	2		20
Naphthalene	83		84		70-130	1		20
n-Propylbenzene	96		98		69-130	2		20
1,2,3-Trichlorobenzene	92		91		70-130	1		20
1,2,4-Trichlorobenzene	95		92		70-130	3		20
1,3,5-Trimethylbenzene	97		96		64-130	1		20
1,2,4-Trimethylbenzene	94		93		70-130	1		20
1,4-Dioxane	92		98		56-162	6		20
p-Diethylbenzene	90		91		70-130	1		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1475931-3 WG1475931-4								
p-Ethyltoluene	96		95		70-130	1		20
1,2,4,5-Tetramethylbenzene	88		87		70-130	1		20
Ethyl ether	110		100		59-134	10		20
trans-1,4-Dichloro-2-butene	97		97		70-130	0		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	106		104		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	101		102		70-130



# SEMIVOLATILES

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-01  
**Client ID:** MW-1  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 10:30  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/17/21 16:15  
**Analyst:** JG

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/16/21 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-01  
**Client ID:** MW-1  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 10:30  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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	57		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	67		41-149

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-01  
 Client ID: MW-1  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:30  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/17/21 14:36  
 Analyst: RP

Extraction Method: EPA 3510C  
 Extraction Date: 03/16/21 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
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:** 197 CANAL STREET**Lab Number:** L2112286**Project Number:** 197 CANAL STREET**Report Date:** 03/25/21**SAMPLE RESULTS**

Lab ID: L2112286-01

Date Collected: 03/11/21 10:30

Client ID: MW-1

Date Received: 03/11/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	72		41-149

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-01  
 Client ID: MW-1  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:30  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/19/21 13:08  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 03/18/21 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			48		15-110	

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-01  
**Client ID:** MW-1  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 10:30  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 03/23/21 22:07  
**Analyst:** HT

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 03/15/21 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	6.66		ng/l	1.87	0.382	1
Perfluoropentanoic Acid (PFPeA)	3.10		ng/l	1.87	0.370	1
Perfluorobutanesulfonic Acid (PFBS)	2.51		ng/l	1.87	0.223	1
Perfluorohexanoic Acid (PFHxA)	2.93		ng/l	1.87	0.307	1
Perfluoroheptanoic Acid (PFHpA)	3.79		ng/l	1.87	0.211	1
Perfluorohexanesulfonic Acid (PFHxS)	0.756	J	ng/l	1.87	0.352	1
Perfluorooctanoic Acid (PFOA)	48.1		ng/l	1.87	0.221	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.87	1.25	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.87	0.644	1
Perfluorononanoic Acid (PFNA)	2.20		ng/l	1.87	0.292	1
Perfluorooctanesulfonic Acid (PFOS)	13.2		ng/l	1.87	0.472	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.87	0.284	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.87	1.13	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.87	0.606	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.87	0.243	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.87	0.917	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.87	0.543	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.87	0.752	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.87	0.348	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.87	0.306	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.87	0.232	1
PFOA/PFOS, Total	61.3		ng/l	1.87	0.221	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-01  
 Client ID: MW-1  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:30  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	108		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	104		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	122		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	140		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	119		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	113		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	34		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	107		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	100		22-136



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-02  
**Client ID:** MW-2  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 11:20  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 03/17/21 16:39  
**Analyst:** JG

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/16/21 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-02  
**Client ID:** MW-2  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 11:20  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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	63		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	72		41-149

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-02  
 Client ID: MW-2  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 11:20  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/17/21 14:56  
 Analyst: RP

Extraction Method: EPA 3510C  
 Extraction Date: 03/16/21 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-02  
 Client ID: MW-2  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 11:20  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	77		41-149

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-02  
 Client ID: MW-2  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 11:20  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/19/21 13:47  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 03/18/21 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			45		15-110	

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-02  
**Client ID:** MW-2  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 11:20  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 03/23/21 22:23  
**Analyst:** HT

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 03/15/21 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	8.54		ng/l	1.97	0.402	1
Perfluoropentanoic Acid (PFPeA)	13.1		ng/l	1.97	0.390	1
Perfluorobutanesulfonic Acid (PFBS)	6.69		ng/l	1.97	0.235	1
Perfluorohexanoic Acid (PFHxA)	12.2		ng/l	1.97	0.323	1
Perfluoroheptanoic Acid (PFHpA)	11.6		ng/l	1.97	0.222	1
Perfluorohexanesulfonic Acid (PFHxS)	2.41		ng/l	1.97	0.371	1
Perfluorooctanoic Acid (PFOA)	164		ng/l	1.97	0.233	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.97	1.31	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.97	0.678	1
Perfluorononanoic Acid (PFNA)	3.75		ng/l	1.97	0.308	1
Perfluorooctanesulfonic Acid (PFOS)	25.8		ng/l	1.97	0.497	1
Perfluorodecanoic Acid (PFDA)	0.832	J	ng/l	1.97	0.300	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.97	1.19	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.97	0.639	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.97	0.256	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.97	0.966	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.97	0.572	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.97	0.793	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.97	0.367	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.97	0.322	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.97	0.244	1
PFOA/PFOS, Total	190		ng/l	1.97	0.233	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-02  
 Client ID: MW-2  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 11:20  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	114		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	142		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	129		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	27		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	50		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		22-136

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-03  
 Client ID: MW-3  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 09:30  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/17/21 17:03  
 Analyst: JG

Extraction Method: EPA 3510C  
 Extraction Date: 03/16/21 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-03  
**Client ID:** MW-3  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 09:30  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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	52		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	74		41-149

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-03  
 Client ID: MW-3  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 09:30  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/17/21 15:15  
 Analyst: RP

Extraction Method: EPA 3510C  
 Extraction Date: 03/16/21 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.35		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	0.17		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.17		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.20		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.09	J	ug/l	0.10	0.01	1
Chrysene	0.15		ug/l	0.10	0.01	1
Acenaphthylene	0.03	J	ug/l	0.10	0.01	1
Anthracene	0.04	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.11		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.07	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.03	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.14		ug/l	0.10	0.01	1
Pyrene	0.31		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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-03  
 Client ID: MW-3  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 09:30  
 Date Received: 03/11/21  
 Field Prep: Not Specified

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	41		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	81		41-149

**Project Name:** 197 CANAL STREET**Lab Number:** L2112286**Project Number:** 197 CANAL STREET**Report Date:** 03/25/21**SAMPLE RESULTS**

Lab ID: L2112286-04  
 Client ID: MW-3\_DUP  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 09:35  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/17/21 17:27  
 Analyst: JG

Extraction Method: EPA 3510C  
 Extraction Date: 03/16/21 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-04  
**Client ID:** MW-3\_DUP  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 09:35  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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	64		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	78		41-149

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-04  
 Client ID: MW-3\_DUP  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 09:35  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/17/21 15:35  
 Analyst: RP

Extraction Method: EPA 3510C  
 Extraction Date: 03/16/21 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.21		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	0.10		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.09	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.12		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.06	J	ug/l	0.10	0.01	1
Chrysene	0.10	J	ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.07	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.04	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.08	J	ug/l	0.10	0.01	1
Pyrene	0.19		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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-04  
 Client ID: MW-3\_DUP  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 09:35  
 Date Received: 03/11/21  
 Field Prep: Not Specified

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	47		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	83		41-149

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-05  
 Client ID: MW-4  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 12:00  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/17/21 17:51  
 Analyst: JG

Extraction Method: EPA 3510C  
 Extraction Date: 03/16/21 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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	0.41	J	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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-05  
**Client ID:** MW-4  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 12:00  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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	51		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	54		41-149

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-05  
 Client ID: MW-4  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 12:00  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/17/21 15:54  
 Analyst: RP

Extraction Method: EPA 3510C  
 Extraction Date: 03/16/21 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.15		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	0.06	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.06	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.09	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Chrysene	0.06	J	ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.04	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.05	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.05	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.01	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.06	J	ug/l	0.10	0.01	1
Pyrene	0.13		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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-05  
 Client ID: MW-4  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 12:00  
 Date Received: 03/11/21  
 Field Prep: Not Specified

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	39		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	57		41-149

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-05  
 Client ID: MW-4  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 12:00  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/19/21 14:26  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 03/18/21 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	163	36.8	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			47		15-110	

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-05  
**Client ID:** MW-4  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 12:00  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 03/23/21 22:40  
**Analyst:** HT

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 03/15/21 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	7.53		ng/l	2.62	0.534	1
Perfluoropentanoic Acid (PFPeA)	4.42		ng/l	2.62	0.518	1
Perfluorobutanesulfonic Acid (PFBS)	1.63	J	ng/l	2.62	0.312	1
Perfluorohexanoic Acid (PFHxA)	6.90		ng/l	2.62	0.429	1
Perfluoroheptanoic Acid (PFHpA)	17.2		ng/l	2.62	0.295	1
Perfluorohexanesulfonic Acid (PFHxS)	1.38	J	ng/l	2.62	0.492	1
Perfluorooctanoic Acid (PFOA)	253		ng/l	2.62	0.309	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.62	1.74	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.62	0.900	1
Perfluorononanoic Acid (PFNA)	2.26	J	ng/l	2.62	0.408	1
Perfluorooctanesulfonic Acid (PFOS)	7.27		ng/l	2.62	0.660	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.62	0.398	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.62	1.59	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.62	0.848	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.62	0.340	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.62	1.28	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.62	0.759	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.62	1.05	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.62	0.487	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.62	0.428	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.62	0.325	1
PFOA/PFOS, Total	260		ng/l	2.62	0.309	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-05  
 Client ID: MW-4  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 12:00  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	121		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	<b>149</b>	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	114		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	66		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	90		22-136

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-06  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 08:50  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 03/17/21 18:14  
 Analyst: JG

Extraction Method: EPA 3510C  
 Extraction Date: 03/16/21 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-06  
**Client ID:** FIELD BLANK  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 08:50  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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	63		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	72		41-149



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-06  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 08:50  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/17/21 16:14  
 Analyst: RP

Extraction Method: EPA 3510C  
 Extraction Date: 03/16/21 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-06  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 08:50  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	79		41-149

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-06  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 08:50  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 03/19/21 15:08  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 03/18/21 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			43		15-110	

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-06  
**Client ID:** FIELD BLANK  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 08:50  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 03/23/21 22:56  
**Analyst:** HT

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 03/15/21 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.78	0.363	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.78	0.353	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.78	0.212	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.78	0.292	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.78	0.200	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.78	0.335	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.78	0.210	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.78	1.19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.78	0.613	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.78	0.278	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.78	0.449	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.78	0.271	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.577	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.232	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.873	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.517	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.78	0.716	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.331	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.291	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.221	1
PFOA/PFOS, Total	ND		ng/l	1.78	0.210	1

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-06  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 08:50  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	113		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	127		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	114		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	113		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	112		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	127		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	112		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	123		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	113		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	108		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	113		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	116		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	73		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	102		22-136

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 03/19/21 12:47  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 03/15/21 09:40

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02,05-06 Batch: WG1474406-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 03/19/21 12:47  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 03/15/21 09:40

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02,05-06 Batch: WG1474406-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	111		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	109		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	113		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	122		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	113		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	<b>161</b>	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	117		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	107		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	<b>184</b>	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	91		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	117		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	69		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEFOSAA)	85		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93		22-136

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 03/17/21 03:21  
Analyst: EK

Extraction Method: EPA 3510C  
Extraction Date: 03/16/21 01:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1474772-1					
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 03/17/21 03:21  
Analyst: EK

Extraction Method: EPA 3510C  
Extraction Date: 03/16/21 01:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1474772-1					
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	ND		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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 03/17/21 03:21  
Analyst: EK

Extraction Method: EPA 3510C  
Extraction Date: 03/16/21 01:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1474772-1					
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	62		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	72		41-149

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 03/16/21 18:51  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 03/16/21 01:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG1474773-1					
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 03/16/21 18:51  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 03/16/21 01:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG1474773-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	88		41-149

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 03/19/21 11:17  
Analyst: PS

Extraction Method: EPA 3510C  
Extraction Date: 03/18/21 08:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-02,05-06 Batch: WG1475854-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	39		15-110

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,05-06 Batch: WG1474406-2								
Perfluorobutanoic Acid (PFBA)	107		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	107		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	115		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	106		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	103		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	100		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	103		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	113		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	109		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	111		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	105		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	107		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	106		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	104		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	98		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	110		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	101		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	103		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	100		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	106		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	106		-		59-182	-		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

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

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,05-06 Batch: WG1474406-2

Surrogate (Extracted Internal Standard)	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
Perfluoro[13C4]Butanoic Acid (MPFBA)	107				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	81				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	105				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	117				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	106				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	<b>164</b>	Q			14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	<b>173</b>	Q			10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	93				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	115				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	72				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	90				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	103				22-136

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1474772-2 WG1474772-3								
Acenaphthene	88		85		37-111	3		30
1,2,4-Trichlorobenzene	80		86		39-98	7		30
Hexachlorobenzene	96		93		40-140	3		30
Bis(2-chloroethyl)ether	80		86		40-140	7		30
2-Chloronaphthalene	93		90		40-140	3		30
1,2-Dichlorobenzene	79		82		40-140	4		30
1,3-Dichlorobenzene	76		80		40-140	5		30
1,4-Dichlorobenzene	79		79		36-97	0		30
3,3'-Dichlorobenzidine	75		66		40-140	13		30
2,4-Dinitrotoluene	110		106		48-143	4		30
2,6-Dinitrotoluene	107		104		40-140	3		30
Fluoranthene	97		92		40-140	5		30
4-Chlorophenyl phenyl ether	97		93		40-140	4		30
4-Bromophenyl phenyl ether	104		97		40-140	7		30
Bis(2-chloroisopropyl)ether	77		79		40-140	3		30
Bis(2-chloroethoxy)methane	91		93		40-140	2		30
Hexachlorobutadiene	82		83		40-140	1		30
Hexachlorocyclopentadiene	70		69		40-140	1		30
Hexachloroethane	83		86		40-140	4		30
Isophorone	91		96		40-140	5		30
Naphthalene	88		87		40-140	1		30
Nitrobenzene	95		99		40-140	4		30
NDPA/DPA	103		96		40-140	7		30



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1474772-2 WG1474772-3								
n-Nitrosodi-n-propylamine	97		102		29-132	5		30
Bis(2-ethylhexyl)phthalate	104		96		40-140	8		30
Butyl benzyl phthalate	108		98		40-140	10		30
Di-n-butylphthalate	99		93		40-140	6		30
Di-n-octylphthalate	111		103		40-140	7		30
Diethyl phthalate	115		108		40-140	6		30
Dimethyl phthalate	112		109		40-140	3		30
Benzo(a)anthracene	99		91		40-140	8		30
Benzo(a)pyrene	114		107		40-140	6		30
Benzo(b)fluoranthene	99		101		40-140	2		30
Benzo(k)fluoranthene	112		94		40-140	17		30
Chrysene	101		94		40-140	7		30
Acenaphthylene	96		91		45-123	5		30
Anthracene	98		95		40-140	3		30
Benzo(ghi)perylene	109		104		40-140	5		30
Fluorene	101		96		40-140	5		30
Phenanthrene	98		93		40-140	5		30
Dibenzo(a,h)anthracene	111		104		40-140	7		30
Indeno(1,2,3-cd)pyrene	100		96		40-140	4		30
Pyrene	94		86		26-127	9		30
Biphenyl	98		92		40-140	6		30
4-Chloroaniline	51		37	Q	40-140	32	Q	30
2-Nitroaniline	110		108		52-143	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1474772-2 WG1474772-3								
3-Nitroaniline	85		85		25-145	0		30
4-Nitroaniline	106		94		51-143	12		30
Dibenzofuran	96		89		40-140	8		30
2-Methylnaphthalene	90		87		40-140	3		30
1,2,4,5-Tetrachlorobenzene	92		88		2-134	4		30
Acetophenone	94		98		39-129	4		30
2,4,6-Trichlorophenol	100		100		30-130	0		30
p-Chloro-m-cresol	111	Q	105	Q	23-97	6		30
2-Chlorophenol	88		92		27-123	4		30
2,4-Dichlorophenol	94		96		30-130	2		30
2,4-Dimethylphenol	82		70		30-130	16		30
2-Nitrophenol	95		103		30-130	8		30
4-Nitrophenol	114	Q	106	Q	10-80	7		30
2,4-Dinitrophenol	103		104		20-130	1		30
4,6-Dinitro-o-cresol	113		109		20-164	4		30
Pentachlorophenol	100		100		9-103	0		30
Phenol	71		74		12-110	4		30
2-Methylphenol	87		88		30-130	1		30
3-Methylphenol/4-Methylphenol	92		91		30-130	1		30
2,4,5-Trichlorophenol	105		102		30-130	3		30
Benzoic Acid	68		78		10-164	14		30
Benzyl Alcohol	86		92		26-116	7		30
Carbazole	103		94		55-144	9		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1474772-2 WG1474772-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		81		21-120
Phenol-d6	70		74		10-120
Nitrobenzene-d5	95		101		23-120
2-Fluorobiphenyl	90		88		15-120
2,4,6-Tribromophenol	104		94		10-120
4-Terphenyl-d14	86		81		41-149

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG1474773-2 WG1474773-3								
Acenaphthene	73		78		40-140	7		40
2-Chloronaphthalene	79		84		40-140	6		40
Fluoranthene	86		89		40-140	3		40
Hexachlorobutadiene	63		63		40-140	0		40
Naphthalene	68		75		40-140	10		40
Benzo(a)anthracene	79		81		40-140	3		40
Benzo(a)pyrene	82		84		40-140	2		40
Benzo(b)fluoranthene	76		82		40-140	8		40
Benzo(k)fluoranthene	92		91		40-140	1		40
Chrysene	83		87		40-140	5		40
Acenaphthylene	75		81		40-140	8		40
Anthracene	79		83		40-140	5		40
Benzo(ghi)perylene	80		83		40-140	4		40
Fluorene	78		83		40-140	6		40
Phenanthrene	72		76		40-140	5		40
Dibenzo(a,h)anthracene	86		89		40-140	3		40
Indeno(1,2,3-cd)pyrene	79		83		40-140	5		40
Pyrene	86		89		40-140	3		40
2-Methylnaphthalene	71		76		40-140	7		40
Pentachlorophenol	85		94		40-140	10		40
Hexachlorobenzene	69		70		40-140	1		40
Hexachloroethane	62		64		40-140	3		40

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG1474773-2 WG1474773-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		60		21-120
Phenol-d6	52		55		10-120
Nitrobenzene-d5	70		76		23-120
2-Fluorobiphenyl	74		81		15-120
2,4,6-Tribromophenol	103		109		10-120
4-Terphenyl-d14	92		91		41-149

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01-02,05-06 Batch: WG1475854-2 WG1475854-3								
1,4-Dioxane	108		106		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	40		45		15-110

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 197 CANAL STREET

**Lab Number:** L2112286

**Project Number:** 197 CANAL STREET

**Report Date:** 03/25/21

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,05-06 QC Batch ID: WG1474406-3 QC Sample: L2111965-09 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.548J	37.6	40.7	107		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	ND	37.6	41.3	110		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	33.4	38.6	115		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.2	40.5	115		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	ND	37.6	39.7	105		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	0.740JF	35.4	34.5	95		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	37.6	38.0	101		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	34.4	35.3	103		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	ND	37.6	40.5	108		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	35.8	41.0	114		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.8	39.7	111		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	37.6	43.4	115		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	34.9	37.2	107		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	37.6	40.4	107		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36.1	40.9	113		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.2	39.3	109		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.6	46.0	122		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.6	35.8	95		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.3	40.6	112		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	37.6	38.8	103		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37.6	40.6	108		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	37.6	37.3	99		-	-		67-153	-		30

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 197 CANAL STREET

**Lab Number:** L2112286

**Project Number:** 197 CANAL STREET

**Report Date:** 03/25/21

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,05-06 QC Batch ID: WG1474406-3 QC Sample: L2111965-09 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTTrDA)	ND	37.6	41.0	109		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTTA)	ND	37.6	43.4	115		-	-		59-182	-		30

<b>Surrogate (Extracted Internal Standard)</b>	<b>MS % Recovery</b>	<b>MS Qualifier</b>	<b>MSD % Recovery</b>	<b>MSD Qualifier</b>	<b>Acceptance Criteria</b>
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	157				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	144	Q			12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	141				14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	83				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUOA)	113				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	103				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	108				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	104				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	47				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102				70-131



## Lab Duplicate Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2112286

Report Date: 03/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,05-06 QC Batch ID: WG1474406-4 QC Sample: L2111965-10 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	0.716J	0.784J	ng/l	NC		30
Perfluoropentanoic Acid (PFPeA)	0.558J	0.604J	ng/l	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	1.04JF	1.14JF	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

## Lab Duplicate Analysis

### Batch Quality Control

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,05-06 QC Batch ID: WG1474406-4 QC Sample: L2111965-10 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
PFOA/PFOS, Total	ND	ND	ng/l	NC		30
PFAS, Total (5)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		105		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	80		83		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		103		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	142		141		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	107		110		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	112		114		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	115		120		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		106		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	116		124		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		98		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		114		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		105		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	146		160		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		96		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		117		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	52		58		10-112

## Lab Duplicate Analysis

Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2112286

Report Date: 03/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,05-06 QC Batch ID: WG1474406-4 QC Sample: L2111965-10						
Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		80		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		109		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		100		22-136

# PCBS

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-01  
**Client ID:** MW-1  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 10:30  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/17/21 13:45  
**Analyst:** JM

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/17/21 02:27  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/17/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	82		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-02  
**Client ID:** MW-2  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 11:20  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/17/21 17:42  
**Analyst:** JAW

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/17/21 02:27  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/17/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	102		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-03  
**Client ID:** MW-3  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 09:30  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/17/21 17:50  
**Analyst:** JAW

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/17/21 02:27  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/17/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	B
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	81		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-04  
**Client ID:** MW-3\_DUP  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 09:35  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/17/21 17:58  
**Analyst:** JAW

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/17/21 02:27  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/17/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	85		30-150	B



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-05  
 Client ID: MW-4  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 12:00  
 Date Received: 03/11/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Water  
 Analytical Method: 1,8082A  
 Analytical Date: 03/17/21 18:06  
 Analyst: JAW

Extraction Method: EPA 3510C  
 Extraction Date: 03/17/21 02:27  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 03/17/21  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 03/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND	IP	ug/l	0.071	0.061	1	A
Aroclor 1254	0.111		ug/l	0.071	0.061	1	B
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	0.111		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	62		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-06  
**Client ID:** FIELD BLANK  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 08:50  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 03/17/21 18:14  
**Analyst:** JAW

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/17/21 02:27  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 03/17/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 03/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	60		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 03/17/21 11:40  
Analyst: SH

Extraction Method: EPA 3510C  
Extraction Date: 03/17/21 02:27  
Cleanup Method: EPA 3665A  
Cleanup Date: 03/17/21  
Cleanup Method: EPA 3660B  
Cleanup Date: 03/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG1475245-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	84		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1475245-2 WG1475245-3									
Aroclor 1016	97		91		40-140	6		50	A
Aroclor 1260	87		85		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		87		30-150	A
Decachlorobiphenyl	70		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		96		30-150	B
Decachlorobiphenyl	98		93		30-150	B

# PESTICIDES

**Project Name:** 197 CANAL STREET**Lab Number:** L2112286**Project Number:** 197 CANAL STREET**Report Date:** 03/25/21**SAMPLE RESULTS**

Lab ID: L2112286-01  
 Client ID: MW-1  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:30  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8081B  
 Analytical Date: 03/17/21 19:38  
 Analyst: SDC

Extraction Method: EPA 3510C  
 Extraction Date: 03/17/21 01:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-01  
 Client ID: MW-1  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:30  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	85		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-02  
**Client ID:** MW-2  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 11:20  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/17/21 19:50  
**Analyst:** SDC

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/17/21 01:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-02  
 Client ID: MW-2  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 11:20  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	77		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-03  
**Client ID:** MW-3  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 09:30  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/17/21 20:03  
**Analyst:** SDC

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/17/21 01:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
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	0.008	J	ug/l	0.014	0.003	1	B
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	0.019		ug/l	0.014	0.005	1	A
trans-Chlordane	0.017	P	ug/l	0.014	0.004	1	B
Chlordane	ND		ug/l	0.143	0.033	1	A

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-03  
 Client ID: MW-3  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 09:30  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	76		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-04  
 Client ID: MW-3\_DUP  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 09:35  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8081B  
 Analytical Date: 03/17/21 20:16  
 Analyst: SDC

Extraction Method: EPA 3510C  
 Extraction Date: 03/17/21 01:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
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	0.006	J	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	0.020		ug/l	0.014	0.005	1	A
trans-Chlordane	0.020	P	ug/l	0.014	0.004	1	B
Chlordane	ND		ug/l	0.143	0.033	1	A

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-04  
 Client ID: MW-3\_DUP  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 09:35  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	84		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-05  
**Client ID:** MW-4  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 12:00  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/17/21 20:28  
**Analyst:** SDC

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/17/21 01:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-05  
 Client ID: MW-4  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 12:00  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	65		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

**Lab ID:** L2112286-06  
**Client ID:** FIELD BLANK  
**Sample Location:** STATEN ISLAND, NY

**Date Collected:** 03/11/21 08:50  
**Date Received:** 03/11/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8081B  
**Analytical Date:** 03/17/21 20:41  
**Analyst:** SDC

**Extraction Method:** EPA 3510C  
**Extraction Date:** 03/17/21 01:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-06  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 08:50  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	67		30-150	B

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 03/17/21 18:10  
Analyst: AR

Extraction Method: EPA 3510C  
Extraction Date: 03/17/21 01:06

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1475233-1						
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:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 03/17/21 18:10  
Analyst: AR

Extraction Method: EPA 3510C  
Extraction Date: 03/17/21 01:06

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1475233-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	75		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2112286

Report Date: 03/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1475233-2 WG1475233-3									
Delta-BHC	68		71		30-150	4		20	A
Lindane	76		83		30-150	8		20	A
Alpha-BHC	81		88		30-150	9		20	A
Beta-BHC	95		90		30-150	6		20	A
Heptachlor	78		85		30-150	9		20	A
Aldrin	74		78		30-150	5		20	A
Heptachlor epoxide	78		78		30-150	1		20	A
Endrin	82		84		30-150	2		20	A
Endrin aldehyde	79		87		30-150	10		20	A
Endrin ketone	86		90		30-150	5		20	A
Dieldrin	81		85		30-150	4		20	A
4,4'-DDE	71		75		30-150	4		20	A
4,4'-DDD	83		87		30-150	5		20	A
4,4'-DDT	77		76		30-150	2		20	A
Endosulfan I	73		77		30-150	5		20	A
Endosulfan II	79		82		30-150	4		20	A
Endosulfan sulfate	78		80		30-150	2		20	A
Methoxychlor	80		86		30-150	7		20	A
cis-Chlordane	65		65		30-150	0		20	A
trans-Chlordane	73		76		30-150	3		20	A

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2112286

Report Date: 03/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1475233-2 WG1475233-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		83		30-150	A
Decachlorobiphenyl	68		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150	B
Decachlorobiphenyl	88		89		30-150	B

## METALS

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-01  
 Client ID: MW-1  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 10:30  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	0.323		mg/l	0.0100	0.00327	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00112		mg/l	0.00050	0.00016	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Barium, Total	0.03560		mg/l	0.00050	0.00017	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Calcium, Total	79.7		mg/l	0.100	0.0394	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Chromium, Total	0.00316		mg/l	0.00100	0.00017	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00106		mg/l	0.00050	0.00016	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Copper, Total	0.00138		mg/l	0.00100	0.00038	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Iron, Total	0.780		mg/l	0.0500	0.0191	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Lead, Total	0.00105		mg/l	0.00100	0.00034	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Magnesium, Total	39.6		mg/l	0.0700	0.0242	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Manganese, Total	0.04465		mg/l	0.00200	0.00044	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/17/21 04:50	03/18/21 14:25	EPA 7470A	1,7470A	EW
Nickel, Total	0.02744		mg/l	0.00200	0.00055	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Potassium, Total	3.99		mg/l	0.100	0.0309	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Sodium, Total	7.25		mg/l	0.100	0.0293	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00215	J	mg/l	0.00500	0.00157	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/17/21 02:03	03/17/21 09:25	EPA 3005A	1,6020B	AM
<b>Dissolved Metals - Mansfield Lab</b>											
Aluminum, Dissolved	0.00898	J	mg/l	0.0100	0.00327	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00101		mg/l	0.00050	0.00016	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.03142		mg/l	0.00050	0.00017	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM



**Project Name:** 197 CANAL STREET**Lab Number:** L2112286**Project Number:** 197 CANAL STREET**Report Date:** 03/25/21**SAMPLE RESULTS**

Lab ID: L2112286-01

Date Collected: 03/11/21 10:30

Client ID: MW-1

Date Received: 03/11/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Calcium, Dissolved	76.1		mg/l	0.100	0.0394	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00179		mg/l	0.00100	0.00017	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00071	J	mg/l	0.00100	0.00038	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.0205	J	mg/l	0.0500	0.0191	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	38.4		mg/l	0.0700	0.0242	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.00742		mg/l	0.00100	0.00044	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/16/21 17:50	03/18/21 13:41	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.01780		mg/l	0.00200	0.00055	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Potassium, Dissolved	3.65		mg/l	0.100	0.0309	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Selenium, Dissolved	0.00179	J	mg/l	0.00500	0.00173	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Sodium, Dissolved	6.91		mg/l	0.100	0.0293	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.00858	J	mg/l	0.01000	0.00341	1	03/16/21 17:45	03/17/21 12:26	EPA 3005A	1,6020B	AM





**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**SAMPLE RESULTS**

Lab ID: L2112286-02  
 Client ID: MW-2  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 11:20  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	0.287		mg/l	0.0100	0.00327	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00204		mg/l	0.00050	0.00016	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Barium, Total	0.07264		mg/l	0.00050	0.00017	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Calcium, Total	56.1		mg/l	0.100	0.0394	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Chromium, Total	0.00394		mg/l	0.00100	0.00017	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00087		mg/l	0.00050	0.00016	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Copper, Total	0.00136		mg/l	0.00100	0.00038	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Iron, Total	0.603		mg/l	0.0500	0.0191	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Lead, Total	0.00080	J	mg/l	0.00100	0.00034	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Magnesium, Total	45.9		mg/l	0.0700	0.0242	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Manganese, Total	0.03795		mg/l	0.00200	0.00044	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/17/21 04:50	03/18/21 14:48	EPA 7470A	1,7470A	EW
Nickel, Total	0.01750		mg/l	0.00200	0.00055	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Potassium, Total	8.74		mg/l	0.100	0.0309	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Selenium, Total	0.00292	J	mg/l	0.00500	0.00173	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Sodium, Total	90.8		mg/l	0.100	0.0293	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00457	J	mg/l	0.00500	0.00157	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/17/21 02:03	03/17/21 09:51	EPA 3005A	1,6020B	AM
<b>Dissolved Metals - Mansfield Lab</b>											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00170		mg/l	0.00050	0.00016	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.07464		mg/l	0.00050	0.00017	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM



Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-02

Date Collected: 03/11/21 11:20

Client ID: MW-2

Date Received: 03/11/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Calcium, Dissolved	58.7		mg/l	0.100	0.0394	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00301		mg/l	0.00100	0.00017	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00018	J	mg/l	0.00050	0.00016	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00112		mg/l	0.00100	0.00038	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	48.7		mg/l	0.0700	0.0242	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.01018		mg/l	0.00100	0.00044	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/16/21 17:50	03/18/21 13:44	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00853		mg/l	0.00200	0.00055	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Potassium, Dissolved	9.12		mg/l	0.100	0.0309	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Selenium, Dissolved	0.00284	J	mg/l	0.00500	0.00173	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Sodium, Dissolved	96.2		mg/l	0.100	0.0293	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	0.00381	J	mg/l	0.00500	0.00157	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	03/16/21 17:45	03/17/21 12:31	EPA 3005A	1,6020B	AM



Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-03

Date Collected: 03/11/21 09:30

Client ID: MW-3

Date Received: 03/11/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	0.128		mg/l	0.0100	0.00327	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Antimony, Total	0.00092	J	mg/l	0.00400	0.00042	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00121		mg/l	0.00050	0.00016	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Barium, Total	0.1293		mg/l	0.00050	0.00017	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00052		mg/l	0.00020	0.00005	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Calcium, Total	87.0		mg/l	0.100	0.0394	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Chromium, Total	0.00162		mg/l	0.00100	0.00017	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00047	J	mg/l	0.00050	0.00016	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Copper, Total	0.04346		mg/l	0.00100	0.00038	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Iron, Total	0.407		mg/l	0.0500	0.0191	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Lead, Total	0.1214		mg/l	0.00100	0.00034	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Magnesium, Total	33.8		mg/l	0.0700	0.0242	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Manganese, Total	0.01373		mg/l	0.00200	0.00044	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/17/21 04:50	03/18/21 14:52	EPA 7470A	1,7470A	EW
Nickel, Total	0.01225		mg/l	0.00200	0.00055	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Potassium, Total	4.95		mg/l	0.100	0.0309	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Selenium, Total	0.00245	J	mg/l	0.00500	0.00173	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Sodium, Total	93.7		mg/l	0.100	0.0293	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
Zinc, Total	0.2944		mg/l	0.01000	0.00341	1	03/17/21 02:03	03/17/21 09:56	EPA 3005A	1,6020B	AM
<b>Dissolved Metals - Mansfield Lab</b>											
Aluminum, Dissolved	0.00826	J	mg/l	0.0100	0.00327	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00131	J	mg/l	0.00400	0.00042	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00092		mg/l	0.00050	0.00016	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.1158		mg/l	0.00050	0.00017	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM



Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-03

Date Collected: 03/11/21 09:30

Client ID: MW-3

Date Received: 03/11/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	0.00049		mg/l	0.00020	0.00005	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Calcium, Dissolved	88.0		mg/l	0.100	0.0394	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00058	J	mg/l	0.00100	0.00017	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00022	J	mg/l	0.00050	0.00016	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.01974		mg/l	0.00100	0.00038	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.0710		mg/l	0.0500	0.0191	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.03401		mg/l	0.00100	0.00034	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	34.1		mg/l	0.0700	0.0242	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.00665		mg/l	0.00100	0.00044	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/16/21 17:50	03/18/21 13:47	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00949		mg/l	0.00200	0.00055	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Potassium, Dissolved	5.03		mg/l	0.100	0.0309	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Selenium, Dissolved	0.00239	J	mg/l	0.00500	0.00173	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Sodium, Dissolved	96.4		mg/l	0.100	0.0293	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Thallium, Dissolved	0.00014	J	mg/l	0.00050	0.00014	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.2649		mg/l	0.01000	0.00341	1	03/16/21 17:45	03/17/21 13:34	EPA 3005A	1,6020B	AM



Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-04

Date Collected: 03/11/21 09:35

Client ID: MW-3\_DUP

Date Received: 03/11/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	0.159		mg/l	0.0100	0.00327	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Antimony, Total	0.00092	J	mg/l	0.00400	0.00042	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00129		mg/l	0.00050	0.00016	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Barium, Total	0.1279		mg/l	0.00050	0.00017	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00055		mg/l	0.00020	0.00005	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Calcium, Total	85.1		mg/l	0.100	0.0394	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Chromium, Total	0.00154		mg/l	0.00100	0.00017	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00055		mg/l	0.00050	0.00016	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Copper, Total	0.02383		mg/l	0.00100	0.00038	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Iron, Total	0.477		mg/l	0.0500	0.0191	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Lead, Total	0.1155		mg/l	0.00100	0.00034	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Magnesium, Total	33.0		mg/l	0.0700	0.0242	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Manganese, Total	0.01500		mg/l	0.00200	0.00044	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/17/21 04:50	03/18/21 14:55	EPA 7470A	1,7470A	EW
Nickel, Total	0.01236		mg/l	0.00200	0.00055	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Potassium, Total	4.99		mg/l	0.100	0.0309	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Selenium, Total	0.00235	J	mg/l	0.00500	0.00173	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Sodium, Total	91.8		mg/l	0.100	0.0293	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
Zinc, Total	0.2906		mg/l	0.01000	0.00341	1	03/17/21 02:03	03/17/21 10:02	EPA 3005A	1,6020B	AM
<b>Dissolved Metals - Mansfield Lab</b>											
Aluminum, Dissolved	0.00948	J	mg/l	0.0100	0.00327	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00114	J	mg/l	0.00400	0.00042	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00097		mg/l	0.00050	0.00016	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.1143		mg/l	0.00050	0.00017	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM



Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-04

Date Collected: 03/11/21 09:35

Client ID: MW-3\_DUP

Date Received: 03/11/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	0.00049		mg/l	0.00020	0.00005	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Calcium, Dissolved	88.7		mg/l	0.100	0.0394	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00064	J	mg/l	0.00100	0.00017	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00021	J	mg/l	0.00050	0.00016	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.02059		mg/l	0.00100	0.00038	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.0501		mg/l	0.0500	0.0191	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.03377		mg/l	0.00100	0.00034	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	34.6		mg/l	0.0700	0.0242	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.00959		mg/l	0.00100	0.00044	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/16/21 17:50	03/18/21 14:09	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00945		mg/l	0.00200	0.00055	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Potassium, Dissolved	5.16		mg/l	0.100	0.0309	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Selenium, Dissolved	0.00237	J	mg/l	0.00500	0.00173	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Sodium, Dissolved	97.7		mg/l	0.100	0.0293	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.2633		mg/l	0.01000	0.00341	1	03/16/21 17:45	03/17/21 13:39	EPA 3005A	1,6020B	AM



Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-05

Date Collected: 03/11/21 12:00

Client ID: MW-4

Date Received: 03/11/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	14.9		mg/l	0.0100	0.00327	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Antimony, Total	0.00047	J	mg/l	0.00400	0.00042	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Arsenic, Total	0.02082		mg/l	0.00050	0.00016	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Barium, Total	0.4340		mg/l	0.00050	0.00017	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00147		mg/l	0.00050	0.00010	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00093		mg/l	0.00020	0.00005	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Calcium, Total	288.		mg/l	0.100	0.0394	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Chromium, Total	0.1030		mg/l	0.00100	0.00017	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Cobalt, Total	0.08045		mg/l	0.00050	0.00016	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Copper, Total	0.08987		mg/l	0.00100	0.00038	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Iron, Total	68.6		mg/l	0.0500	0.0191	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Lead, Total	0.7525		mg/l	0.00100	0.00034	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Magnesium, Total	88.0		mg/l	0.0700	0.0242	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Manganese, Total	1.656		mg/l	0.00200	0.00044	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Mercury, Total	0.00035		mg/l	0.00020	0.00009	1	03/17/21 04:50	03/18/21 14:58	EPA 7470A	1,7470A	EW
Nickel, Total	1.100		mg/l	0.00200	0.00055	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Potassium, Total	15.3		mg/l	0.100	0.0309	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Selenium, Total	0.00807		mg/l	0.00500	0.00173	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Silver, Total	0.00017	J	mg/l	0.00040	0.00016	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Sodium, Total	18.6		mg/l	0.100	0.0293	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Thallium, Total	0.00031	J	mg/l	0.00050	0.00014	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Vanadium, Total	0.05673		mg/l	0.00500	0.00157	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
Zinc, Total	0.4368		mg/l	0.01000	0.00341	1	03/17/21 02:03	03/17/21 10:07	EPA 3005A	1,6020B	AM
<b>Dissolved Metals - Mansfield Lab</b>											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00099		mg/l	0.00050	0.00016	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.1079		mg/l	0.00050	0.00017	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM



Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-05

Date Collected: 03/11/21 12:00

Client ID: MW-4

Date Received: 03/11/21

Sample Location: STATEN ISLAND, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Calcium, Dissolved	257.		mg/l	0.100	0.0394	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00043	J	mg/l	0.00100	0.00017	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00268		mg/l	0.00050	0.00016	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00216		mg/l	0.00100	0.00038	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	41.0		mg/l	0.0700	0.0242	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.9245		mg/l	0.00100	0.00044	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/16/21 17:50	03/18/21 14:12	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.01427		mg/l	0.00200	0.00055	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Potassium, Dissolved	12.9		mg/l	0.100	0.0309	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Sodium, Dissolved	18.4		mg/l	0.100	0.0293	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.00448	J	mg/l	0.01000	0.00341	1	03/16/21 17:45	03/17/21 14:31	EPA 3005A	1,6020B	AM





Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-06  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 08:50  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	0.00394	J	mg/l	0.0100	0.00327	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Calcium, Total	0.0400	J	mg/l	0.100	0.0394	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Copper, Total	0.00038	J	mg/l	0.00100	0.00038	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Manganese, Total	ND		mg/l	0.00200	0.00044	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/17/21 04:50	03/18/21 15:01	EPA 7470A	1,7470A	EW
Nickel, Total	ND		mg/l	0.00200	0.00055	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Sodium, Total	0.222		mg/l	0.100	0.0293	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/17/21 02:03	03/17/21 09:46	EPA 3005A	1,6020B	AM
<b>Dissolved Metals - Mansfield Lab</b>											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM



Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## SAMPLE RESULTS

Lab ID: L2112286-06  
 Client ID: FIELD BLANK  
 Sample Location: STATEN ISLAND, NY

Date Collected: 03/11/21 08:50  
 Date Received: 03/11/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Calcium, Dissolved	0.0422	J	mg/l	0.100	0.0394	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00020	J	mg/l	0.00100	0.00017	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/16/21 17:50	03/18/21 14:15	EPA 7470A	1,7470A	EW
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Sodium, Dissolved	0.250		mg/l	0.100	0.0293	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	03/16/21 17:45	03/17/21 12:53	EPA 3005A	1,6020B	AM



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

## 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): 01-06 Batch: WG1474625-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Manganese, Total	0.00187	J	mg/l	0.00200	0.00044	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/17/21 02:03	03/17/21 08:44	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/17/21 02:03	03/17/21 08:44	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): 01-06 Batch: WG1474628-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/17/21 04:50	03/18/21 14:18	1,7470A	EW



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

## Method Blank Analysis Batch Quality Control

### Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1474642-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Chromium, Dissolved	0.00026	J	mg/l	0.00100	0.00017	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Sodium, Dissolved	0.0302	J	mg/l	0.100	0.0293	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM
Zinc, Dissolved	0.00613	J	mg/l	0.01000	0.00341	1	03/16/21 17:45	03/17/21 11:50	1,6020B	AM

### Prep Information

Digestion Method: EPA 3005A



Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

## 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): 01-06 Batch: WG1474643-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/16/21 17:50	03/18/21 13:21	1,7470A	EW

### Prep Information

Digestion Method: EPA 7470A

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1474625-2								
Aluminum, Total	94		-		80-120	-		
Antimony, Total	92		-		80-120	-		
Arsenic, Total	106		-		80-120	-		
Barium, Total	102		-		80-120	-		
Beryllium, Total	102		-		80-120	-		
Cadmium, Total	106		-		80-120	-		
Calcium, Total	100		-		80-120	-		
Chromium, Total	97		-		80-120	-		
Cobalt, Total	100		-		80-120	-		
Copper, Total	102		-		80-120	-		
Iron, Total	98		-		80-120	-		
Lead, Total	103		-		80-120	-		
Magnesium, Total	100		-		80-120	-		
Manganese, Total	98		-		80-120	-		
Nickel, Total	98		-		80-120	-		
Potassium, Total	100		-		80-120	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	102		-		80-120	-		
Sodium, Total	100		-		80-120	-		
Thallium, Total	102		-		80-120	-		
Vanadium, Total	96		-		80-120	-		

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 197 CANAL STREET

**Lab Number:** L2112286

**Project Number:** 197 CANAL STREET

**Report Date:** 03/25/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1474625-2					
Zinc, Total	106	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1474628-2					
Mercury, Total	100	-	80-120	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 197 CANAL STREET

**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286

**Report Date:** 03/25/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1474642-2					
Aluminum, Dissolved	91	-	80-120	-	
Antimony, Dissolved	83	-	80-120	-	
Arsenic, Dissolved	98	-	80-120	-	
Barium, Dissolved	98	-	80-120	-	
Beryllium, Dissolved	97	-	80-120	-	
Cadmium, Dissolved	101	-	80-120	-	
Calcium, Dissolved	100	-	80-120	-	
Chromium, Dissolved	90	-	80-120	-	
Cobalt, Dissolved	91	-	80-120	-	
Copper, Dissolved	93	-	80-120	-	
Iron, Dissolved	91	-	80-120	-	
Lead, Dissolved	97	-	80-120	-	
Magnesium, Dissolved	95	-	80-120	-	
Manganese, Dissolved	92	-	80-120	-	
Nickel, Dissolved	88	-	80-120	-	
Potassium, Dissolved	98	-	80-120	-	
Selenium, Dissolved	102	-	80-120	-	
Silver, Dissolved	95	-	80-120	-	
Sodium, Dissolved	96	-	80-120	-	
Thallium, Dissolved	96	-	80-120	-	
Vanadium, Dissolved	90	-	80-120	-	



## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 197 CANAL STREET

**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286

**Report Date:** 03/25/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1474642-2					
Zinc, Dissolved	99	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1474643-2					
Mercury, Dissolved	104	-	80-120	-	

### Matrix Spike Analysis Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

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): 01-06    QC Batch ID: WG1474625-3    QC Sample: L2112382-01    Client ID: MS Sample												
Aluminum, Total	0.026	2	1.85	91		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.4907	98		-	-		75-125	-		20
Arsenic, Total	0.00032J	0.12	0.1230	102		-	-		75-125	-		20
Barium, Total	0.1029	2	2.043	97		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.04979	100		-	-		75-125	-		20
Cadmium, Total	0.0002J	0.051	0.05091	100		-	-		75-125	-		20
Calcium, Total	97.4	10	99.6	22	Q	-	-		75-125	-		20
Chromium, Total	0.0005J	0.2	0.1898	95		-	-		75-125	-		20
Cobalt, Total	0.0004J	0.5	0.4841	97		-	-		75-125	-		20
Copper, Total	0.0069	0.25	0.2562	100		-	-		75-125	-		20
Iron, Total	0.142	1	1.09	95		-	-		75-125	-		20
Lead, Total	0.0006J	0.51	0.5001	98		-	-		75-125	-		20
Magnesium, Total	8.11	10	17.2	91		-	-		75-125	-		20
Manganese, Total	0.0585	0.5	0.5315	95		-	-		75-125	-		20
Nickel, Total	0.0020J	0.5	0.4685	94		-	-		75-125	-		20
Potassium, Total	9.38	10	18.4	90		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.130	108		-	-		75-125	-		20
Silver, Total	ND	0.05	0.04848	97		-	-		75-125	-		20
Sodium, Total	56.5	10	59.3	28	Q	-	-		75-125	-		20
Thallium, Total	0.0002J	0.12	0.1194	100		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.4658	93		-	-		75-125	-		20

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

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): 01-06 QC Batch ID: WG1474625-3 QC Sample: L2112382-01 Client ID: MS Sample									
Zinc, Total	0.0145	0.5	0.5237	102	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1474628-3 QC Sample: L2112286-01 Client ID: MW-1									
Mercury, Total	ND	0.005	0.00482	96	-	-	75-125	-	20

### Matrix Spike Analysis Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

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): 01-06 QC Batch ID: WG1474642-3 QC Sample: L2112205-01 Client ID: MS Sample									
Aluminum, Dissolved	0.0214	2	1.88	93	-	-	75-125	-	20
Antimony, Dissolved	0.00075J	0.5	0.4801	96	-	-	75-125	-	20
Arsenic, Dissolved	0.00040J	0.12	0.1267	106	-	-	75-125	-	20
Barium, Dissolved	0.09579	2	2.052	98	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.04944	99	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05184	102	-	-	75-125	-	20
Calcium, Dissolved	75.2	10	82.7	75	-	-	75-125	-	20
Chromium, Dissolved	0.00020J	0.2	0.1825	91	-	-	75-125	-	20
Cobalt, Dissolved	0.03046	0.5	0.4843	91	-	-	75-125	-	20
Copper, Dissolved	0.00083J	0.25	0.2291	92	-	-	75-125	-	20
Iron, Dissolved	0.0490J	1	0.945	94	-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.4974	98	-	-	75-125	-	20
Magnesium, Dissolved	20.6	10	30.0	94	-	-	75-125	-	20
Manganese, Dissolved	2.412	0.5	2.813	80	-	-	75-125	-	20
Nickel, Dissolved	0.01540	0.5	0.4562	88	-	-	75-125	-	20
Potassium, Dissolved	3.22	10	13.2	100	-	-	75-125	-	20
Selenium, Dissolved	0.00322J	0.12	0.126	105	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04830	97	-	-	75-125	-	20
Sodium, Dissolved	48.5	10	54.0	55	Q	-	75-125	-	20
Thallium, Dissolved	0.00015J	0.12	0.1173	98	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.4531	91	-	-	75-125	-	20

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: 197 CANAL STREET

Lab Number: L2112286

Project Number: 197 CANAL STREET

Report Date: 03/25/21

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): 01-06 QC Batch ID: WG1474642-3 QC Sample: L2112205-01 Client ID: MS Sample									
Zinc, Dissolved	0.01146	0.5	0.5227	102	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1474643-3 QC Sample: L2112205-01 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00447	89	-	-	75-125	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2112286

Report Date: 03/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1474625-4 QC Sample: L2112382-01 Client ID: DUP Sample						
Arsenic, Total	0.00032J	0.00036J	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1474628-4 QC Sample: L2112286-01 Client ID: MW-1						
Mercury, Total	ND	ND	mg/l	NC		20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2112286

Report Date: 03/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1474642-4 QC Sample: L2112205-01 Client ID: DUP Sample					
Aluminum, Dissolved	0.0214	0.0201	mg/l	6	20
Antimony, Dissolved	0.00075J	0.00117J	mg/l	NC	20
Arsenic, Dissolved	0.00040J	0.00050	mg/l	NC	20
Barium, Dissolved	0.09579	0.09840	mg/l	3	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	0.00006J	mg/l	NC	20
Calcium, Dissolved	75.2	78.2	mg/l	4	20
Chromium, Dissolved	0.00020J	0.00022J	mg/l	NC	20
Cobalt, Dissolved	0.03046	0.03084	mg/l	1	20
Copper, Dissolved	0.00083J	0.00080J	mg/l	NC	20
Iron, Dissolved	0.0490J	0.0584	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	20.6	21.0	mg/l	2	20
Manganese, Dissolved	2.412	2.498	mg/l	4	20
Nickel, Dissolved	0.01540	0.01505	mg/l	2	20
Potassium, Dissolved	3.22	3.31	mg/l	3	20
Selenium, Dissolved	0.00322J	0.00324J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	48.5	49.6	mg/l	2	20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREET

Lab Number: L2112286

Report Date: 03/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1474642-4 QC Sample: L2112205-01 Client ID: DUP Sample					
Thallium, Dissolved	0.00015J	0.00045J	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.01146	0.01179	mg/l	3	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1474643-4 QC Sample: L2112205-01 Client ID: DUP Sample					
Mercury, Dissolved	ND	ND	mg/l	NC	20



Project Name: 197 CANAL STREET

Project Number: 197 CANAL STREE

**Lab Serial Dilution  
Analysis  
Batch Quality Control**

Lab Number: L2112286

Report Date: 03/25/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1474642-6 QC Sample: L2112205-01 Client ID: DUP Sample						
Barium, Dissolved	0.09579	0.08843	mg/l	8		20
Calcium, Dissolved	75.2	71.8	mg/l	5		20
Cobalt, Dissolved	0.03046	0.02941	mg/l	3		20
Magnesium, Dissolved	20.6	20.0	mg/l	3		20
Manganese, Dissolved	2.412	2.328	mg/l	3		20
Potassium, Dissolved	3.22	3.06	mg/l	5		20
Sodium, Dissolved	48.5	44.2	mg/l	9		20

**Project Name:** 197 CANAL STREET**Lab Number:** L2112286**Project Number:** 197 CANAL STREET**Report Date:** 03/25/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent
B	Absent
C	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2112286-01A	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260(14)
L2112286-01B	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260(14)
L2112286-01C	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260(14)
L2112286-01D	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2112286-01E	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2112286-01F	Plastic 250ml unpreserved	B	6	6	4.6	Y	Absent		-
L2112286-01G	Plastic 250ml HNO3 preserved	B	<2	<2	4.6	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),NI-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),HG-T(28),AL-6020T(180),MG-6020T(180),AG-6020T(180),CO-6020T(180)
L2112286-01H	Amber 120ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8082-LVI(7)
L2112286-01I	Amber 120ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8082-LVI(7)
L2112286-01J	Amber 120ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8081(7)
L2112286-01K	Amber 120ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8081(7)
L2112286-01L	Amber 250ml unpreserved	C	6	6	4.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2112286-01M	Amber 250ml unpreserved	C	6	6	4.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2112286-01N	Amber 250ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2112286-01O	Amber 250ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Serial\_No:**03252112:02  
**Lab Number:** L2112286  
**Report Date:** 03/25/21

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2112286-01X	Plastic 120ml HNO3 preserved Filtrates	B	NA		4.6	Y	Absent		V-6020S(180),CU-6020S(180),K-6020S(180),SE-6020S(180),MN-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),BE-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),TL-6020S(180),NI-6020S(180),NA-6020S(180),PB-6020S(180),BA-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2112286-02A	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260(14)
L2112286-02B	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260(14)
L2112286-02C	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260(14)
L2112286-02D	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2112286-02E	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2112286-02F	Plastic 250ml unpreserved	B	6	6	4.6	Y	Absent		-
L2112286-02G	Plastic 250ml HNO3 preserved	B	<2	<2	4.6	Y	Absent		SE-6020T(180),BA-6020T(180),TL-6020T(180),FE-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),CD-6020T(180),AG-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)
L2112286-02H	Amber 120ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8082-LVI(7)
L2112286-02I	Amber 120ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8082-LVI(7)
L2112286-02J	Amber 120ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8081(7)
L2112286-02K	Amber 120ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8081(7)
L2112286-02L	Amber 250ml unpreserved	C	6	6	4.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2112286-02M	Amber 250ml unpreserved	C	6	6	4.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2112286-02N	Amber 250ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2112286-02O	Amber 250ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(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(*)
L2112286-02X	Plastic 120ml HNO3 preserved Filtrates	B	NA		4.6	Y	Absent		SE-6020S(180),CU-6020S(180),K-6020S(180),V-6020S(180),MN-6020S(180),CO-6020S(180),ZN-6020S(180),BE-6020S(180),MG-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),NI-6020S(180),PB-6020S(180),BA-6020S(180),NA-6020S(180),TL-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)
L2112286-03A	Vial HCl preserved	C	NA		4.5	Y	Absent		NYTCL-8260(14)
L2112286-03B	Vial HCl preserved	C	NA		4.5	Y	Absent		NYTCL-8260(14)
L2112286-03C	Vial HCl preserved	C	NA		4.5	Y	Absent		NYTCL-8260(14)
L2112286-03D	Plastic 250ml unpreserved	C	6	6	4.5	Y	Absent		-
L2112286-03E	Plastic 250ml HNO3 preserved	C	<2	<2	4.5	Y	Absent		FE-6020T(180),BA-6020T(180),TL-6020T(180),SE-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),MG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),AG-6020T(180),CO-6020T(180)
L2112286-03F	Amber 120ml unpreserved	C	6	6	4.5	Y	Absent		NYTCL-8082-LVI(7)
L2112286-03G	Amber 120ml unpreserved	C	6	6	4.5	Y	Absent		NYTCL-8082-LVI(7)
L2112286-03H	Amber 120ml unpreserved	C	6	6	4.5	Y	Absent		NYTCL-8081(7)
L2112286-03I	Amber 120ml unpreserved	C	6	6	4.5	Y	Absent		NYTCL-8081(7)
L2112286-03J	Amber 250ml unpreserved	C	6	6	4.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2112286-03K	Amber 250ml unpreserved	C	6	6	4.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2112286-03X	Plastic 120ml HNO3 preserved Filtrates	C	NA		4.5	Y	Absent		V-6020S(180),CU-6020S(180),K-6020S(180),SE-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),NI-6020S(180),NA-6020S(180),PB-6020S(180),BA-6020S(180),TL-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)
L2112286-04A	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260(14)
L2112286-04B	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260(14)

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<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2112286-04C	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260(14)
L2112286-04D	Plastic 250ml unpreserved	B	6	6	4.6	Y	Absent		-
L2112286-04E	Plastic 250ml HNO3 preserved	B	<2	<2	4.6	Y	Absent		BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),CD-6020T(180),AL-6020T(180),CO-6020T(180)
L2112286-04F	Amber 120ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8082-LVI(7)
L2112286-04G	Amber 120ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8082-LVI(7)
L2112286-04H	Amber 120ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8081(7)
L2112286-04I	Amber 120ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8081(7)
L2112286-04J	Amber 250ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2112286-04K	Amber 250ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2112286-04X	Plastic 120ml HNO3 preserved Filtrates	B	NA		4.6	Y	Absent		SE-6020S(180),CU-6020S(180),K-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),ZN-6020S(180),CO-6020S(180),MG-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),NA-6020S(180),BA-6020S(180),NI-6020S(180),TL-6020S(180),PB-6020S(180),SB-6020S(180),AS-6020S(180),AG-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)
L2112286-05A	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260(14)
L2112286-05B	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260(14)
L2112286-05C	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260(14)
L2112286-05D	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2112286-05E	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2112286-05F	Plastic 250ml unpreserved	B	6	6	4.6	Y	Absent		-

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**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2112286-05G	Plastic 250ml HNO3 preserved	B	<2	<2	4.6	Y	Absent		SE-6020T(180),TL-6020T(180),FE-6020T(180),BA-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)
L2112286-05H	Amber 120ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8082-LVI(7)
L2112286-05I	Amber 120ml unpreserved	B	NA		4.6	Y	Absent		NYTCL-8082-LVI(7)
L2112286-05J	Amber 120ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8081(7)
L2112286-05K	Amber 120ml unpreserved	B	NA		4.6	Y	Absent		NYTCL-8081(7)
L2112286-05L	Amber 250ml unpreserved	B	6	6	4.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2112286-05M	Amber 250ml unpreserved	B	NA		4.6	Y	Absent		ARCHIVE()
L2112286-05N	Amber 250ml unpreserved	B	6	6	4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2112286-05O	Amber 250ml unpreserved	B	NA		4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2112286-05X	Plastic 120ml HNO3 preserved Filtrates	B	NA		4.6	Y	Absent		CU-6020S(180),SE-6020S(180),K-6020S(180),V-6020S(180),MN-6020S(180),CO-6020S(180),MG-6020S(180),BE-6020S(180),ZN-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),PB-6020S(180),NA-6020S(180),NI-6020S(180),TL-6020S(180),BA-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2112286-06A	Vial HCl preserved	C	NA		4.5	Y	Absent		NYTCL-8260(14)
L2112286-06B	Vial HCl preserved	C	NA		4.5	Y	Absent		NYTCL-8260(14)
L2112286-06C	Vial HCl preserved	C	NA		4.5	Y	Absent		NYTCL-8260(14)
L2112286-06D	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2112286-06F	Plastic 250ml unpreserved	C	6	6	4.5	Y	Absent		-
L2112286-06G	Plastic 250ml HNO3 preserved	C	<2	<2	4.5	Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),K-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),MG-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),AL-6020T(180),CO-6020T(180)

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<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2112286-06H	Amber 120ml unpreserved	C	6	6	4.5	Y	Absent		NYTCL-8082-LVI(7)
L2112286-06I	Amber 120ml unpreserved	C	6	6	4.5	Y	Absent		NYTCL-8082-LVI(7)
L2112286-06J	Amber 120ml unpreserved	C	6	6	4.5	Y	Absent		NYTCL-8081(7)
L2112286-06K	Amber 120ml unpreserved	C	6	6	4.5	Y	Absent		NYTCL-8081(7)
L2112286-06L	Amber 250ml unpreserved	C	6	6	4.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2112286-06M	Amber 250ml unpreserved	C	6	6	4.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2112286-06N	Amber 250ml unpreserved	C	6	6	4.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2112286-06O	Amber 250ml unpreserved	C	6	6	4.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2112286-06X	Plastic 120ml HNO3 preserved Filtrates	C	NA		4.5	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),CO-6020S(180),ZN-6020S(180),BE-6020S(180),MG-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),NA-6020S(180),TL-6020S(180),BA-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2112286-07A	Vial HCl preserved	C	NA		4.5	Y	Absent		NYTCL-8260(14)
L2112286-07B	Vial HCl preserved	C	NA		4.5	Y	Absent		NYTCL-8260(14)

**Container Comments**

L2112286-05I	Container received empty
L2112286-05K	Container received empty
L2112286-05M	Container received empty
L2112286-05O	Container received empty

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### PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
<b>PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)</b>		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
<b>PERFLUOROALKYL SULFONIC ACIDS (PFSAs)</b>		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
<b>FLUOROTELOMERS</b>		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
<b>PERFLUOROALKANE SULFONAMIDES (FASAs)</b>		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
<b>PERFLUOROALKANE SULFONYL SUBSTANCES</b>		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
<b>PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS</b>		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
<b>CHLORO-PERFLUOROALKYL SULFONIC ACIDS</b>		
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
<b>PERFLUOROETHER SULFONIC ACIDS (PFESAs)</b>		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEEESA	113507-82-7
<b>PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)</b>		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6



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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.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.

Report Format: DU Report with 'J' Qualifiers



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#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**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. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**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 Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- 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.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- 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.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

**Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

**Project Name:** 197 CANAL STREET  
**Project Number:** 197 CANAL STREET

**Lab Number:** L2112286  
**Report Date:** 03/25/21

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

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The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### 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

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The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-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, SM9222D.**

### 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, EPA 537.1.**

#### 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**

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For a complete listing of analytes and methods, please contact your Alpha Project Manager.

	<b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of 1	Date Rec'd in Lab 3/11/21	ALPHA Job # 62112286																																																																																																																					
	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																																																																																																																								
<b>Client Information</b> Client: <u>Tenen Environmental</u> Address: <u>121 West 27th St</u> <u>Suite 702, NY, NY 10001</u> Phone: <u>646-606-2332</u> Fax: <u>aplatt@tenen-env.com</u> Email: <u>mcarroll@tenen-env.com</u>		<b>Project Information</b> Project Name: <u>197 Canal Street</u> Project Location: <u>Staten Island, NY</u> Project #: (Use Project name as Project #) <input checked="" type="checkbox"/>		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		<b>Billing Information</b> <input checked="" type="checkbox"/> Same as Client Info PO #																																																																																																																				
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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">VOCs</th> <th rowspan="2">SVOCs</th> <th rowspan="2">Total/Disolved Metals</th> <th rowspan="2">Pesticides</th> <th rowspan="2">PCBS</th> <th rowspan="2">PFAS</th> <th rowspan="2">1,4-Dioxane</th> <th rowspan="2">Sample Specific Comments</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>12286-01</td> <td>MW-1</td> <td>3/11/21</td> <td>10:30</td> <td>Water</td> <td>AP</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>15</td> </tr> <tr> <td>-02</td> <td>MW-2</td> <td></td> <td>11:20</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>15</td> </tr> <tr> <td>-03</td> <td>MW-3</td> <td></td> <td>9:30</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>11</td> </tr> <tr> <td>-04</td> <td>MW-3 DUP</td> <td></td> <td>9:35</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>11</td> </tr> <tr> <td>-05</td> <td>MW-4</td> <td></td> <td>12:00</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>15</td> </tr> <tr> <td>-06</td> <td>Field Blank</td> <td></td> <td>8:50</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>15</td> </tr> <tr> <td>-07</td> <td>Trip Blank</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> </tr> </tbody> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID			Collection		Sample Matrix	Sampler's Initials	VOCs	SVOCs	Total/Disolved Metals	Pesticides	PCBS	PFAS	1,4-Dioxane	Sample Specific Comments	Date	Time	12286-01	MW-1	3/11/21	10:30	Water	AP	X	X	X	X	X	X	X		15	-02	MW-2		11:20			X	X	X	X	X	X	X		15	-03	MW-3		9:30			X	X	X	X	X	X	X		11	-04	MW-3 DUP		9:35			X	X	X	X	X	X	X		11	-05	MW-4		12:00			X	X	X	X	X	X	X		15	-06	Field Blank		8:50			X	X	X	X	X	X	X		15	-07	Trip Blank					X						
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