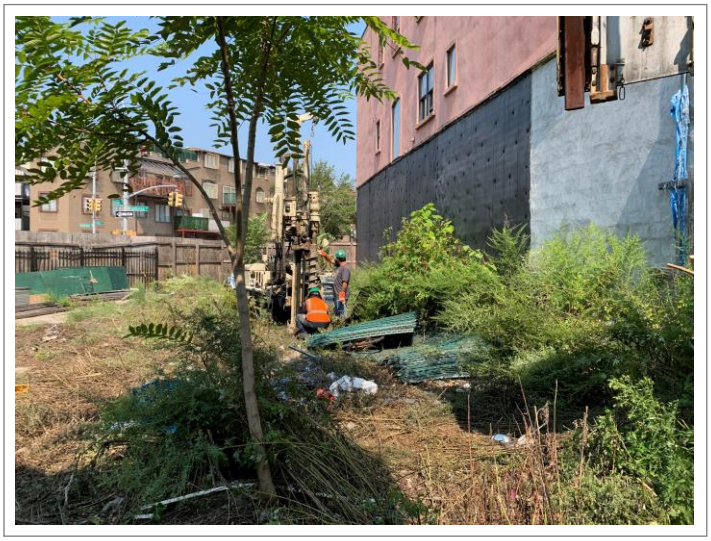


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REMEDIAL INVESTIGATION REPORT
100 UNION HOLDINGS LLC
100 Union Avenue Redevelopment Site
100 Union Avenue
Brooklyn, NY

NYSDEC BCP Site Number C224274

August 2022
File No. 12.0076932.00



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CERTIFICATION

I David Winslow, Ph.D., P.G., certify that I am currently a Qualified Environmental Professional and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remedial (DER) Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

David Winslow, Ph.D., P.G.

Name



Signature

August 19, 2022

Date

LIST OF ACRONYMS

ADT	Aquifer Drilling and Testing, Inc. of Mineola, NY
Alpha	Alpha Analytical of Westborough, Massachusetts
AOCs	Areas of Concern
BCA	Brownfield Cleanup Agreement
bgs	below ground surface
COC	contaminant of concern
CSCOs	Commercial Use SCOs
DER-10	Division of Environmental Remediation-10
DPK	DPK Consulting, LLC
DUSR	Data Usability Summary Report
EDDs	electronic data deliverables
ELAP	Environmental Laboratory Approval Program
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
ESI	Environmental Site Investigation
eV	electron volts
GPR	ground penetrating radar
GWQS	Groundwater Quality Standards
GZA	GZA GeoEnvironmental of New York
HydroTech	HydroTech Environmental Engineering and Geology, DPC
LC/MS/MS	liquid chromatography tandem mass spectrometry method
MCL	maximum containment limit
MHz	megahertz
NAVD 88	North American Vertical Datum of 1988

NOVA	NOVA Geophysical Engineering of Douglaston, NY
NYC OER	New York City Office of Environmental Protection
NYCRR	New York Codes, Rules, and Regulations
NYCT	New York City Transit
NYC VCP	New York City Voluntary Cleanup Program
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAHs	polycyclic aromatic hydrocarbons
ppm	parts per million
PCBs	polychlorinated Bbphenyls
PCE	tetrachloroethene
PFAS	polyfluoroalkyl substances
PFOA	perfluorooctanoic acid
PFOS	perfluorooctanesulfonic acid
PFPeA	perfluoropentanoic acid
PID	photoionization detector
PVC	polyvinyl chloride
RAWP	Remedial Action Work Plan
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
RRSCOs	Restricted-Residential Use SCOs
SCOs	Soil Cleanup Objectives
SVOCs	semi-volatile organic compounds
TCE	trichloroethene
USGS	U.S. Geological Survey

USTs	underground storage tanks
UUSCOs	Unrestricted Use SCOs
VOCs	volatile organic compounds

1.0 INTRODUCTION

This Remedial Investigation Report (RIR) has been developed by Goldberg Zoino & Associates P.C. d/b/a GZA GeoEnvironmental of New York (GZA) on behalf of 100 Union Holdings LLC and Carnegie Management Inc. (collectively the Volunteer) in accordance with the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Agreement (BCA) for the 100 Union Avenue Redevelopment Site, Site No. C224274 (Site). The Volunteer entered into the BCA with NYSDEC on February 11, 2019. This RIR has been developed in accordance with the BCA; 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 Environmental Remediation Programs; Division of Environmental Remediation-10 (DER-10) Technical Guidance for Site Investigation and Remediation; and the NYSDEC-approved Remedial Investigation Work Plan (RIWP) dated May 17, 2019, prepared by HydroTech Environmental Engineering and Geology, DPC (HydroTech). The objective of the remedial investigation is to fully delineate the nature and extent of contamination in soil, soil vapor, and groundwater at the Site.

2.0 SITE DESCRIPTION

2.1 SITE LOCATION

The Site is located at 100 Union Avenue, Brooklyn, NY. The New York City Tax Assessor identifies the Site as Block 2242, Lot 3. The Site is 10,566 square ft and bounded by Middleton Street to the north, a small parking area (Lot 2) and multi-story residential building (Lot 1) to the south/southeast, Union Avenue to the west, and a New York City Transit (NYCT) substation (Lot 57) and multi-story residential buildings (Lots 15 and 7502) to the east. Currently the Site is vacant. Surface cover is mostly concrete with patches of vegetation throughout the Site. A Site Location Map is provided as **Figure 1** and a Site Plan is provided as **Figure 2**.

2.2 SITE VICINITY

The Site vicinity consists of various land uses including multi-story residential apartments, commercial, parking, industrial, institutions and vacant properties. Descriptions of the adjacent properties are listed in the table below:

Direction	Street Address/Location	Name (as applicable) and Current Use
North	Middleton Street; 120 Union Avenue, 181 Middleton Street, 113 Harrison Avenue	Municipal roadway; mixed residential and commercial use Buildings (multi-story apartments/condominiums)
South	131 Harrison Avenue; 133 and 145 Lorimer Street	Parking lot; mixed residential and commercial use building (apartments and land surveyor AAA Group R.E. Services Inc.); transportation and utility (NYCT)
East	180 Middleton Street; 147 Lorimer Street	Residential use (multi-story apartments)
West	Union and Harrison Avenue intersection; 122-130 Harrison Avenue; 89 Union Avenue	Municipal roadways with landscaped island; residential use (multi-story apartments); vacant land

2.3 SITE HISTORY & PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Slate Property Group enrolled the Site in the New York City Voluntary Cleanup Program (NYC VCP) administered by the New York City Office of Environmental Remediation (NYC OER) and proposed to redevelop the property for residential use. In January 2014 under the NYC VCP, HydroTech performed a Phase I Environmental Site Assessment (ESA). The Phase I ESA identified the Site to be occupied by a church and residential dwelling between 1887 and 1935. The Site became vacant and undeveloped in 1950. The Site was utilized for auto sales with a one-story building in the northern portion between 1965 and 1991, and as an auto repair shop and junkyard from 1992 until the time of the Phase I ESA in 2014.

The Phase I ESA identified the following areas of concern (AOCs):

- Historical use of the property for auto repairs and a junk yard;
- Presence of an E Designation for hazardous materials and air;
- Historical presence of underground storage tanks (USTs);
- Suspected presence of USTs; and
- Presence of an oil-water separator.

In April 2014, HydroTech performed a Phase II Environmental Site Investigation (ESI), which consisted of the following:

- Completion of a geophysical survey.
- Installation of six soil borings (SP-1, SP-2, SP-3, SP-4, SP-5, and SP-6) and collection and analysis of 12 soil samples.
- Installation of four soil vapor probes (SV-1, SV-2, SV-3, and SV-4) and collection and analysis of four soil gas samples.
- Installation of four monitoring wells (MW-1, MW-2, MW-3, and MW-4) and collection and analysis of four groundwater samples.

The results of the ESI were documented in HydroTech's June 2014 RIR and indicated the presence of volatile organic compounds (VOCs), specifically methylene chloride and tetrachloroethene (PCE), in groundwater at concentrations greater than the Groundwater Quality Standards (GWQS). PCE and other chlorinated VOCs were also detected in soil vapor samples. Additional petroleum-related VOCs (e.g., benzene, toluene ethylbenzene and xylenes) were detected in soil vapor samples. VOCs were not detected in soil samples above Unrestricted Use Soil Cleanup Objectives (UUSCOs), except for acetone which is a common laboratory contaminant.

Semi-volatile organic compounds (SVOCs), specifically polycyclic aromatic hydrocarbons (PAHs) and metals were detected at concentrations greater than UUSCOs and Restricted Residential Use Soil Cleanup Objectives (RRSCOs) in soil and at concentrations greater than GWQS in groundwater. These observations are consistent with the presence of historic fill material at the Site. Pesticides and polychlorinated biphenyls (PCBs) were not detected in soil or groundwater samples above the Soil Cleanup Objectives (SCOs) or GWQS, respectively.

Based on these observations, HydroTech prepared a May 2019 RIWP under the NYSDEC BCA to characterize the nature and extent of these compounds at the Site. GZA implemented the NYSDEC-approved RIWP, the results of which are the

subject of this RIR. **Section 4** includes a comprehensive discussion of the results, including the results of HydroTech's initial investigation and the supplemental investigation completed by GZA and described in this report.

2.4 PROPOSED REDEVELOPMENT

The Site is proposed for redevelopment into a multi-family residential property. There is the potential for ground floor commercial land uses, which are being considered during redevelopment. The specific redevelopment plan has not been finalized.

2.5 GEOLOGY AND HYDROGEOLOGY

Based on the U.S. Geological Survey (USGS) 2019 topographic maps of Brooklyn, NY, Brooklyn Quadrangle, the Site is located between elevation 14.4 to 15.5 ft above North American Vertical Datum of 1988 (NAVD 88). The topographic gradient of the Site and the surrounding area gradually slopes downward to the west-northwest towards the East River.

During the remedial investigation, urban fill composed of brown medium sand with some medium gravel and cinders was identified throughout the Site between 0 to 8 ft below ground surface (bgs). Native brown to gray silty sand was identified below the fill layer throughout the Site between 8 and 15 ft bgs. Localized one- to two-foot lenses of dark brown silt, white fine sand, or medium sand were identified beneath the fill layer and above the silty sand layer in portions of the Site. A clay layer was observed beneath the silty sand between 9 and 15 ft bgs. Bedrock was not encountered. **Figure 3** depicts a geologic cross-section of the Site.

During GZAs investigation activities, groundwater was found to flow in a south/southeast direction (**Figure 4**). Groundwater was encountered between approximately 7 and 9 ft bgs.

3.0 INVESTIGATION METHODS

In accordance with the approved RIWP, GZA performed the following scope of work during the RI.

3.1 GEOPHYSICAL SURVEY

On July 14, 2020, NOVA Geophysical Engineering of Douglaston, NY (NOVA), under contract to GZA, performed a geophysical survey of the Site. The survey was limited to the accessible portions of the Site within the fenced lot along Union Avenue. Portions of the Site were not accessible due to the presence of heavy vegetation. NOVA utilized a Noggin™ 250-megahertz (MHz) ground penetrating radar (GPR) with a shielded antenna and a radio detection RD7100 electromagnetic utility locator. NOVA cleared and marked the proposed boring locations at the time of the survey and traced underground utilities in the areas surveyed. No geophysical anomalies resembling buried utilities, USTs, oil-water separators, associated ports/vents or trench drains were identified during the geophysical survey. The geophysical survey report is provided as **Appendix A**.

3.2 SOIL BORING INSTALLATION

GZA subcontracted Aquifer Drilling and Testing, Inc. of Mineola, NY (ADT) to advance five soil borings (SP-7 through SP-10 and MW-2a) at the Site on August 26, 2020. Prior to invasive work, ADT contacted New York 811 and requested a utility mark out to locate underground utilities on the sidewalk and street fronting the Site. The soil borings were advanced using a track-mounted direct push Geoprobe® 7822DT equipped with a two-inch inside diameter MacroCore® soil sampling unit with a disposable acetate liner sleeve. Soil cores were collected continuously at five foot intervals to a depth 15 ft bgs,

approximately 5 ft below the groundwater table. Boring locations were located with tape measurements. Soil boring locations are presented on **Figure 5**. Soil boring logs are provided **as Appendix B**.

GZA personnel screened the soil for the presence of total organic vapors using a photoionization detector (PID) equipped with a 10.6 electron volts (eV) lamp, observed the soil for visual or olfactory evidence of contamination, and classified the recovered soil using the Modified Burmister soil classification system.

3.3 SOIL VAPOR PROBE INSTALLATION

On August 27, 2020, ADT installed three soil vapor probes (SV-5 through SV-7) using a track-mounted direct push Geoprobe® 7822DT equipped with 1.5-inch diameter hammer rods. Soil vapor samples were collected using a stainless-steel probe consisting of a drive point and interval perforated sampling port with a retractable tip. The soil vapor probes were continuously advanced into the subsurface and set at approximately 6 ft bgs. The screened intervals were backfilled with filter pack followed by bentonite. Each probe was connected to a sample port with new dedicated Teflon™-lined polyethylene tubing and the borings were finished with a bentonite seal. Bentonite was placed at the top of each soil vapor point to create a seal. Soil vapor points were located with tape measurements and are presented on **Figure 6.**

3.4 MONITORING WELL INSTALLATION

On August 27, 2020, ADT installed five permanent monitoring wells (MW-1a through MW-4a and MW-5) using a track-mounted direct push Geoprobe® 7822DT equipped with a hollow stem auger. The monitoring wells were set at approximately 15 ft bgs, or within 5 ft of the groundwater table, as groundwater at the Site ranged between 7 to 9 ft bgs. Each well was constructed with 10 ft of Schedule 40, two-inch diameter, 0.010-inch machine slotted polyvinyl chloride (PVC) screens and risers. The annular space of the wells was filled with No. 2 sand extending approximately one foot above the top of the screen. An approximately two-foot thick layer of bentonite was placed above the sand packs and the borings were sealed with cement extending to the ground surface. The wells were completed with a flush mount curb box and locking gripper cap. Monitoring well locations are presented on **Figure 7**. Monitoring well logs are provided as **Appendix B**.

After installation, the monitoring wells were developed using a submersible pump and dedicated polyethylene tubing to remove fine materials generated during well installation activities until the groundwater was visibly free of turbidity. The purge water and soil cuttings were containerized in a 55-gallon drum and stored on-Site pending analysis and prior to disposal off-Site.

3.5 SAMPLE COLLECTION AND LABORATORY ANALYSES

Media sampled and evaluated as part of this remedial investigation include soil, soil vapor and groundwater. A summary of sample locations and their respective analyses is provided in **Table 1.**

3.5.1 Soil Sample Collection and Laboratory Analyses

GZA collected up to three soil samples from each soil boring (except MW-2a):

- A shallow soil sample from the surface to two ft bgs;
- Interval of greatest observed contamination; and
- The six-inch interval above the groundwater table.

In scenarios where no evidence of contamination was observed, samples were only collected from the first two ft bgs and six inches above the groundwater table.

Soil samples for analysis of VOCs were collected first using EnCore™ samplers. The sample interval then was homogenized for collection of a sample for the remaining analytes. Samples for analysis of polyfluoroalkyl substances (PFAS) were collected using the procedure outlined in the Standard Operating Procedure (SOP) provided as **Appendix C**. Following soil sample collection, the boreholes were backfilled with the soil cuttings and restored to grade and patched with concrete if the location was not in a vegetated area.

The soil sample containers were placed in insulated coolers with ice and transported under chain-of-custody protocols to Alpha Analytical of Westborough, Massachusetts (Alpha), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory for the following analyses:

- VOCs by U.S. Environmental Protection Agency (EPA) Method 8260C;
- SVOCs by EPA Method 8270D;
- PCBs by EPA Method 8082;
- Pesticides/herbicides by EPA Method 8081 and 8151A, respectively;
- Metals by EPA Method 6010; and
- PFAS by liquid chromatography tandem mass spectrometry method (LC/MS/MS) with isotope dilution.

3.5.2 Soil Vapor Sample Collection and Laboratory Analyses

A helium leak-detection test was performed at each soil vapor sampling location prior to sampling. No leaks were detected. Additionally, each soil vapor location was screened with a PID. VOC levels were measured at approximately 6 to 7 parts per million (ppm). Soil vapor samples were collected using a 2.7-liter stainless steel Summa® canister with six-hour flow regulators attached to the sample tubing. Following soil vapor sample collection, the soil vapor probes were removed from the ground and the boreholes were backfilled with soil and restored to grade. **Appendix D** includes the soil vapor sample logs. The Summa® canisters were sealed, packaged, and transported under property chain-of-custody procedures to Alpha for VOC analysis by EPA Method TO-15.

3.5.3 Groundwater Sample Collection and Laboratory Analyses

On September 14, 2020, two weeks after monitoring wells (MW-1a through MW-4a and MW-5) were developed, the monitoring wells were sampled using low-flow sampling procedures. Prior to sampling, the headspace in the monitoring well was screened using a PID and the water level was measured using an electronic oil-water interface probe. The monitoring wells were purged utilizing a low-flow submersible stainless-steel pump with dedicated polyethylene tubing connected to a transparent flow cell. Groundwater from each well was purged using low pumping rates to limit drawdown of the water level until turbidity, pH, temperature, dissolved oxygen, and specific conductivity stabilized. Field measurements, taken from the flow cell, were recorded in the field logbook during and after purging, and before sampling. Purging was performed with a stainless-steel bladder pump. Intake depths were placed at the midpoint of the saturated well screen to ensure stagnant water in the well was removed while not stirring up sediment that may have accumulated on the bottom of the well.

Groundwater samples were collected in laboratory-supplied contains. Samples for PFAS analysis were collected using the procedures outlined in the Standard Operating Procedure (SOP) provided as **Appendix C**. Immediately after sample collection, the groundwater sample containers were placed in insulated coolers with ice and transported under chain-of-custody protocols to Alpha for the following analyses:

- VOCs by EPA Method 8260C;
- SVOCs (including 1,4-dioxane) by EPA Method 8270D;
- PCBs by EPA Method 8082;
- Pesticides/herbicides by EPA Method 8081 and 8151A, respectively;
- Metals by EPA Method 6010;
- PFAS by LC/MS/MS with isotope dilution.

3.6 DATA VALIDATION

Data Usability Summary Reports (DUSRs) were prepared in accordance with the DER-10 for the samples collected by GZA. The primary objective of a DUSR is to determine whether data meets the site-specific criteria for data quality and usability. The DUSR provides an evaluation of analytical data quality without third party data validation. The results of the data usability evaluation indicate that the data collected is suitable for the objectives of this project. A summary of the findings of the DUSRs is included in **Appendix E** along with the resume of the preparer of the DUSRs.

DUSRs were not prepared by HydroTech for the data included in the NYSDEC-approved RIWP and Category B analytical data deliverables required to perform a DUSR were not provided in the reports prepared by HydroTech. Therefore, in lieu of a DUSR, GZA completed a data quality review of the sample results provided by HydroTech. These data will not be used as clean endpoint samples but rather the as the basis to inform the delineation sampling locations presented in the NYSDEC-approved RIWP. The data will be used in the conceptual site model to inform the nature and extent of contamination. NYSDEC approved this approach on July 7, 2021.

Electronic Data Deliverables (EDDs) for the data presented collected by GZA have been submitted to NYSDEC. Confirmations of EDD submissions are provided as **Appendix F**.

3.7 INVESTIGATION SUPPORT ACTIVITIES

3.7.1 Equipment Decontamination

Soil coring equipment, including hollow stem augers were cleaned with ambient water and Alconox prior and between soil boring, soil vapor point and monitoring well locations to prevent cross contamination. The following single-use equipment was used for soil, soil vapor and groundwater sample collection:

- Disposable macro core liners and scoops;
- Disposable stainless steel vapor points and tubing; and
- Disposable tubing and bladders.

The stainless-steel bladder pump used for groundwater sampling was decontaminated between monitoring wells. The pump was deconstructed, rinsed using laboratory grade deionized water mixed with Alconox, scrubbed thoroughly, and then rinsed with just deionized water.

3.7.2 Investigation Derived Waste

Investigative derived waste generated during this RI were containerized in 55-gallon drums and staged on the southern end of the Site. One drum was used to containerize soil cuttings and a second drum was used to containerize purge and development water. On December 24th, 2020, ACV Environmental Services, Inc. picked up and transported the drums to Cycle Chem, Inc. of Elizabeth NJ, for disposal as non-hazardous material. A copy of the fully executed facility manifest is provided as **Appendix G**.

Additionally, GZA identified thirteen drums on the Site that are unrelated to investigative work. Contents could not be verified. The off-Site transport and disposal of these drums is being addressed.

3.7.3 Monitoring Well Survey

DPK Consulting, LLC (DPK) of Middlesex, NJ, New York-licensed surveyors, surveyed monitoring well casing elevations and locations using standard surveying techniques. Survey information is provided as **Appendix H**.

4.0 REMEDIAL INVESTIGATION RESULTS

This section includes a comprehensive discussion of the results, including the results of HydroTech's initial investigation and the supplemental investigation completed by GZA and described in **Section 3.0**. The 2014 RIR is attached as **Appendix I**.

4.1 IDENTIFICATION OF STANDARDS, CRITERIA AND GUIDANCE

The following Standards, Criteria, and Guidance were used to evaluate the RI data:

- 6 NYCRR Part 375 - Environmental Remediation Programs (December 14, 2006);
- NYSDEC CP-51 / Soil Cleanup Guidance (October 21, 2010);
- Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under NYSDEC's Part 375 Remedial Programs (January 2021); and
- Divisions of Water Technical and Operational Series (1.1.1) , Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1998 as amended).

The Site is proposed for redevelopment into a multi-family residential property. There is the potential for ground floor commercial land uses, which are being considered during redevelopment. The specific redevelopment plan has not been finalized. To be consistent with these potential redevelopment strategies, soil analytical results are compared UUSCOs, RRSCOs, and Commercial Use Soil Cleanup Objectives (CSCOs) contained in 6 NYCRR Part 375 Environmental Remediation Programs and Supplemental SCOs (SSCOS) contained in NYSDEC CP-51 / Soil Cleanup Guidance. Additionally, soil analytical results for PFAS compounds were compared to the guidance values set by the NYSDEC's Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under NYSDEC's Part 375 Remedial Programs.

New York State does not have standards, criteria, or guidance values for VOCs in soil vapor.

Groundwater analytical results were compared to the standards and guidance values for Class GA waters contained in Divisions of Water Technical and Operational Series (1.1.1) , Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. PFAS concentrations within groundwater samples were compared to the guidance values set by the NYSDEC's Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under NYSDEC's Part 375 Remedial Programs.

4.2 SUBSURFACE CONDITIONS

Urban fill composed of brown medium sand with some medium gravel and cinders was identified throughout the Site between 0 to 8 ft bgs. Native brown to gray silty sand was identified below the fill layer throughout the Site between 8 and 15 ft bgs. Localized one- to two-foot lenses of dark brown silt, white fine sand, or medium sand were identified beneath the fill layer and above the silty sand layer in portions of the Site. A clay layer was observed beneath the silty sand between 9 and 15 ft bgs. Bedrock was not encountered. **Figure 3** depicts a geologic cross section of the Site.

Elevated PID readings between 3 and 11.8 ppm were detected in borings MW-2a and SP-8 between at 7 to 8 ft bgs. Sulfur-like odors were detected at this location. No anomalies resembling active utilities or USTs were identified during the geophysical survey. A geophysical anomaly resembling a potential former foundation was identified near the south/southeastern property boundary.

4.3 SOIL SAMPLE ANALYTICAL RESULTS

Soil sample analytical results are provided in **Table 2** and on **Figure 5**. The laboratory reports are provided in **Appendix J.**

4.3.1 Volatile Organic Compounds

VOCs exceeded UUSCOs in one sample:

- SP-8 (9 to 9.5 ft bgs): 0.11 mg/kg acetone.

Acetone is a common laboratory contaminant. Concentrations of acetone in soils across the site ranged from non-detect (ND) to 0.11 mg/kg, exceeding the UUSCO criteria of 0.05 mg/kg but below the RRSCO of 100 mg/kg.

4.3.2 Semi-volatile Organic Compounds

SVOCs, specifically PAHs, exceeded UUSCOs and/or RRSCOs in shallow samples across the site. Concentration ranges of PAHs in soils that exceeded the UUSCOs, RRSCOs, and/or CSCOs are presented in the table below.

Contaminant of Concern	**Concentration Range**	**UUSCO**	**RRSCO**	**CSCO**
benzo(a)anthracene	ND – 7.47	1	1	5.6
benzo(a)pyrene	ND – 5.16	1	1	1
benzo(b)fluoranthene	ND – 5.70	1	1	5.6
benzo(k)fluoranthene	ND – 5.07	0.8	3.9	56
chrysene	ND – 5.66	1	3.9	56
dibenzo(a,h)anthracene	ND – 0.95	0.33	0.33	0.56
indeno(1,2,3-cd) pyrene	ND – 2.20	0.5	0.5	5.6

Note: concentrations presented in mg/kg.

Specific sample exceedances of USCOs, RRSCOs, and/or CSCOs included:

- SP-1 (0 to 2 ft bgs): 7.47 mg/kg benzo(a)anthracene, 5.16 mg/kg benzo(a)pyrene, 5.70 mg/kg benzo(b)fluoranthene, 5.07 mg/kg benzo(k)fluoranthene, 5.66 mg/kg chrysene, 0.95 mg/kg dibenzo(a,h)anthracene and 2.20 mg/kg indeno(1,2,3-cd) pyrene.
- SP-4 (0 to 2 ft bgs): 1.07 mg/kg benzo(a)anthracene.
- SP-6 (0 to 2 ft bgs): 3.63 mg/kg benzo(a)anthracene, 2.84 mg/kg benzo(a)pyrene, 2.39 mg/kg benzo(b)fluoranthene, 2.39 mg/kg benzo(k)fluoranthene and 1.43 mg/kg indeno(1,2,3-cd) pyrene.
- SP-9 (0 to 2 ft bgs): 1.1 mg/kg chrysene and 0.91 mg/kg indeno(1,2,3-cd)pyrene.
- SP-10 (0 to 2 ft bgs): 2.6 mg/kg benzo(a)anthracene, 2.8 mg/kg benzo(a)pyrene, 3.6 mg/kg benzo(b)fluoranthene, 1.2 mg/kg benzo(k)fluoranthene, 0.44 mg/kg dibenzo(a,h)anthracene, 2.6 mg/kg chrysene and 1.8 mg/kg indeno(1,2,3-cd)pyrene.
- MW-2a (0 to 2 ft bgs): 2.1 mg/kg benzo(a)pyrene, and 1 mg/kg indeno(1,2,3-cd) pyrene.

At least one PAH compound exceeded the CSCOs in these samples, except for in sample SP-10 (0 to 2 ft bgs). SVOCs did not exceed UUSCOs in samples collected from below two ft bgs.

4.3.3 Polychlorinated Biphenyls

PCBs were not detected at concentrations greater than the UUSCOs in any of the soil samples collected. Concentrations of PCBs in soils across the site ranged from ND to 0.086 mg/kg, below the UUSCO criteria of 0.1 mg/kg.

4.3.4 Pesticides/Herbicides

Pesticides/herbicides were not detected at concentrations greater than the UUSCOs in any of the soil samples collected. Concentrations of Pesticides/herbicides in soils across the site ranged from ND to 0.0941 mg/kg, below the UUSCO criteria of 0.1 mg/kg.

4.3.5 Metals

Metals (arsenic, barium, copper, lead, mercury, silver and/or zinc) exceeded UUSCOs in shallow and intermediate samples across the Site, except at locations SP-6 and MW-2a. These metals, except for copper, silver, and zinc, also exceeded RRSCOs. Arsenic, barium, cadmium, lead also exceeded CSCOs. Concentration ranges of metals in soils across the site that exceeded the UUSCOs, RRSCOs, and/or CSCOs are presented in the table below.

Contaminant of Concern	Concentration Range	UUSCO	RRSCO	CSCO
arsenic	ND – 25.80	13	16	16
barium	24.3 – 468	350	400	400
cadmium	ND – 11.80	2.5	4.3	9.3
copper	4.73 – 199	50	270	270
lead	8.54 – 1,260	63	400	1,000
mercury	ND – 7.28	0.18	0.81	2.8
silver	ND – 4.41	2	180	1,500
zinc	19 – 587	10	10,000	10,000

Note: concentrations presented in mg/kg.

Specific sample exceedances of UUSCOs included:

- SP-1 (0 to 2 ft bgs): 86.70 mg/kg lead and 123 mg/kg zinc.
- SP-1 (6-8 ft bgs): 11.80 mg/kg cadmium and 441 mg/kg lead.
- SP-2 (0 to 2 ft bgs): 65.10 mg/kg copper, 417 mg/kg lead, and 230 mg/kg zinc.
- SP-2 (6 to 8 ft bgs): 66.70 mg/kg copper, 900 mg/kg lead, and 187 mg/kg zinc.
- SP-3 (0 to 2 ft bgs): 121 mg/kg lead.
- SP-3 (6 to 8 ft bgs): 188 mg/kg copper, 141 mg/kg lead, and 181 mg/kg zinc.
- SP-4 (0 to 2 ft bgs): 25.80 mg/kg arsenic, 140 mg/kg lead, and 140 mg/kg zinc.
- SP-4 (6 to 8 ft bgs): 51.40 mg/kg copper and 230 mg/kg lead.
- SP-5 (0 to 2 ft bgs): 23.10 mg/kg arsenic, 468 mg/kg barium, 208 mg/kg lead, and 234 mg/kg zinc.
- SP-7 (0 to 2 ft bgs): 7.28 mg/kg mercury and 4.41 mg/kg silver.
- SP-7 (8 to 8.5 ft): 77.1 mg/kg lead and 1.46 mg/kg mercury.
- SP-8 (0 to 2 ft bgs): 124 mg/kg lead and 182 mg/kg zinc.
- SP-8 (7 to 7.5 ft bgs): 179 mg/kg lead and 3.42 mg/kg mercury.
- SP-9 (0 to 2 ft bgs): 87.6 mg/kg copper, 183 mg/kg lead, 0.415 mg/kg mercury, and 587 mg/kg zinc.
- SP-9 (6.5 to 7 ft bgs): 169 mg/kg lead, 0.78 mg/kg mercury, and 181 mg/kg zinc.
- SP-10 (0 to 2 ft bgs): 13.4 mg/kg arsenic, 144 mg/kg lead, and 116 mg/kg zinc.
- SP-10 (7.5 to 8 ft bgs): 0.362 mg/kg mercury

Specific sample exceedances of RRSCO included:

- SP-1 (6-8 ft bgs): 11.80 mg/kg cadmium and 441 mg/kg lead.
- SP-2 (0 to 2 ft bgs): 417 mg/kg lead.
- SP-2 (6 to 8 ft bgs): 900 mg/kg lead.
- SP-4 (0 to 2 ft bgs): 25.80 mg/kg arsenic.
- SP-5 (0 to 2 ft bgs): 23.10 mg/kg arsenic and 468 mg/kg barium.

Select metals also exceeded CSCOs at five locations:

- SP-1 (6 to 8 ft bgs): 11.80 mg/kg cadmium.
- SP-4 (0 to 2 ft bgs): 25.80 mg/kg arsenic.
- SP-5 (0 to 2 ft bgs): 23.10 mg/kg arsenic and 468 mg/kg barium.
- SP-7 (0 to 2 ft bgs): 7.28 mg/kg mercury.
- SP-7 (8 to 8.5 ft): 1.46 mg/kg mercury.

4.3.6 Polyfluoroalkyl substances

PFAS were not detected at concentrations greater than the guidance values in any of the soil samples collected.

4.4 SOIL VAPOR ANALYTICAL RESULTS

New York State does not have standards, criteria, or guidance values for VOCs in soil vapor.

The VOCs detected in soil vapor samples include:

- Petroleum related compounds: 1,2-butanone, 1,2,4-trichlorobenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbezene, 1,3-dichlorobenzene, 2,2,4-trimethylpentane, 4-ethyltoluene, 4-methyl-2-pentanone, chlorobenzene, cyclohexane, ethylbenzene, n-heptane, n-hexane, o-xylene, p&m xylene, tert-butyl-alcohol, tetrahydrofuran, and toluene.
- Chlorinated solvent compounds: 1,1-dichloroethane, cis-1,2-dichloroethene, chloroform, methylene chloride, trichloroethene (TCE) and PCE.
- Non-chlorinated solvent compounds: Acetone.

The soil vapor sample analytical results are provided in **Table 3** and on **Figure 6.** The laboratory reports are provided in **Appendix K**.

4.5 GROUNDWATER SAMPLE ANALYTICAL RESULTS

Groundwater sample analytical results are provided in **Table 4** and on **Figure 7**. The laboratory reports are provided in **Appendix L.**

4.5.1 Volatile Organic Compounds

PCE exceeded the GWQS at locations MW-4 and MW-4a in the northern portion of the Site with concentrations ranging from 14 to 19 µg/L. Methylene chloride was the only other VOC detected above GWQS (at location MW-4). Methylene chloride is a common laboratory contaminant. Methylene chloride was not detected in the laboratory method blank; however, methylene chloride was also not detected in the groundwater sample collected from monitoring well MW-4a (adjacent to monitoring well MW-4).

4.5.2 Semi-volatile Organic Compounds

SVOCs, mostly PAHs, exceeded GWQS at four locations across the Site. Concentration ranges of SVOCs in groundwater across the site that exceeded the GWQS are presented in the table below.

Contaminant of Concern	**Concentration Range**	**GWQS**
benzo(a)pyrene	ND – 0.03	0
benzo(b)fluoranthene	ND – 0.03	0.002
benzo(k)fluoranthene	ND – 0.02	0.002
bis(2-ethylhexyl)phthalate	ND – 50.10	5
chrysene	ND – 0.01	0.002
indeno(1,2,3-cd) pyrene	ND – 0.02	0.002
phenol	ND – 10	1

Note: concentrations presented in µg/L.

Specific sample exceedances included:

- MW-1a: 0.02 µg/L benzo(b)fluoranthene and 0.01 µg/L chrysene.
- MW-3: 50.10 µg/L bis(2-ethylhexyl)phthalate.
- MW-3a: 0.02 ug/L benzo(a)pyrene, 0.01 µg/L benzo(b)fluoranthene, 0.01 µg/L benzo(k)fluoranthene, and 0.02 µg/L indeno(1,2,3-cd)pyrene.
- MW-4a: 0.03 µg/L benzo(a)pyrene, 0.03 µg/L benzo(b)fluoranthene, 0.02 µg/L benzo(k)fluoranthene and 0.02 µg/L indeno(1,2,3-cd)pyrene, and 10 µg/L phenol.

4.5.3 Polychlorinated Biphenyls

PCBs were not detected at concentrations greater than the GWQS in the groundwater samples collected.

4.5.4 Pesticides/Herbicides

Pesticides/herbicides were not detected at concentrations greater than the GWQS in the groundwater samples collected.

4.5.5 Metals

Metals exceeded GWQS in monitoring wells across the Site. Concentration ranges of metals in groundwater across the site that exceeded the GWQS are presented in the table below.

Contaminant of Concern	Concentration Range	GWQS
iron	52.1 – 9,000	300
lead	ND – 92	25
manganese	9.27 – 1,470	300
magnesium	490 – 96,600	35,000
selenium	ND – 25.8	10
sodium	7,960 – 169,000	20,000

Note: concentrations presented in µg/L.

Specific sample exceedances included:

- MW-1: 807 µg/L manganese and 1,910 µg/L iron.
- MW-1a: 29.34 µg/L lead, 309.9 µg/L manganese, 25.8 µg/L selenium, and 56,100 µg/L sodium.
- MW-2: 9,000 µg/L iron, 92 µg/L lead, 1,470 µg/L manganese, and 10 µg/L selenium.
- MW-2a: 629.5 µg/L manganese.
- MW-3: 544 µg/L iron, 96,600 µg/L magnesium, 614 µg/L manganese, 37 µg/L selenium and 31,400 µg/L sodium.
- MW-3a: 12.6 µg/L selenium.
- MW-4a: 169,000 µg/L sodium.

4.5.6 Polyfluoroalkyl substances

PFAS compounds exceeded the guidance values in five groundwater samples. Total PFAS, including perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS), exceeded the guidance value of 500 ng/L in one groundwater sample, MW-3a. Concentration ranges of PFAS compounds in groundwater across the Site that exceeded the guidance values are presented in the table below.

Contaminant of Concern	Concentration Range	Guidance Value
Perfluorobutanoic Acid (PFBA)	3.64-186	100
Perfluoroheptanoic Acid (PFHpA)	8.2-285	100
Perfluorohexanoic Acid (PFHxA)	4.31-427	100
PFOS	5.22 – 135	10
PFOA	25.7 – 199	10
Perfluoropentanoic Acid (PFPeA)	3.5 – 692	100
Total PFAS (including PFOA & PFOS)	112.13 – 1,896.05	500

Note: concentrations presented in ng/L.

Specific sample exceedances included:

- MW-1a: 72.9 ng/L PFOA.
- MW-2a: 69.2 ng/L PFOA.
- MW-3a: 186 ng/L PFBA, 285 ng/L PFHpA, 83.3 ng/L PFOS, 199 ng/L PFOA, 692 ng/L PFPeA, and 1,896.05 ng/L for total PFAS.
- MW-4a: 135 ng/L PFOA and 148 ng/L PFOS.
- MW-5: 103 µg/L PFOA and 26.7 ng/L PFOS.

5.0 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT

A Qualitative Human Health Exposure Assessment (QHHEA) for the Site has been prepared and is presented in the following subsections. The QHHEA characterizes the exposure setting, identifies potentially complete exposure pathways, and qualitatively evaluates potential fate and transport of constituents from one medium to another (i.e., soil-to-air or soil-to-groundwater).

5.1 CURRENT CONDITIONS

The Site is located at 100 Union Avenue, in Brooklyn, NY (Block 2242, Lot 3). The Site is currently vacant and consists of approximately 10,566-square ft bounded by Middleton Street to the north, a small parking area (Lot 2) and multi-story residential building (Lot 1) to the south/southeast, Union Avenue to the west, and a NYCT substation (Lot 57) and multi-story residential buildings (Lots 15 and 7502) to the east. The surface cover at the Site is primarily concrete with patches of vegetation throughout.

5.2 CONCEPTUAL SITE MODEL

A conceptual site model has been developed based on the findings of the subsurface investigations described in **Section 4.0** and from the anticipated future use of the Site.

5.2.1 Potential Sources of Contamination

Contaminants of concern (COCs) at the Site include:

- PAHs and metals in shallow soil;
- Petroleum related, chlorinated solvent, and non-chlorinated solvent compounds in soil vapor; and
- PCE, PAHs, phenol, metals, and PFAS in groundwater.

5.2.2 Potential Exposure During Remedial and Construction Activities

Exposure pathways during remediation and construction activities include the disturbance and exposure of contaminated soil during excavation, dust and organic vapors generated during excavation, and contaminated groundwater that may be encountered during excavation and/or dewatering operations. Routes of exposure include absorption through dermal

contact, ingestion and inhalation of soil, soil vapor, or groundwater by construction workers or environmental professional personnel. The receptor population includes construction workers, environmental professional personnel, and to a lesser extent, the public community adjacent to the Site. During remediation and construction activities, the potential for completed exposure pathways is present since all five elements of exposure will exist during these operations; however, the risks can be avoided or minimized by following appropriate health and safety measures during remediation and construction. These measures include, but are not limited to, air monitoring for organic vapors and dust, using vapor and dust suppression measures, covering soil stockpiles, cleaning truck undercarriages and equipment prior to leaving Site to prevent tracking contaminants off-Site, maintaining Site security, and wearing the appropriate personal protective equipment (PPE).

For future construction, remedial, and maintenance activities, a Site-specific Health and Safety Plan (HASP) and a Community Air Monitoring Plan (CAMP) will be applied and strictly followed during such activities to prevent and minimize any of the above-mentioned potential exposures to Site contaminants.

5.2.3 Proposed Future Conditions

The Site is currently proposed to be utilized by the Volunteer for residential development. Residual contaminants may remain on-Site, depending on the final remedy. Contaminant release and transport mechanisms include volatilization of contaminants from the soil or groundwater matrix to the soil vapor phase. If institutional and/or engineering controls are not implemented at the Site post-development, potential cracks in the foundation or lower-level slab of the proposed development could result in exposure to VOCs in soil vapor, as well as any future disturbances to the soil during development/construction activities at the Site. Soil vapor routes of exposure may include inhalation of vapors entering the proposed building structure, resulting in harmful exposure to building tenants, workers, employees and/or visitors. Potential routes of exposure can be avoided or mitigated by the proper installation of soil vapor mitigation measures, such as a vapor barrier or ventilated parking garage/basement level, construction, and maintenance of a capping system at the Site (i.e., concrete/asphalt or at least two ft of clean soil), and implementation of a Site Management Plan.

5.3 EVALUATION OF HUMAN HEALTH EXPOSURE

Under current conditions, there is a marginal risk for exposure. The primary exposure pathways include dermal contact, ingestion and inhalation of soil, soil vapor, or groundwater by environmental remediation personnel and construction workers during remedial activities and development. The exposure risks can be avoided or minimized by following the appropriate health and safety measures and implementing vapor and dust suppression measures during remedial or construction activities.

In the absence of institutional and engineering controls, there is a moderate risk of exposure during construction and remediation activities. The primary exposure pathways include dermal contact, ingestion and inhalation of contaminated soil, soil vapor, or groundwater by construction workers, environmental remediation personnel, and the public community in the vicinity of the Site. These risks can be avoided or minimized by performing community air monitoring and by following appropriate health and safety, vapor and dust suppression, and Site security measures.

The potential of a complete exposure pathway for Site contaminants to human receptors during proposed future conditions is highly unlikely, as impacted soils will be removed and transported to an off-site disposal facility, and any residual soil remaining will be capped with an impermeable cover or two ft of clean soil. Regional groundwater is not used as a potable water source in New York City so exposure to regional groundwater contaminants is highly unlikely. The potential for groundwater to be exposed during construction may occur and if encountered resulting in required local dewatering, all water pumped from the Site will be handled in accordance with all applicable federal state and local regulations. The potential pathway for soil vapor intrusion into the proposed building development would be addressed

through the implementation of soil vapor mitigation measures such as a vapor barrier and/or a vapor mitigation system, thereby minimizing the risk of exposure to soil vapor.

There is the potential for a complete exposure pathway to exist for the migration of Site contaminants to off-site human receptors during current, remedial/construction phase, or future conditions. Monitoring and control measures would be implemented during remediation and construction to prevent the completion of this pathway. Under future conditions, the Site will be remediated, and engineering controls can be implemented to prevent the completion of this pathway; however, due to the presence of residual Site contamination, the potential for impacted off-site soil vapor will remain after the proposed development.

5.4 POTENTIAL ECOLOGICAL IMPACTS

Based upon the investigations conducted at the Site, it does not appear that a Fish and Wildlife Impact Analysis (FWIA) is necessary. The Site is in an urban area within New York City consisting of commercial and residential areas with minimal to no ecological habitat. The majority of impacted soils on Site will either be remediated or controlled by an institutional or engineering control, thereby reducing the potential for ecological impact due to surface run-off. Additionally, no environmentally sensitive receptors were observed to be in the immediate vicinity of the Site. Therefore, the potential for Site related COCs to migrate to the fish and wildlife resources, if present, is considered minimal.

6.0 NATURE AND EXTENT OF CONTAMINATION

The objective of the remedial investigation was to delineate the nature and extent of contamination in soil, soil vapor and groundwater at the Site. The nature and extent of contamination is discussed below with consideration of the future use of the Site as a multi-family residential property.

PAHs and metals are present at concentrations exceeding RRSCOs in shallow soils across the Site, and in deeper soils to a lesser degree. These compounds are typically associated with historic fill material, such as cinders, which were observed in soils throughout the Site. One sample around the former garage (SP-7 [0 to 2 ft bgs]) did exhibit a lead concentration of 1,260 mg/kg; however, the next highest lead concentration was 183 mg/kg. Lead concentrations across the Site are generally consistent with the concentrations expected to result from historic fill.

Groundwater impacts related to the presence of historic fill are also apparent across the Site. SVOCs (mainly PAHs) and metals are present in groundwater at concentrations greater than the GWQS. Metals detected above GWQS across the Site included iron, magnesium, manganese, and selenium. These compounds are typically associated with fill material or are essential minerals. Lead was detected at a concentration of 29.34 μg/L, slightly above the GWQS of 25 μg/L, in one monitoring well (MW-1a) located in the area of the former garage. This detection of lead in groundwater does not coincide with the location of the elevated lead concentration in soil. Monitoring well MW-4a, co-located with soil boring SP-7 where the elevated lead concentration was detected in soil, had a lead concentration of 3.66 μg/L.

COCs in groundwater also included PCE and PFAS. PCE was detected above the GWQS at concentrations of 14 and 19 μg/L in monitoring wells MW-4a and MW-4, respectively, in the northern (upgradient) portion of the Site. PCE was not detected above GWQS in other monitoring wells on-Site, including the immediately downgradient monitoring well MW-1a. No other VOCs were detected above GWQS (except for methylene chloride in monitoring well MW-4). Total PFAS exceeded the guidance value of 500 ng/L in one groundwater sample, MW-3a. In addition, PFOA, PFOS and PFPeA were detected in groundwater at concentrations exceeding the guidance values, with concentrations generally consistent across they Site. The variability in concentrations across the Site were within a similar range as the variability seen in the duplicate analysis

completed at MW-5, and PFAS were not detected at concentrations greater than the guidance values in any of the soil samples collected. Therefore, these detections do not appear related to a release of PFAS to the environment and may represent urban background conditions in this area or an off-site source.

The results of the soil vapor investigation identified chlorinated and fuel oil compounds present. Chlorinated compounds, such as 1,1-dichloroethane, cis-1,2-dichloroethene, TCE and PCE, were detected across the northern half of the Site. The highest concentrations of TCE and PCE were observed in the northernmost corner of the Site near monitoring wells MW-4 and MW-4a where PCE was detected in groundwater above GWQS. The remaining compounds are primarily fuel oil related and are present throughout the Site. The presence of these compounds may be attributed to the former use of the Site as an autobody shop and a scrapyard.

Overall, the nature and extent of contamination at the Site appears to be consistent with the presence of historic fill material, with the exception of chlorinated VOCs (specifically PCE) present in groundwater and soil vapor in the northern (upgradient) portion of the Site.

7.0 CONCLUSIONS

The data evaluated as part of this RIR are sufficient to delineate the nature and extent of contamination at the Site and evaluate potential remedial actions. A Remedial Action Work Plan (RAWP) will be prepared describing the implementation of remedial actions to address the above findings once a conceptual redevelopment plan is provided by the Client.

8.0 SCHEDULE

A proposed schedule for preparation of the RAWP and implementation of remedial actions at the Site is included as **Appendix K**. This schedule has been prepared based on current knowledge of the Site and the anticipated redevelopment plan and will be periodically updated based on current information and in coordination with NYSDEC. The anticipated dates for NYSDEC approval of documents are dependent on NYSDEC review timeframes.

9.0 REFERENCES

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TABLES

TABLE 1
SAMPLE LOCATIONS AND ANALYSES
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

Location ID	Easting[1]	Northing[1]	Sample Date	Matrix[2]	Sample Depth[3]	Sample ID[4]	Lab ID	Analyses						
								VOCs (Method 8260C)	*SVOCs (Method 8270D)*	*Pesticides (Method 8081)*	*Herbicides (Method 8151A)*	*PCBs (Method 8082)*	*Metals (Method 6010)*	*ECs* [5]
SP-7/MW-4a	998108.94	195590.99	8/26/2020	Soil	0-2	SP-7 (0-2')	L2035276-01	X	X	X	X	X	X	
			8/26/2020	Soil	8-8.5	SP-7 (8-8.5')	L2035276-02	X	X	X	X	X	X	
			9/14/2020	Groundwater	11	MW-4a	L2038282-06	X	X	X	X	X	X	X
SP-8/MW-1a	998129.38	195559.23	8/26/2020	Soil	0-2	SP-8 (0-2')	L2035276-03	X	X	X	X	X	X	
			8/26/2020	Soil	7-7.5	SP-8 (7-7.5')	L2035276-04	X	X	X	X	X	X	
			8/26/2020	Soil	9-9.5	SP-8 (9-9.5')	L2035276-05	X	X	X	X	X	X	
			9/14/2020	Groundwater	12.5	MW-1a	L2038282-05	X	X	X	X	X	X	X
SP-9/MW-5	998093.71	195510.17	8/26/2020	Soil	0-2	SP-9 (0-2')	L2035276-06	X	X	X	X	X	X	
			8/26/2020	Soil	6.5-7	SP-9 (6.5-7.0')	L2035276-07	X	X	X	X	X	X	
			9/14/2020	Groundwater	13	MW-5	L2038282-02	X	X	X	X	X	X	X
			9/14/2020	Groundwater	13	20200914-DUP	L2038282-03	X	X	X	X	X	X	X
SP-10/MW-3a	998126.95	195432.93	8/26/2020	Soil	0-2	SP-10 (0-2')	L2035276-09	X	X	X	X	X	X	
			8/26/2020	Soil	7.5-8	SP-10 (7.5-8')	L2035276-10	X	X	X	X	X	X	
			8/26/2020	Soil	9.5-10	SP-10 (9.5-10')	L2035276-11	X	X	X	X	X	X	X
			8/26/2020	Soil	9.5-10	20200826DUP	L2035276-12	X	X	X	X	X	X	X
			9/14/2020	Groundwater	12	MW-3a	L2038282-01	X	X	X	X	X	X	X
MW-2a	998121.74	195502.16	8/26/2020	Soil	0-2	MW-2a (0-2')	L2035276-08	X	X	X	X	X	X	
			9/14/2020	Groundwater	12	MW-2a (0-2')	L2038282-04	X	X	X	X	X	X	X
SV-5	998124.81	195573.89	8/27/2020	Soil Vapor	6	SV-5	L2035485-01	X						
SV-6	998091.33	195547.68	8/27/2020	Soil Vapor	6	SV-6	L2035485-02	X						
			8/27/2020	Soil Vapor	6	20200827 DUP	L2035485-03	X						
SV-7	998152.93	195542.01	8/27/2020	Soil Vapor	6	SV-7	L2035485-04	X						

Notes:

[1] New York Long Island Plane Coordinate Grid NAD 83.

[2] Soil vapor samples were collected over a period of six hours.

[3] Feet below ground surface.

[4] A trip blank was included every day a groundwater sample for VOC analysis was sent to the laboratory. An equipment blank was collected everyday sample collection equipment was decontaminated by running analyte-free water over a representative piece of all decontaminated equipment.

[5] ECs = emerging contaminants (includes 1,4-dioxane via Method 8260C and PFAS via liquid chromatography tandem mass spectrometry method (LC/MS/MS) with isotope dilution).

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	MW-2A (0-2')				SP-7 (0-2')				SP-7 (8-8.5')					SP-7 (8-8.5')			SP-8 (0-2')				
LAB ID:				L2035276-08				L2035276-01				L2035276-02					L2035276-02 R1			L2035276-03				
COLLECTION DATE:				8/26/2020				8/26/2020				8/26/2020					8/26/2020			8/26/2020				
SAMPLE MATRIX:				SOIL				SOIL				SOIL					SOIL			SOIL				
				Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc
VOLATILE ORGANIC COMPOUNDS																								
1,1,1,2-Tetrachloroethane	NC	NC	NC	0.00067	U	0.00067	0.00018	0.00066	U	0.00066	0.00018	0.00062	U	0.00062	0.00016	-		-	-	0.00048	U	0.00048	0.00013	0.00062
1,1,1-Trichloroethane	500	100	0.68	0.00067	U	0.00067	0.00022	0.00066	U	0.00066	0.00022	0.00062	U	0.00062	0.00021	-		-	-	0.00048	U	0.00048	0.00016	0.00062
1,1,2,2-Tetrachloroethane	NC	NC	NC	0.00067	U	0.00067	0.00022	0.00066	U	0.00066	0.00022	0.00062	U	0.00062	0.0002	-		-	-	0.00048	U	0.00048	0.00016	0.00062
1,1,2-Trichloroethane	NC	NC	NC	0.0013	U	0.0013	0.00036	0.0013	U	0.0013	0.00036	0.0012	U	0.0012	0.00033	-		-	-	0.00096	U	0.00096	0.00026	0.0012
1,1-Dichloroethane	240	26	0.27	0.0013	U	0.0013	0.00019	0.0013	U	0.0013	0.00019	0.0012	U	0.0012	0.00018	-		-	-	0.00096	U	0.00096	0.00014	0.0012
1,1-Dichloroethene	500	100	0.33	0.0013	U	0.0013	0.00032	0.0013	U	0.0013	0.00032	0.0012	R	0.0012	0.00029	-		-	-	0.00096	U	0.00096	0.00023	0.0012
1,1-Dichloropropene	NC	NC	NC	0.00067	U	0.00067	0.00021	0.00066	U	0.00066	0.00021	0.00062	U	0.00062	0.0002	-		-	-	0.00048	U	0.00048	0.00015	0.00062
1,2,3-Trichlorobenzene	NC	NC	NC	0.0027	U	0.0027	0.00043	0.0027	U	0.0027	0.00043	0.0025	U	0.0025	0.0004	-		-	-	0.0019	U	0.0019	0.00031	0.0025
1,2,3-Trichloropropane	NC	NC	NC	0.0027	U	0.0027	0.00017	0.0027	U	0.0027	0.00017	0.0025	U	0.0025	0.00016	-		-	-	0.0019	U	0.0019	0.00012	0.0025
1,2,4,5-Tetramethylbenzene	NC	NC	NC	0.0027	U	0.0027	0.00025	0.0027	U	0.0027	0.00025	0.0025	U	0.0025	0.00024	-		-	-	0.0019	U	0.0019	0.00018	0.0025
1,2,4-Trichlorobenzene	NC	NC	NC	0.0027	U	0.0027	0.00036	0.0027	U	0.0027	0.00036	0.0025	U	0.0025	0.00034	-		-	-	0.0019	U	0.0019	0.00026	0.0025
1,2,4-Trimethylbenzene	190	52	3.6	0.0027	U	0.0027	0.00044	0.0027	U	0.0027	0.00044	0.0025	U	0.0025	0.00041	-		-	-	0.0019	U	0.0019	0.00032	0.0025
1,2-Dibromo-3-chloropropane	NC	NC	NC	0.004	U	0.004	0.0013	0.004	U	0.004	0.0013	0.0037	U	0.0037	0.0012	-		-	-	0.0029	U	0.0029	0.00096	0.0037
1,2-Dibromoethane	NC	NC	NC	0.0013	U	0.0013	0.00037	0.0013	U	0.0013	0.00037	0.0012	U	0.0012	0.00034	-		-	-	0.00096	U	0.00096	0.00027	0.0012
1,2-Dichlorobenzene	500	100	1.1	0.0027	U	0.0027	0.00019	0.0027	U	0.0027	0.00019	0.0025	U	0.0025	0.00018	-		-	-	0.0019	U	0.0019	0.00014	0.0025
1,2-Dichloroethane	30	3.1	0.02	0.0013	U	0.0013	0.00034	0.0013	U	0.0013	0.00034	0.0012	U	0.0012	0.00032	-		-	-	0.00096	U	0.00096	0.00025	0.0012
1,2-Dichloroethene, Total	NC	NC	NC	0.0013	U	0.0013	0.00018	0.0013	U	0.0013	0.00018	0.0012	U	0.0012	0.00017	-		-	-	0.00096	U	0.00096	0.00013	0.0012
1,2-Dichloropropane	NC	NC	NC	0.0013	U	0.0013	0.00017	0.0013	U	0.0013	0.00017	0.0012	U	0.0012	0.00015	-		-	-	0.00096	U	0.00096	0.00012	0.0012
1,3,5-Trimethylbenzene	190	52	8.4	0.0027	U	0.0027	0.00026	0.0027	U	0.0027	0.00026	0.0025	U	0.0025	0.00024	-		-	-	0.0019	U	0.0019	0.00018	0.0025
1,3-Dichlorobenzene	280	49	2.4	0.0027	U	0.0027	0.0002	0.0027	U	0.0027	0.0002	0.0025	U	0.0025	0.00018	-		-	-	0.0019	U	0.0019	0.00014	0.0025
1,3-Dichloropropane	NC	NC	NC	0.0027	U	0.0027	0.00022	0.0027	U	0.0027	0.00022	0.0025	U	0.0025	0.00021	-		-	-	0.0019	U	0.0019	0.00016	0.0025
1,3-Dichloropropene, Total	NC	NC	NC	0.00067	U	0.00067	0.00021	0.00066	U	0.00066	0.00021	0.00062	U	0.00062	0.00019	-		-	-	0.00048	U	0.00048	0.00015	0.00062
1,4-Dichlorobenzene	130	13	1.8	0.0027	U	0.0027	0.00023	0.0027	U	0.0027	0.00023	0.0025	U	0.0025	0.00021	-		-	-	0.0019	U	0.0019	0.00016	0.0025
1,4-Dioxane	130	13	0.1	*0.11*	*U*	*0.11*	*0.047*	*0.11*	*U*	*0.11*	*0.047*	0.099	R	0.099	0.043	-		-	-	0.077	U	0.077	0.034	*0.1*
2,2-Dichloropropane	NC	NC	NC	0.0027	U	0.0027	0.00027	0.0027	U	0.0027	0.00027	0.0025	U	0.0025	0.00025	-		-	-	0.0019	U	0.0019	0.00019	0.0025
2-Butanone	500	100	0.12	0.013	U	0.013	0.003	0.0035	J	0.013	0.003	0.0081	J	0.012	0.0027	-		-	-	0.0096	U	0.0096	0.0021	0.012
2-Hexanone	NC	NC	NC	0.013	U	0.013	0.0016	0.013	U	0.013	0.0016	0.012	U	0.012	0.0014	-		-	-	0.0096	U	0.0096	0.0011	0.012
4-Methyl-2-pentanone	NC	NC	NC	0.013	U	0.013	0.0017	0.013	U	0.013	0.0017	0.012	U	0.012	0.0016	-		-	-	0.0096	U	0.0096	0.0012	0.012
Acetone	500	100	0.05	0.013	U	0.013	0.0064	0.029		0.013	0.0064	0.043		0.012	0.0059	-		-	-	0.0096	U	0.0096	0.0046	0.011
Acrylonitrile	NC	NC	NC	0.0053	U	0.0053	0.0015	0.0053	U	0.0053	0.0015	0.0049	U	0.0049	0.0014	-		-	-	0.0038	U	0.0038	0.0011	0.005
Benzene	44	4.8	0.06	0.00067	U	0.00067	0.00022	0.0013		0.00066	0.00022	0.00062	U	0.00062	0.0002	-		-	-	0.00048	U	0.00048	0.00016	0.00062
Bromobenzene	NC	NC	NC	0.0027	U	0.0027	0.00019	0.0027	U	0.0027	0.00019	0.0025	U	0.0025	0.00018	-		-	-	0.0019	U	0.0019	0.00014	0.0025
Bromochloromethane	NC	NC	NC	0.0027	U	0.0027	0.00027	0.0027	U	0.0027	0.00027	0.0025	U	0.0025	0.00025	-		-	-	0.0019	U	0.0019	0.0002	0.0025
Bromodichloromethane	NC	NC	NC	0.00067	U	0.00067	0.00014	0.00066	U	0.00066	0.00014	0.00062	U	0.00062	0.00013	-		-	-	0.00048	U	0.00048	0.0001	0.00062
Bromoform	NC	NC	NC	0.0053	U	0.0053	0.00033	0.0053	U	0.0053	0.00033	0.0049	U	0.0049	0.0003	-		-	-	0.0038	U	0.0038	0.00024	0.005
Bromomethane	NC	NC	NC	0.0027	U	0.0027	0.00077	0.0027	U	0.0027	0.00077	0.0025	U	0.0025	0.00072	-		-	-	0.0019	U	0.0019	0.00056	0.0025
Carbon disulfide	NC	NC	NC	0.013	U	0.013	0.0061	0.013	U	0.013	0.0061	0.012	UJ	0.012	0.0056	-		-	-	0.0096	U	0.0096	0.0044	0.012
Carbon tetrachloride	22	2.4	0.76	0.0013	U	0.0013	0.00031	0.0013	U	0.0013	0.00031	0.0012	U	0.0012	0.00028	-		-	-	0.00096	U	0.00096	0.00022	0.0012
Chlorobenzene	500	100	1.1	0.00067	U	0.00067	0.00017	0.00066	U	0.00066	0.00017	0.00062	U	0.00062	0.00016	-		-	-	0.00048	U	0.00048	0.00012	0.00062
Chloroethane	NC	NC	NC	0.0027	U	0.0027	0.0006	0.0027	U	0.0027	0.0006	0.0025	U	0.0025	0.00056	-		-	-	0.0019	U	0.0019	0.00043	0.0025

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	MW-2A (0-2')				SP-7 (0-2')				SP-7 (8-8.5')					SP-7 (8-8.5')			SP-8 (0-2')				
LAB ID:				L2035276-08				L2035276-01				L2035276-02					L2035276-02 R1			L2035276-03				
COLLECTION DATE:				8/26/2020				8/26/2020				8/26/2020					8/26/2020			8/26/2020				
SAMPLE MATRIX:				SOIL				SOIL				SOIL					SOIL			SOIL				
				Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc
Chloroform	350	49	0.37	0.002	U	0.002	0.00019	0.002	U	0.002	0.00019	0.0018	U	0.0018	0.00017	-		-	-	0.0014	U	0.0014	0.00013	0.0019
Chloromethane	NC	NC	NC	0.0053	U	0.0053	0.0012	0.0053	U	0.0053	0.0012	0.0049	U	0.0049	0.0011	-		-	-	0.0038	U	0.0038	0.00089	0.005
cis-1,2-Dichloroethene	500	100	0.25	0.0013	U	0.0013	0.00023	0.0013	U	0.0013	0.00023	0.0012	U	0.0012	0.00022	-		-	-	0.00096	U	0.00096	0.00017	0.0012
cis-1,3-Dichloropropene	NC	NC	NC	0.00067	U	0.00067	0.00021	0.00066	U	0.00066	0.00021	0.00062	U	0.00062	0.00019	-		-	-	0.00048	U	0.00048	0.00015	0.00062
Dibromochloromethane	NC	NC	NC	0.0013	U	0.0013	0.00019	0.0013	U	0.0013	0.00019	0.0012	U	0.0012	0.00017	-		-	-	0.00096	U	0.00096	0.00013	0.0012
Dibromomethane	NC	NC	NC	0.0027	U	0.0027	0.00032	0.0027	U	0.0027	0.00032	0.0025	U	0.0025	0.00029	-		-	-	0.0019	U	0.0019	0.00023	0.0025
Dichlorodifluoromethane	NC	NC	NC	0.013	U	0.013	0.0012	0.013	U	0.013	0.0012	0.012	U	0.012	0.0011	-		-	-	0.0096	U	0.0096	0.00088	0.012
Ethyl ether	NC	NC	NC	0.0027	U	0.0027	0.00045	0.0027	U	0.0027	0.00045	0.0025	U	0.0025	0.00042	-		-	-	0.0019	U	0.0019	0.00033	0.0025
Ethylbenzene	390	41	1	0.0013	U	0.0013	0.00019	0.0013	U	0.0013	0.00019	0.0012	U	0.0012	0.00017	-		-	-	0.00096	U	0.00096	0.00014	0.0012
Hexachlorobutadiene	NC	NC	NC	0.0053	U	0.0053	0.00022	0.0053	U	0.0053	0.00022	0.0049	U	0.0049	0.00021	-		-	-	0.0038	U	0.0038	0.00016	0.005
Isopropylbenzene	NC	NC	NC	0.0013	U	0.0013	0.00014	0.0013	U	0.0013	0.00014	0.0012	U	0.0012	0.00013	-		-	-	0.00096	U	0.00096	0.0001	0.0012
Methyl tert butyl ether	500	100	0.93	0.0027	U	0.0027	0.00027	0.0027	U	0.0027	0.00027	0.0025	U	0.0025	0.00025	-		-	-	0.0019	U	0.0019	0.00019	0.0025
Methylene chloride	500	100	0.05	0.0067	U	0.0067	0.003	0.0066	U	0.0066	0.003	0.0062	U	0.0062	0.0028	-		-	-	0.0048	U	0.0048	0.0022	0.0062
n-Butylbenzene	500	100	12	0.0013	U	0.0013	0.00022	0.0013	U	0.0013	0.00022	0.0012	U	0.0012	0.00021	-		-	-	0.00096	U	0.00096	0.00016	0.0012
n-Propylbenzene	500	100	3.9	0.0013	U	0.0013	0.00023	0.0013	U	0.0013	0.00023	0.0012	U	0.0012	0.00021	-		-	-	0.00096	U	0.00096	0.00016	0.0012
Naphthalene	500	100	12	0.0053	U	0.0053	0.00087	0.0053	U	0.0053	0.00086	0.0049	U	0.0049	0.0008	-		-	-	0.0038	U	0.0038	0.00062	0.005
o-Chlorotoluene	NC	NC	NC	0.0027	U	0.0027	0.00025	0.0027	U	0.0027	0.00025	0.0025	U	0.0025	0.00024	-		-	-	0.0019	U	0.0019	0.00018	0.0025
o-Xylene	NC	NC	NC	0.0013	U	0.0013	0.00039	0.0013	U	0.0013	0.00039	0.0012	U	0.0012	0.00036	-		-	-	0.00096	U	0.00096	0.00028	0.0012
p-Chlorotoluene	NC	NC	NC	0.0027	U	0.0027	0.00014	0.0027	U	0.0027	0.00014	0.0025	U	0.0025	0.00013	-		-	-	0.0019	U	0.0019	0.0001	0.0025
p-Diethylbenzene	NC	NC	NC	0.0027	U	0.0027	0.00024	0.0027	U	0.0027	0.00024	0.0025	U	0.0025	0.00022	-		-	-	0.0019	U	0.0019	0.00017	0.0025
p-Ethyltoluene	NC	NC	NC	0.0027	U	0.0027	0.00051	0.0027	U	0.0027	0.00051	0.0025	U	0.0025	0.00047	-		-	-	0.0019	U	0.0019	0.00037	0.0025
p-Isopropyltoluene	NC	NC	NC	0.0013	U	0.0013	0.00014	0.0013	U	0.0013	0.00014	0.0012	U	0.0012	0.00013	-		-	-	0.00096	U	0.00096	0.0001	0.0012
p/m-Xylene	NC	NC	NC	0.0027	U	0.0027	0.00075	0.0027	U	0.0027	0.00074	0.0025	U	0.0025	0.00069	-		-	-	0.0019	U	0.0019	0.00054	0.0025
sec-Butylbenzene	500	100	11	0.0013	U	0.0013	0.00019	0.0013	U	0.0013	0.00019	0.0012	U	0.0012	0.00018	-		-	-	0.00096	U	0.00096	0.00014	0.0012
Styrene	NC	NC	NC	0.0013	U	0.0013	0.00026	0.0013	U	0.0013	0.00026	0.0012	U	0.0012	0.00024	-		-	-	0.00096	U	0.00096	0.00019	0.0012
tert-Butylbenzene	500	100	5.9	0.0027	U	0.0027	0.00016	0.0027	U	0.0027	0.00016	0.0025	U	0.0025	0.00014	-		-	-	0.0019	U	0.0019	0.00011	0.0025
Tetrachloroethene	150	19	1.3	0.00067	U	0.00067	0.00026	0.011		0.00066	0.00026	0.0056		0.00062	0.00024	-		-	-	0.00063		0.00048	0.00019	0.0032
Toluene	500	100	0.7	0.0013	U	0.0013	0.00072	0.0013	U	0.0013	0.00072	0.0012	U	0.0012	0.00067	-		-	-	0.00096	U	0.00096	0.00052	0.0012
trans-1,2-Dichloroethene	500	100	0.19	0.002	U	0.002	0.00018	0.002	U	0.002	0.00018	0.0018	U	0.0018	0.00017	-		-	-	0.0014	U	0.0014	0.00013	0.0019
trans-1,3-Dichloropropene	NC	NC	NC	0.0013	U	0.0013	0.00036	0.0013	U	0.0013	0.00036	0.0012	U	0.0012	0.00034	-		-	-	0.00096	U	0.00096	0.00026	0.0012
trans-1,4-Dichloro-2-butene	NC	NC	NC	0.0067	U	0.0067	0.0019	0.0066	U	0.0066	0.0019	0.0062	U	0.0062	0.0018	-		-	-	0.0048	U	0.0048	0.0014	0.0062
Trichloroethene	200	21	0.47	0.00067	U	0.00067	0.00018	0.00066	U	0.00066	0.00018	0.00027	J	0.00062	0.00017	-		-	-	0.00048	U	0.00048	0.00013	0.00062
Trichlorofluoromethane	NC	NC	NC	0.0053	U	0.0053	0.00093	0.0053	U	0.0053	0.00092	0.0049	U	0.0049	0.00086	-		-	-	0.0038	U	0.0038	0.00067	0.005
Vinyl acetate	NC	NC	NC	0.013	U	0.013	0.0029	0.013	U	0.013	0.0029	0.012	U	0.012	0.0026	-		-	-	0.0096	U	0.0096	0.0021	0.012
Vinyl chloride	13	0.9	0.02	0.0013	U	0.0013	0.00045	0.0013	U	0.0013	0.00045	0.0012	U	0.0012	0.00041	-		-	-	0.00096	U	0.00096	0.00032	0.0012
Xylenes, Total	500	100	0.26	0.0013	U	0.0013	0.00039	0.0013	U	0.0013	0.00039	0.0012	U	0.0012	0.00036	-		-	-	0.00096	U	0.00096	0.00028	0.0012
Total VOCs	NC	NC	NC	-	-	-	-	0.0448	-	-	-	0.05697	-	-	-	-	-	-	-	0.00063	-	-	-	0.0142

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	MW-2A (0-2')				SP-7 (0-2')				SP-7 (8-8.5')					SP-7 (8-8.5')			SP-8 (0-2')				
LAB ID:				L2035276-08				L2035276-01				L2035276-02					L2035276-02 R1			L2035276-03				
COLLECTION DATE:				8/26/2020				8/26/2020				8/26/2020					8/26/2020			8/26/2020				
SAMPLE MATRIX:				SOIL				SOIL				SOIL					SOIL			SOIL				
				Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc
SEMIVOLATILE ORGANIC COMPOUNDS																								
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	0.2	U	0.2	0.021	0.38	U	0.38	0.04	0.2	U	0.2	0.02	0.19	U	0.19	0.02	0.17	U	0.17	0.018	0.18
1,2,4-Trichlorobenzene	NC	NC	NC	0.2	U	0.2	0.023	0.38	U	0.38	0.043	0.2	U	0.2	0.022	0.19	U	0.19	0.022	0.17	U	0.17	0.02	0.18
1,2-Dichlorobenzene	500	100	1.1	0.2	U	0.2	0.036	0.38	U	0.38	0.068	0.2	U	0.2	0.035	0.19	U	0.19	0.035	0.17	U	0.17	0.031	0.18
1,3-Dichlorobenzene	280	49	2.4	0.2	U	0.2	0.035	0.38	U	0.38	0.065	0.2	U	0.2	0.034	0.19	U	0.19	0.033	0.17	U	0.17	0.03	0.18
1,4-Dichlorobenzene	130	13	1.8	0.2	U	0.2	0.036	0.38	U	0.38	0.066	0.2	U	0.2	0.034	0.19	U	0.19	0.034	0.17	U	0.17	0.03	0.18
1,4-Dioxane	130	13	0.1	0.03	U	0.03	0.0094	0.057	U	0.057	0.017	0.029	R	0.029	0.009	0.029	R	0.029	0.0089	0.026	U	0.026	0.008	0.028
2,4,5-Trichlorophenol	NC	NC	NC	0.2	U	0.2	0.039	0.38	U	0.38	0.073	0.2	UJ	0.2	0.037	0.19	UJ	0.19	0.037	0.17	U	0.17	0.033	0.18
2,4,6-Trichlorophenol	NC	NC	NC	0.12	U	0.12	0.039	0.23	U	0.23	0.072	0.12	UJ	0.12	0.037	0.12	UJ	0.12	0.037	0.1	U	0.1	0.033	0.11
2,4-Dichlorophenol	NC	NC	NC	0.18	U	0.18	0.033	0.34	U	0.34	0.061	0.18	U	0.18	0.031	0.17	U	0.17	0.031	0.16	U	0.16	0.028	0.17
2,4-Dimethylphenol	NC	NC	NC	0.2	U	0.2	0.067	0.38	U	0.38	0.12	0.2	U	0.2	0.064	0.19	U	0.19	0.064	0.17	U	0.17	0.057	0.18
2,4-Dinitrophenol	NC	NC	NC	0.98	U	0.98	0.095	1.8	U	1.8	0.18	0.94	UJ	0.94	0.091	0.93	UJ	0.93	0.09	0.83	U	0.83	0.081	0.89
2,4-Dinitrotoluene	NC	NC	NC	0.2	U	0.2	0.041	0.38	U	0.38	0.076	0.2	U	0.2	0.039	0.19	U	0.19	0.039	0.17	U	0.17	0.034	0.18
2,6-Dinitrotoluene	NC	NC	NC	0.2	U	0.2	0.035	0.38	U	0.38	0.065	0.2	U	0.2	0.034	0.19	U	0.19	0.033	0.17	U	0.17	0.03	0.18
2-Chloronaphthalene	NC	NC	NC	0.2	U	0.2	0.02	0.38	U	0.38	0.038	0.2	U	0.2	0.019	0.19	U	0.19	0.019	0.17	U	0.17	0.017	0.18
2-Chlorophenol	NC	NC	NC	0.2	U	0.2	0.024	0.38	U	0.38	0.045	0.2	U	0.2	0.023	0.19	U	0.19	0.023	0.17	U	0.17	0.02	0.18
2-Methylnaphthalene	NC	NC	NC	0.18	J	0.24	0.024	0.46	U	0.46	0.046	0.23	U	0.23	0.024	0.23	U	0.23	0.023	0.21	U	0.21	0.021	0.22
2-Methylphenol	500	100	0.33	0.2	U	0.2	0.032	*0.38*	*U*	*0.38*	*0.059*	0.2	U	0.2	0.03	0.19	U	0.19	0.03	0.17	U	0.17	0.027	0.18
2-Nitroaniline	NC	NC	NC	0.2	U	0.2	0.039	0.38	U	0.38	0.073	0.2	U	0.2	0.038	0.19	U	0.19	0.037	0.17	U	0.17	0.033	0.18
2-Nitrophenol	NC	NC	NC	0.44	U	0.44	0.076	0.82	U	0.82	0.14	0.42	UJ	0.42	0.073	0.42	UJ	0.42	0.073	0.37	U	0.37	0.065	0.4
3,3'-Dichlorobenzidine	NC	NC	NC	0.2	U	0.2	0.054	0.38	U	0.38	0.1	0.2	U	0.2	0.052	0.19	U	0.19	0.052	0.17	U	0.17	0.046	0.18
3-Methylphenol/4-Methylphenol	500	100	0.33	0.29	U	0.29	0.032	*0.55*	*U*	*0.55*	*0.06*	0.09	J	0.28	0.03	0.19	J	0.28	0.03	0.25	U	0.25	0.027	0.27
3-Nitroaniline	NC	NC	NC	0.2	U	0.2	0.038	0.38	U	0.38	0.072	0.2	U	0.2	0.037	0.19	U	0.19	0.036	0.17	U	0.17	0.033	0.18
4,6-Dinitro-o-cresol	NC	NC	NC	0.53	U	0.53	0.098	0.99	U	0.99	0.18	0.51	UJ	0.51	0.094	0.5	UJ	0.5	0.093	0.45	U	0.45	0.083	0.48
4-Bromophenyl phenyl ether	NC	NC	NC	0.2	U	0.2	0.031	0.38	U	0.38	0.058	0.2	U	0.2	0.03	0.19	U	0.19	0.03	0.17	U	0.17	0.026	0.18
4-Chloroaniline	NC	NC	NC	0.2	U	0.2	0.037	0.38	U	0.38	0.069	0.2	U	0.2	0.036	0.19	U	0.19	0.035	0.17	U	0.17	0.031	0.18
4-Chlorophenyl phenyl ether	NC	NC	NC	0.2	U	0.2	0.022	0.38	U	0.38	0.041	0.2	U	0.2	0.021	0.19	U	0.19	0.021	0.17	U	0.17	0.018	0.18
4-Nitroaniline	NC	NC	NC	0.2	U	0.2	0.084	0.38	U	0.38	0.16	0.2	U	0.2	0.081	0.19	U	0.19	0.08	0.17	U	0.17	0.072	0.18
4-Nitrophenol	NC	NC	NC	0.28	U	0.28	0.083	0.53	U	0.53	0.16	0.27	UJ	0.27	0.08	0.27	UJ	0.27	0.079	0.24	U	0.24	0.07	0.26
Acenaphthene	500	100	20	0.87		0.16	0.021	0.3	U	0.3	0.039	0.021	J	0.16	0.02	0.023	J	0.15	0.02	0.023	J	0.14	0.018	0.059
Acenaphthylene	500	100	100	0.054	J	0.16	0.031	0.3	U	0.3	0.059	0.16	U	0.16	0.03	0.15	U	0.15	0.03	0.14	U	0.14	0.027	0.15
Acetophenone	NC	NC	NC	0.2	U	0.2	0.025	0.38	U	0.38	0.047	0.2	U	0.2	0.024	0.19	U	0.19	0.024	0.17	U	0.17	0.021	0.18
Anthracene	500	100	100	1.8		0.12	0.04	0.23	U	0.23	0.074	0.042	J	0.12	0.038	0.052	J	0.12	0.038	0.044	J	0.1	0.034	0.12
Benzo(a)anthracene	5.6	1	1	2.8	U	0.12	0.023	0.23	UJ	0.23	0.043	0.12	U	0.12	0.022	0.13	JH	0.12	0.022	0.13	U	0.1	0.019	0.38
Benzo(a)pyrene	1	1	1	**2.1**	**JH**	**0.16**	**0.05**	0.3	UJ	0.3	0.093	0.16	JH	0.16	0.048	0.15	JH	0.15	0.047	0.14	JH	0.14	0.042	0.3
Benzo(b)fluoranthene	5.6	1	1	2.4	U	0.12	0.034	0.24	UJ	0.23	0.064	0.12	JH	0.12	0.033	0.15	JH	0.12	0.033	0.14	JH	0.1	0.029	0.43
Benzo(ghi)perylene	500	100	100	0.88	U	0.16	0.024	0.3	UJ	0.3	0.045	0.16	JH	0.16	0.023	0.15	JH	0.15	0.023	0.14	JH	0.14	0.02	0.16
Benzo(k)fluoranthene	56	3.9	0.8	0.85	U	0.12	0.032	0.23	UJ	0.23	0.061	0.12	JH	0.12	0.031	0.12	U	0.12	0.031	0.1	JH	0.1	0.028	0.11
Benzoic Acid	NC	NC	NC	0.66	U	0.66	0.21	1.2	U	1.2	0.38	0.63	U	0.63	0.2	0.63	U	0.63	0.2	0.56	U	0.56	0.18	0.6
Benzyl Alcohol	NC	NC	NC	0.2	U	0.2	0.062	0.38	U	0.38	0.12	0.2	U	0.2	0.06	0.19	U	0.19	0.059	0.17	U	0.17	0.053	0.18
Biphenyl	NC	NC	NC	0.46	U	0.46	0.047	0.87	U	0.87	0.088	0.44	U	0.44	0.045	0.44	U	0.44	0.045	0.39	U	0.39	0.04	0.42

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	MW-2A (0-2')				SP-7 (0-2')				SP-7 (8-8.5')					SP-7 (8-8.5')			SP-8 (0-2')				
LAB ID:				L2035276-08				L2035276-01				L2035276-02					L2035276-02 R1			L2035276-03				
COLLECTION DATE:				8/26/2020				8/26/2020				8/26/2020					8/26/2020			8/26/2020				
SAMPLE MATRIX:				SOIL				SOIL				SOIL					SOIL			SOIL				
				Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc
Bis(2-chloroethoxy)methane	NC	NC	NC	0.22	U	0.22	0.02	0.41	U	0.41	0.038	0.21	U	0.21	0.02	0.21	U	0.21	0.019	0.19	U	0.19	0.017	0.2
Bis(2-chloroethyl)ether	NC	NC	NC	0.18	U	0.18	0.028	0.34	U	0.34	0.052	0.18	U	0.18	0.026	0.17	U	0.17	0.026	0.16	U	0.16	0.023	0.17
Bis(2-chloroisopropyl)ether	NC	NC	NC	0.24	U	0.24	0.035	0.46	U	0.46	0.065	0.23	U	0.23	0.033	0.23	U	0.23	0.033	0.21	U	0.21	0.03	0.22
Bis(2-ethylhexyl)phthalate	NC	NC	NC	0.2	U	0.2	0.07	0.38	U	0.38	0.13	0.2	U	0.2	0.068	0.19	U	0.19	0.067	0.17	U	0.17	0.06	0.18
Butyl benzyl phthalate	NC	NC	NC	0.2	U	0.2	0.051	9.7		0.38	0.096	0.2	U	0.2	0.049	0.19	U	0.19	0.049	0.17	U	0.17	0.044	0.18
Carbazole	NC	NC	NC	0.62		0.2	0.02	0.38	U	0.38	0.037	0.019	J	0.2	0.019	0.025	J	0.19	0.019	0.025	J	0.17	0.017	0.059
Chrysene	56	3.9	1	2.4	U	0.12	0.021	0.23	UJ	0.23	0.04	0.12	U	0.12	0.02	0.12	JH	0.12	0.02	0.12	JH	0.1	0.018	0.32
Di-n-butylphthalate	NC	NC	NC	0.2	U	0.2	0.039	0.38	U	0.38	0.072	0.2	U	0.2	0.037	0.19	U	0.19	0.037	0.17	U	0.17	0.033	0.18
Di-n-octylphthalate	NC	NC	NC	0.2	U	0.2	0.069	0.38	U	0.38	0.13	0.2	U	0.2	0.066	0.19	U	0.19	0.066	0.17	U	0.17	0.059	0.18
Dibenzo(a,h)anthracene	0.56	0.33	0.33	0.3	J	0.12	0.024	0.23	U	0.23	0.044	0.12	U	0.12	0.022	0.12	U	0.12	0.022	0.1	U	0.1	0.02	0.11
Dibenzofuran	350	59	7	0.44		0.2	0.019	0.38	U	0.38	0.036	0.2	U	0.2	0.018	0.018	J	0.19	0.018	0.17	U	0.17	0.016	0.031
Diethyl phthalate	NC	NC	NC	0.2	U	0.2	0.019	0.38	U	0.38	0.035	0.2	U	0.2	0.018	0.19	U	0.19	0.018	0.17	U	0.17	0.016	0.18
Dimethyl phthalate	NC	NC	NC	0.2	U	0.2	0.043	0.38	U	0.38	0.08	0.2	U	0.2	0.041	0.19	U	0.19	0.041	0.17	U	0.17	0.036	0.18
Fluoranthene	500	100	100	5.1	JH	0.12	0.023	0.44	UJ	0.23	0.044	0.19	JH	0.12	0.022	0.23	JH	0.12	0.022	0.28	JH	0.1	0.02	0.78
Fluorene	500	100	30	0.82		0.2	0.02	0.38	U	0.38	0.037	0.021	J	0.2	0.019	0.028	J	0.19	0.019	0.018	J	0.17	0.017	0.051
Hexachlorobenzene	6	1.2	0.33	0.12	U	0.12	0.023	0.23	U	0.23	0.042	0.12	JH	0.12	0.022	0.12	U	0.12	0.022	0.1	U	0.1	0.019	0.11
Hexachlorobutadiene	NC	NC	NC	0.2	U	0.2	0.03	0.38	U	0.38	0.056	0.2	U	0.2	0.029	0.19	U	0.19	0.028	0.17	U	0.17	0.025	0.18
Hexachlorocyclopentadiene	NC	NC	NC	0.58	U	0.58	0.18	1.1	U	1.1	0.34	0.56	U	0.56	0.18	0.55	U	0.55	0.18	0.49	U	0.49	0.16	0.53
Hexachloroethane	NC	NC	NC	0.16	U	0.16	0.033	0.3	U	0.3	0.062	0.16	U	0.16	0.032	0.15	U	0.15	0.031	0.14	U	0.14	0.028	0.15
Indeno(1,2,3-cd)pyrene	5.6	0.5	0.5	**1**	**JH**	**0.16**	**0.028**	0.3	UJ	0.3	0.053	0.16	JH	0.16	0.027	0.15	JH	0.15	0.027	0.14	U	0.14	0.024	0.17
Isophorone	NC	NC	NC	0.18	U	0.18	0.026	0.34	U	0.34	0.049	0.18	U	0.18	0.025	0.17	U	0.17	0.025	0.16	U	0.16	0.022	0.17
n-Nitrosodi-n-propylamine	NC	NC	NC	0.2	U	0.2	0.031	0.38	U	0.38	0.059	0.2	U	0.2	0.03	0.19	U	0.19	0.03	0.17	U	0.17	0.027	0.18
Naphthalene	500	100	12	0.2	JH	0.2	0.025	0.38	U	0.38	0.046	0.2	U	0.2	0.024	0.19	U	0.19	0.024	0.17	U	0.17	0.021	0.18
NDPA/DPA	NC	NC	NC	0.16	U	0.16	0.023	0.3	U	0.3	0.043	0.16	U	0.16	0.022	0.15	U	0.15	0.022	0.14	U	0.14	0.02	0.15
Nitrobenzene	69	15	NC	0.18	U	0.18	0.03	0.34	U	0.34	0.056	0.18	JH	0.18	0.029	0.17	U	0.17	0.029	0.16	U	0.16	0.026	0.17
p-Chloro-m-cresol	NC	NC	NC	0.2	U	0.2	0.03	0.38	U	0.38	0.057	0.2	U	0.2	0.029	0.19	U	0.19	0.029	0.17	U	0.17	0.026	0.18
Pentachlorophenol	6.7	6.7	0.8	0.16	U	0.16	0.045	0.3	U	0.3	0.084	0.16	JH	0.16	0.043	0.15	JH	0.15	0.043	0.14	U	0.14	0.038	0.15
Phenanthrene	500	100	100	5.9		0.12	0.025	0.33		0.23	0.046	0.16		0.12	0.024	0.18		0.12	0.024	0.22		0.1	0.021	0.67
Phenol	500	100	0.33	0.2	U	0.2	0.031	*0.38*	*UJ*	*0.38*	*0.057*	0.2	U	0.2	0.03	0.19	U	0.19	0.029	0.17	U	0.17	0.026	0.18
Pyrene	500	100	100	4.2	JH	0.12	0.02	0.4	UJ	0.23	0.038	0.17	JH	0.12	0.019	0.21	JH	0.12	0.019	0.25	U	0.1	0.017	0.68
Total SVOCs	NC	NC	NC	32.854	-	-	-	12.08	-	-	-	1.283	-	-	-	1.674	-	-	-	1.558	-	-	-	4.396
CHLORINATED HERBICIDES																								
2,4,5-T	NC	NC	NC	0.199	U	0.199	0.00617	0.564	U	0.564	0.0175	0.193	U	0.193	0.00598	-		-	-	0.174	U	0.174	0.00541	0.186
2,4,5-TP (Silvex)	500	100	3.8	0.199	U	0.199	0.0053	0.564	U	0.564	0.015	0.193	U	0.193	0.00513	-		-	-	0.174	U	0.174	0.00464	0.186
2,4-D	NC	NC	NC	0.199	U	0.199	0.0125	0.564	U	0.564	0.0356	0.193	U	0.193	0.0122	-		-	-	0.174	U	0.174	0.011	0.186

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	MW-2A (0-2')				SP-7 (0-2')				SP-7 (8-8.5')					SP-7 (8-8.5')			SP-8 (0-2')				
LAB ID:				L2035276-08				L2035276-01				L2035276-02					L2035276-02 R1			L2035276-03				
COLLECTION DATE:				8/26/2020				8/26/2020				8/26/2020					8/26/2020			8/26/2020				
SAMPLE MATRIX:				SOIL				SOIL				SOIL					SOIL			SOIL				
				Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc
ORGANOCHLORINE PESTICIDES																								
4,4'-DDD	92	13	0.0033	0.00187	U	0.00187	0.000666	*0.0178*	*U*	*0.0178*	*0.00633*	0.00188	U	0.00188	0.00067	-		-	-	0.00164	U	0.00164	0.000585	0.00173
4,4'-DDE	62	8.9	0.0033	0.00187	U	0.00187	0.000432	*0.0178*	*U*	*0.0178*	*0.0041*	0.00112	J	0.00188	0.000434	-		-	-	0.00164	U	0.00164	0.000379	0.00173
4,4'-DDT	47	7.9	0.0033	*0.0035*	*U*	*0.0035*	*0.0015*	*0.0333*	*U*	*0.0333*	*0.0143*	*0.00352*	*U*	*0.00352*	*0.00151*	-		-	-	0.00307	U	0.00307	0.00132	0.00325
Aldrin	0.68	0.097	0.005	0.00187	U	0.00187	0.000657	*0.0178*	*U*	*0.0178*	*0.00625*	0.00188	U	0.00188	0.000661	-		-	-	0.00164	U	0.00164	0.000577	0.00173
Alpha-BHC	3.4	0.48	0.02	0.000778	U	0.000778	0.000221	0.0074	U	0.0074	0.0021	0.000782	U	0.000782	0.000222	-		-	-	0.000683	U	0.000683	0.000194	0.000722
Beta-BHC	3	0.36	0.036	0.00187	U	0.00187	0.000708	0.0178	U	0.0178	0.00673	0.00188	U	0.00188	0.000712	-		-	-	0.00164	U	0.00164	0.000622	0.00173
Chlordane	NC	NC	NC	0.0156	U	0.0156	0.00618	0.601	UJ	0.148	0.0588	0.0156	U	0.0156	0.00622	-		-	-	0.0137	U	0.0137	0.00543	0.0144
cis-Chlordane	24	4.2	0.094	0.00233	U	0.00233	0.00065	0.127	UJ	0.0222	0.00618	0.00235	U	0.00235	0.000654	-		-	-	0.00205	U	0.00205	0.000571	0.00217
Delta-BHC	500	100	0.04	0.00187	U	0.00187	0.000366	0.0178	U	0.0178	0.00348	0.00188	U	0.00188	0.000368	-		-	-	0.00164	U	0.00164	0.000321	0.00173
Dieldrin	1.4	0.2	0.005	0.00117	U	0.00117	0.000584	*0.0111*	*U*	*0.0111*	*0.00555*	0.00117	U	0.00117	0.000587	-		-	-	0.00102	U	0.00102	0.000512	0.00108
Endosulfan I	200	24	2.4	0.00187	U	0.00187	0.000441	0.0178	U	0.0178	0.00419	0.00188	U	0.00188	0.000444	-		-	-	0.00164	U	0.00164	0.000387	0.00173
Endosulfan II	200	24	2.4	0.00187	U	0.00187	0.000624	0.0178	U	0.0178	0.00593	0.00188	U	0.00188	0.000628	-		-	-	0.00164	U	0.00164	0.000548	0.00173
Endosulfan sulfate	200	24	2.4	0.000778	U	0.000778	0.00037	0.0074	U	0.0074	0.00352	0.000782	U	0.000782	0.000372	-		-	-	0.000683	U	0.000683	0.000325	0.000722
Endrin	89	11	0.014	0.000778	U	0.000778	0.000319	0.0074	U	0.0074	0.00303	0.000782	U	0.000782	0.000321	-		-	-	0.000683	U	0.000683	0.00028	0.000722
Endrin aldehyde	NC	NC	NC	0.00233	U	0.00233	0.000817	0.0222	U	0.0222	0.00777	0.00235	U	0.00235	0.000822	-		-	-	0.00205	U	0.00205	0.000717	0.00217
Endrin ketone	NC	NC	NC	0.00187	U	0.00187	0.000481	0.0178	U	0.0178	0.00457	0.00188	U	0.00188	0.000484	-		-	-	0.00164	U	0.00164	0.000422	0.00173
Heptachlor	15	2.1	0.042	0.000934	U	0.000934	0.000418	0.00888	U	0.00888	0.00398	0.000939	U	0.000939	0.000421	-		-	-	0.00082	U	0.00082	0.000368	0.000867
Heptachlor epoxide	NC	NC	NC	0.0035	U	0.0035	0.00105	0.0333	U	0.0333	0.00999	0.00352	U	0.00352	0.00106	-		-	-	0.00307	U	0.00307	0.000922	0.00325
Lindane	9.2	1.3	0.1	0.000778	U	0.000778	0.000348	0.0074	U	0.0074	0.00331	0.000782	U	0.000782	0.00035	-		-	-	0.000683	U	0.000683	0.000305	0.000722
Methoxychlor	NC	NC	NC	0.0035	U	0.0035	0.00109	0.0333	U	0.0333	0.0104	0.00352	U	0.00352	0.0011	-		-	-	0.00307	U	0.00307	0.000956	0.00325
Toxaphene	NC	NC	NC	0.035	U	0.035	0.0098	0.333	U	0.333	0.0932	0.0352	U	0.0352	0.00986	-		-	-	0.0307	U	0.0307	0.00861	0.0325
trans-Chlordane	NC	NC	NC	0.00233	U	0.00233	0.000616	0.0941		0.0222	0.00586	0.00235	U	0.00235	0.00062	-		-	-	0.00205	U	0.00205	0.000541	0.00217
POLYCHLORINATED BIPHENYLS																								
Aroclor 1016	1	1	0.1	0.0397	U	0.0397	0.00352	0.0377	U	0.0377	0.00334	0.039	U	0.039	0.00346	-		-	-	0.0338	U	0.0338	0.003	0.0368
Aroclor 1221	1	1	0.1	0.0397	U	0.0397	0.00398	0.0377	U	0.0377	0.00377	0.039	U	0.039	0.0039	-		-	-	0.0338	U	0.0338	0.00339	0.0368
Aroclor 1232	1	1	0.1	0.0397	U	0.0397	0.00841	0.0377	U	0.0377	0.00798	0.039	U	0.039	0.00826	-		-	-	0.0338	U	0.0338	0.00717	0.0368
Aroclor 1242	1	1	0.1	0.0397	U	0.0397	0.00535	0.0377	U	0.0377	0.00508	0.039	U	0.039	0.00525	-		-	-	0.0338	U	0.0338	0.00456	0.0368
Aroclor 1248	1	1	0.1	0.0397	U	0.0397	0.00595	0.0377	U	0.0377	0.00565	0.039	U	0.039	0.00585	-		-	-	0.0338	U	0.0338	0.00508	0.0368
Aroclor 1254	1	1	0.1	0.0397	U	0.0397	0.00434	0.0377	U	0.0377	0.00412	0.039	U	0.039	0.00426	-		-	-	0.0338	U	0.0338	0.0037	0.0368
Aroclor 1260	1	1	0.1	0.0397	U	0.0397	0.00733	0.0185	J	0.0377	0.00696	0.039	U	0.039	0.0072	-		-	-	0.0338	U	0.0338	0.00625	0.0368
Aroclor 1262	1	1	0.1	0.0397	U	0.0397	0.00504	0.0377	U	0.0377	0.00478	0.039	U	0.039	0.00495	-		-	-	0.0338	U	0.0338	0.0043	0.0368
Aroclor 1268	1	1	0.1	0.0397	U	0.0397	0.00411	0.0377	U	0.0377	0.0039	0.039	U	0.039	0.00404	-		-	-	0.0338	U	0.0338	0.0035	0.0368
PCBs, Total	1	1	0.1	0.0397	U	0.0397	0.00352	0.0185	J	0.0377	0.00334	0.039	U	0.039	0.00346	-		-	-	0.0338	U	0.0338	0.003	0.0368

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	MW-2A (0-2')				SP-7 (0-2')				SP-7 (8-8.5')					SP-7 (8-8.5')			SP-8 (0-2')				
LAB ID:				L2035276-08				L2035276-01				L2035276-02					L2035276-02 R1			L2035276-03				
COLLECTION DATE:				8/26/2020				8/26/2020				8/26/2020					8/26/2020			8/26/2020				
SAMPLE MATRIX:				SOIL				SOIL				SOIL					SOIL			SOIL				
				Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc
TOTAL METALS																								
Aluminum, Total	NC	NC	NC	6640	JH	9.33	2.52	4270	UJ	8.76	2.37	5820	UJ	9.08	2.45	-		-	-	4910	JH	7.98	2.15	2240
Antimony, Total	NC	NC	NC	4.66	U	4.66	0.354	1.33	UJ	4.38	0.333	4.54	U	4.54	0.345	-		-	-	3.99	U	3.99	0.303	0.889
Arsenic, Total	16	16	13	3.25		0.933	0.194	2.19		0.876	0.182	2.13		0.908	0.189	-		-	-	3.59		0.798	0.166	5.66
Barium, Total	400	400	350	59.8	JH	0.933	0.162	172	UJ	0.876	0.152	69	R	0.908	0.158	-		-	-	77.5	JH	0.798	0.139	78.8
Beryllium, Total	590	72	7.2	0.466	JH	0.466	0.031	0.438	UJ	0.438	0.029	0.154	J	0.454	0.03	-		-	-	0.399	JH	0.399	0.026	0.423
Cadmium, Total	9.3	4.3	2.5	0.149	J	0.933	0.091	1.63		0.876	0.086	0.145	J	0.908	0.089	-		-	-	0.734	J	0.798	0.078	0.203
Calcium, Total	NC	NC	NC	1430		9.33	3.26	35400	UJ	87.6	30.7	60200		90.8	31.8	-		-	-	5100		7.98	2.79	8500
Chromium, Total	NC	NC	NC	11.4	U	0.933	0.09	19.6	UJ	0.876	0.084	8.8	R	0.908	0.087	-		-	-	16.1	JH	0.798	0.077	7.42
Cobalt, Total	NC	NC	NC	4.3		1.86	0.155	5		1.75	0.145	2.57		1.82	0.151	-		-	-	7.06		1.6	0.132	4.52
Copper, Total	270	270	50	15.8		0.933	0.241	199	UJ	0.876	0.226	16.8		0.908	0.234	-		-	-	40.7		0.798	0.206	26.5
Iron, Total	NC	NC	NC	12300	U	4.66	0.842	26200	UJ	4.38	0.791	7280	R	4.54	0.82	-		-	-	14900	JH	3.99	0.72	11900
Lead, Total	1000	400	63	52.9		4.66	0.25	1260	UJ	4.38	0.235	**77.1**		**4.54**	**0.243**	-		-	-	**124**		**3.99**	**0.214**	**179**
Magnesium, Total	NC	NC	NC	1400		9.33	1.44	9180	UJ	8.76	1.35	3270		9.08	1.4	-		-	-	1950		7.98	1.23	530
Manganese, Total	10000	2000	1600	178		0.933	0.148	282	UJ	0.876	0.139	169		0.908	0.144	-		-	-	231		0.798	0.127	224
Mercury, Total	2.8	0.81	0.18	0.172		0.082	0.054	**7.28**		**0.394**	**0.257**	**1.46**		**0.08**	**0.052**	-		-	-	0.089		0.075	0.049	**3.42**
Nickel, Total	310	310	30	8.08		2.33	0.226	13.6		2.19	0.212	5.57		2.27	0.22	-		-	-	22.7		1.99	0.193	8.15
Potassium, Total	NC	NC	NC	423		233	13.4	912	UJ	219	12.6	495		227	13.1	-		-	-	751		199	11.5	320
Selenium, Total	1500	180	3.9	1.86	U	1.86	0.241	1.75	U	1.75	0.226	1.82	U	1.82	0.234	-		-	-	1.6	U	1.6	0.206	0.356
Silver, Total	1500	180	2	0.933	U	0.933	0.264	**4.41**		**0.876**	**0.248**	0.545	J	0.908	0.257	-		-	-	0.798	U	0.798	0.226	0.847
Sodium, Total	NC	NC	NC	51.2	J	186	2.94	154	J	175	2.76	136	J	182	2.86	-		-	-	63.2	J	160	2.51	119
Thallium, Total	NC	NC	NC	1.86	U	1.86	0.294	1.75	U	1.75	0.276	1.82	U	1.82	0.286	-		-	-	1.6	U	1.6	0.251	1.69
Vanadium, Total	NC	NC	NC	17		0.933	0.189	21.6	UJ	0.876	0.178	10.7		0.908	0.184	-		-	-	20.8		0.798	0.162	15.4
Zinc, Total	10000	10000	109	44		4.66	0.273	200	UJ	4.38	0.257	42.7		4.54	0.266	-		-	-	**182**		**3.99**	**0.234**	91.6
PERFLUORINATED ALKYL ACIDS																								
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluorobutanesulfonic Acid (PFBS)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluorobutanoic Acid (PFBA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluorodecanesulfonic Acid (PFDS)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluorodecanoic Acid (PFDA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluorododecanoic Acid (PFDoA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluoroheptanesulfonic Acid (PFHpS)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluoroheptanoic Acid (PFHpA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluorohexanesulfonic Acid (PFHxS)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluorohexanoic Acid (PFHxA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluorononanoic Acid (PFNA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluorooctanesulfonamide (FOSA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluorooctanesulfonic Acid (PFOS)	440	44	0.88	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluorooctanoic Acid (PFOA)	500	33	0.66	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluoropentanoic Acid (PFPeA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluorotetradecanoic Acid (PFTA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluorotridecanoic Acid (PFTrDA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-
Perfluoroundecanoic Acid (PFUnA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	SP-8 (7-7.5')			SP-8 (9-9.5')				SP-9 (0-2')			
LAB ID:				L2035276-04			L2035276-05				L2035276-06			
COLLECTION DATE:				8/26/2020			8/26/2020				8/26/2020			
SAMPLE MATRIX:				SOIL			SOIL				SOIL			
				Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANIC COMPOUNDS														
1,1,1,2-Tetrachloroethane	NC	NC	NC	U	0.00062	0.00016	0.00094	U	0.00094	0.00025	0.0007	U	0.0007	0.00018
1,1,1-Trichloroethane	500	100	0.68	U	0.00062	0.00021	0.00094	U	0.00094	0.00031	0.0007	U	0.0007	0.00023
1,1,2,2-Tetrachloroethane	NC	NC	NC	U	0.00062	0.00021	0.00094	U	0.00094	0.00031	0.0007	U	0.0007	0.00023
1,1,2-Trichloroethane	NC	NC	NC	U	0.0012	0.00033	0.0019	U	0.0019	0.0005	0.0014	U	0.0014	0.00037
1,1-Dichloroethane	240	26	0.27	U	0.0012	0.00018	0.0019	U	0.0019	0.00027	0.0014	U	0.0014	0.0002
1,1-Dichloroethene	500	100	0.33	JH	0.0012	0.0003	0.0019	JH	0.0019	0.00045	0.0014	U	0.0014	0.00033
1,1-Dichloropropene	NC	NC	NC	U	0.00062	0.0002	0.00094	U	0.00094	0.0003	0.0007	U	0.0007	0.00022
1,2,3-Trichlorobenzene	NC	NC	NC	U	0.0025	0.0004	0.0037	U	0.0037	0.0006	0.0028	U	0.0028	0.00045
1,2,3-Trichloropropane	NC	NC	NC	U	0.0025	0.00016	0.0037	U	0.0037	0.00024	0.0028	U	0.0028	0.00018
1,2,4,5-Tetramethylbenzene	NC	NC	NC	U	0.0025	0.00024	0.0037	U	0.0037	0.00036	0.0028	U	0.0028	0.00027
1,2,4-Trichlorobenzene	NC	NC	NC	U	0.0025	0.00034	0.0037	U	0.0037	0.00051	0.0028	U	0.0028	0.00038
1,2,4-Trimethylbenzene	190	52	3.6	U	0.0025	0.00042	0.0037	U	0.0037	0.00063	0.0028	U	0.0028	0.00047
1,2-Dibromo-3-chloropropane	NC	NC	NC	U	0.0037	0.0012	0.0056	U	0.0056	0.0019	0.0042	U	0.0042	0.0014
1,2-Dibromoethane	NC	NC	NC	U	0.0012	0.00035	0.0019	U	0.0019	0.00052	0.0014	U	0.0014	0.00039
1,2-Dichlorobenzene	500	100	1.1	U	0.0025	0.00018	0.0037	U	0.0037	0.00027	0.0028	U	0.0028	0.0002
1,2-Dichloroethane	30	3.1	0.02	U	0.0012	0.00032	0.0019	U	0.0019	0.00048	0.0014	U	0.0014	0.00036
1,2-Dichloroethene, Total	NC	NC	NC	U	0.0012	0.00017	0.0019	U	0.0019	0.00026	0.0014	U	0.0014	0.00019
1,2-Dichloropropane	NC	NC	NC	U	0.0012	0.00016	0.0019	U	0.0019	0.00023	0.0014	U	0.0014	0.00017
1,3,5-Trimethylbenzene	190	52	8.4	U	0.0025	0.00024	0.0037	U	0.0037	0.00036	0.0028	U	0.0028	0.00027
1,3-Dichlorobenzene	280	49	2.4	U	0.0025	0.00018	0.0037	U	0.0037	0.00028	0.0028	U	0.0028	0.00021
1,3-Dichloropropane	NC	NC	NC	U	0.0025	0.00021	0.0037	U	0.0037	0.00031	0.0028	U	0.0028	0.00023
1,3-Dichloropropene, Total	NC	NC	NC	U	0.00062	0.0002	0.00094	U	0.00094	0.0003	0.0007	U	0.0007	0.00022
1,4-Dichlorobenzene	130	13	1.8	U	0.0025	0.00021	0.0037	U	0.0037	0.00032	0.0028	U	0.0028	0.00024
1,4-Dioxane	130	13	0.1	*JH*	*0.1*	*0.044*	*0.15*	*JH*	*0.15*	*0.066*	*0.11*	*U*	*0.11*	*0.049*
2,2-Dichloropropane	NC	NC	NC	U	0.0025	0.00025	0.0037	U	0.0037	0.00038	0.0028	U	0.0028	0.00028
2-Butanone	500	100	0.12	U	0.012	0.0028	0.025		0.019	0.0042	0.014	U	0.014	0.0031
2-Hexanone	NC	NC	NC	U	0.012	0.0015	0.019	U	0.019	0.0022	0.014	U	0.014	0.0016
4-Methyl-2-pentanone	NC	NC	NC	U	0.012	0.0016	0.019	U	0.019	0.0024	0.014	U	0.014	0.0018
Acetone	500	100	0.05	J	0.012	0.006	**0.11**		**0.019**	**0.009**	0.014	U	0.014	0.0067
Acrylonitrile	NC	NC	NC	U	0.005	0.0014	0.0075	U	0.0075	0.0022	0.0056	U	0.0056	0.0016
Benzene	44	4.8	0.06	U	0.00062	0.00021	0.00094	U	0.00094	0.00031	0.0007	U	0.0007	0.00023
Bromobenzene	NC	NC	NC	U	0.0025	0.00018	0.0037	U	0.0037	0.00027	0.0028	U	0.0028	0.0002
Bromochloromethane	NC	NC	NC	U	0.0025	0.00026	0.0037	U	0.0037	0.00038	0.0028	U	0.0028	0.00029
Bromodichloromethane	NC	NC	NC	U	0.00062	0.00014	0.00094	U	0.00094	0.0002	0.0007	U	0.0007	0.00015
Bromoform	NC	NC	NC	U	0.005	0.00031	0.0075	U	0.0075	0.00046	0.0056	U	0.0056	0.00034
Bromomethane	NC	NC	NC	U	0.0025	0.00072	0.0037	U	0.0037	0.0011	0.0028	U	0.0028	0.00081
Carbon disulfide	NC	NC	NC	UJ	0.012	0.0057	0.019	JH	0.019	0.0085	0.014	U	0.014	0.0064
Carbon tetrachloride	22	2.4	0.76	U	0.0012	0.00029	0.0019	U	0.0019	0.00043	0.0014	U	0.0014	0.00032
Chlorobenzene	500	100	1.1	U	0.00062	0.00016	0.00094	U	0.00094	0.00024	0.0007	U	0.0007	0.00018
Chloroethane	NC	NC	NC	U	0.0025	0.00056	0.0037	U	0.0037	0.00085	0.0028	U	0.0028	0.00063

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	SP-8 (7-7.5')			SP-8 (9-9.5')				SP-9 (0-2')			
LAB ID:				L2035276-04			L2035276-05				L2035276-06			
COLLECTION DATE:				8/26/2020			8/26/2020				8/26/2020			
SAMPLE MATRIX:				SOIL			SOIL				SOIL			
				Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Chloroform	350	49	0.37	U	0.0019	0.00017	0.0028	U	0.0028	0.00026	0.0021	U	0.0021	0.0002
Chloromethane	NC	NC	NC	U	0.005	0.0012	0.0075	U	0.0075	0.0017	0.0056	U	0.0056	0.0013
cis-1,2-Dichloroethene	500	100	0.25	U	0.0012	0.00022	0.0019	U	0.0019	0.00033	0.0014	U	0.0014	0.00024
cis-1,3-Dichloropropene	NC	NC	NC	U	0.00062	0.0002	0.00094	U	0.00094	0.0003	0.0007	U	0.0007	0.00022
Dibromochloromethane	NC	NC	NC	U	0.0012	0.00017	0.0019	U	0.0019	0.00026	0.0014	U	0.0014	0.0002
Dibromomethane	NC	NC	NC	U	0.0025	0.0003	0.0037	U	0.0037	0.00045	0.0028	U	0.0028	0.00033
Dichlorodifluoromethane	NC	NC	NC	U	0.012	0.0011	0.019	U	0.019	0.0017	0.014	U	0.014	0.0013
Ethyl ether	NC	NC	NC	U	0.0025	0.00042	0.0037	U	0.0037	0.00064	0.0028	U	0.0028	0.00048
Ethylbenzene	390	41	1	U	0.0012	0.00018	0.0019	U	0.0019	0.00026	0.0014	U	0.0014	0.0002
Hexachlorobutadiene	NC	NC	NC	U	0.005	0.00021	0.0075	U	0.0075	0.00032	0.0056	U	0.0056	0.00024
Isopropylbenzene	NC	NC	NC	U	0.0012	0.00014	0.0019	U	0.0019	0.0002	0.0014	U	0.0014	0.00015
Methyl tert butyl ether	500	100	0.93	U	0.0025	0.00025	0.0037	U	0.0037	0.00038	0.0028	U	0.0028	0.00028
Methylene chloride	500	100	0.05	U	0.0062	0.0028	0.0094	U	0.0094	0.0043	0.007	U	0.007	0.0032
n-Butylbenzene	500	100	12	U	0.0012	0.00021	0.0019	U	0.0019	0.00031	0.0014	U	0.0014	0.00023
n-Propylbenzene	500	100	3.9	U	0.0012	0.00021	0.0019	U	0.0019	0.00032	0.0014	U	0.0014	0.00024
Naphthalene	500	100	12	U	0.005	0.00081	0.0075	U	0.0075	0.0012	0.0056	U	0.0056	0.00091
o-Chlorotoluene	NC	NC	NC	U	0.0025	0.00024	0.0037	U	0.0037	0.00036	0.0028	U	0.0028	0.00027
o-Xylene	NC	NC	NC	U	0.0012	0.00036	0.0019	U	0.0019	0.00054	0.0014	U	0.0014	0.00041
p-Chlorotoluene	NC	NC	NC	U	0.0025	0.00013	0.0037	U	0.0037	0.0002	0.0028	U	0.0028	0.00015
p-Diethylbenzene	NC	NC	NC	U	0.0025	0.00022	0.0037	U	0.0037	0.00033	0.0028	U	0.0028	0.00025
p-Ethyltoluene	NC	NC	NC	U	0.0025	0.00048	0.0037	U	0.0037	0.00072	0.0028	U	0.0028	0.00054
p-Isopropyltoluene	NC	NC	NC	U	0.0012	0.00014	0.0019	U	0.0019	0.0002	0.0014	U	0.0014	0.00015
p/m-Xylene	NC	NC	NC	U	0.0025	0.0007	0.0037	U	0.0037	0.001	0.0028	U	0.0028	0.00078
sec-Butylbenzene	500	100	11	U	0.0012	0.00018	0.0019	U	0.0019	0.00027	0.0014	U	0.0014	0.0002
Styrene	NC	NC	NC	U	0.0012	0.00024	0.0019	U	0.0019	0.00037	0.0014	U	0.0014	0.00027
tert-Butylbenzene	500	100	5.9	U	0.0025	0.00015	0.0037	U	0.0037	0.00022	0.0028	U	0.0028	0.00016
Tetrachloroethene	150	19	1.3		0.00062	0.00024	0.00094	U	0.00094	0.00037	0.0007	U	0.0007	0.00027
Toluene	500	100	0.7	U	0.0012	0.00068	0.0019	U	0.0019	0.001	0.0014	U	0.0014	0.00076
trans-1,2-Dichloroethene	500	100	0.19	U	0.0019	0.00017	0.0028	U	0.0028	0.00026	0.0021	U	0.0021	0.00019
trans-1,3-Dichloropropene	NC	NC	NC	U	0.0012	0.00034	0.0019	U	0.0019	0.00051	0.0014	U	0.0014	0.00038
trans-1,4-Dichloro-2-butene	NC	NC	NC	U	0.0062	0.0018	0.0094	U	0.0094	0.0027	0.007	U	0.007	0.002
Trichloroethene	200	21	0.47	U	0.00062	0.00017	0.00094	U	0.00094	0.00026	0.0007	U	0.0007	0.00019
Trichlorofluoromethane	NC	NC	NC	U	0.005	0.00087	0.0075	U	0.0075	0.0013	0.0056	U	0.0056	0.00097
Vinyl acetate	NC	NC	NC	U	0.012	0.0027	0.019	U	0.019	0.004	0.014	U	0.014	0.003
Vinyl chloride	13	0.9	0.02	U	0.0012	0.00042	0.0019	U	0.0019	0.00063	0.0014	U	0.0014	0.00047
Xylenes, Total	500	100	0.26	U	0.0012	0.00036	0.0019	U	0.0019	0.00054	0.0014	U	0.0014	0.00041
Total VOCs	NC	NC	NC	-	-	-	0.135	-	-	-	-	-	-	-

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	SP-8 (7-7.5')			SP-8 (9-9.5')				SP-9 (0-2')			
LAB ID:				L2035276-04			L2035276-05				L2035276-06			
COLLECTION DATE:				8/26/2020			8/26/2020				8/26/2020			
SAMPLE MATRIX:				SOIL			SOIL				SOIL			
				Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
SEMIVOLATILE ORGANIC COMPOUNDS														
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	U	0.18	0.019	0.22	U	0.22	0.023	0.18	U	0.18	0.018
1,2,4-Trichlorobenzene	NC	NC	NC	U	0.18	0.021	0.22	U	0.22	0.025	0.18	U	0.18	0.02
1,2-Dichlorobenzene	500	100	1.1	U	0.18	0.033	0.22	U	0.22	0.039	0.18	U	0.18	0.031
1,3-Dichlorobenzene	280	49	2.4	U	0.18	0.032	0.22	U	0.22	0.038	0.18	U	0.18	0.03
1,4-Dichlorobenzene	130	13	1.8	U	0.18	0.032	0.22	U	0.22	0.038	0.18	U	0.18	0.031
1,4-Dioxane	130	13	0.1	UJ	0.028	0.0085	0.033	U	0.033	0.01	0.026	UJ	0.026	0.0081
2,4,5-Trichlorophenol	NC	NC	NC	U	0.18	0.035	0.22	U	0.22	0.042	0.18	U	0.18	0.034
2,4,6-Trichlorophenol	NC	NC	NC	U	0.11	0.035	0.13	U	0.13	0.042	0.1	U	0.1	0.033
2,4-Dichlorophenol	NC	NC	NC	U	0.17	0.03	0.2	U	0.2	0.035	0.16	U	0.16	0.028
2,4-Dimethylphenol	NC	NC	NC	U	0.18	0.061	0.22	U	0.22	0.072	0.18	U	0.18	0.058
2,4-Dinitrophenol	NC	NC	NC	U	0.89	0.086	1	U	1	0.1	0.84	U	0.84	0.082
2,4-Dinitrotoluene	NC	NC	NC	U	0.18	0.037	0.22	U	0.22	0.044	0.18	U	0.18	0.035
2,6-Dinitrotoluene	NC	NC	NC	U	0.18	0.032	0.22	U	0.22	0.038	0.18	U	0.18	0.03
2-Chloronaphthalene	NC	NC	NC	U	0.18	0.018	0.22	U	0.22	0.022	0.18	U	0.18	0.017
2-Chlorophenol	NC	NC	NC	U	0.18	0.022	0.22	U	0.22	0.026	0.18	U	0.18	0.021
2-Methylnaphthalene	NC	NC	NC	U	0.22	0.022	0.26	U	0.26	0.026	0.082	J	0.21	0.021
2-Methylphenol	500	100	0.33	U	0.18	0.029	0.22	U	0.22	0.034	0.18	U	0.18	0.027
2-Nitroaniline	NC	NC	NC	U	0.18	0.036	0.22	U	0.22	0.042	0.18	U	0.18	0.034
2-Nitrophenol	NC	NC	NC	UJ	0.4	0.07	0.47	U	0.47	0.083	0.38	U	0.38	0.066
3,3'-Dichlorobenzidine	NC	NC	NC	U	0.18	0.049	0.22	U	0.22	0.058	0.18	U	0.18	0.047
3-Methylphenol/4-Methylphenol	500	100	0.33	U	0.27	0.029	0.13	J	0.32	0.034	0.25	U	0.25	0.027
3-Nitroaniline	NC	NC	NC	U	0.18	0.035	0.22	U	0.22	0.041	0.18	U	0.18	0.033
4,6-Dinitro-o-cresol	NC	NC	NC	U	0.48	0.089	0.57	U	0.57	0.1	0.46	U	0.46	0.084
4-Bromophenyl phenyl ether	NC	NC	NC	U	0.18	0.028	0.22	U	0.22	0.034	0.18	U	0.18	0.027
4-Chloroaniline	NC	NC	NC	U	0.18	0.034	0.22	U	0.22	0.04	0.18	U	0.18	0.032
4-Chlorophenyl phenyl ether	NC	NC	NC	U	0.18	0.02	0.22	U	0.22	0.024	0.18	U	0.18	0.019
4-Nitroaniline	NC	NC	NC	U	0.18	0.077	0.22	U	0.22	0.091	0.18	U	0.18	0.072
4-Nitrophenol	NC	NC	NC	U	0.26	0.076	0.31	U	0.31	0.09	0.24	U	0.24	0.072
Acenaphthene	500	100	20	J	0.15	0.019	0.18	U	0.18	0.023	0.12	J	0.14	0.018
Acenaphthylene	500	100	100	U	0.15	0.028	0.18	U	0.18	0.034	0.066	J	0.14	0.027
Acetophenone	NC	NC	NC	UJ	0.18	0.023	0.22	U	0.22	0.027	0.18	U	0.18	0.022
Anthracene	500	100	100		0.11	0.036	0.13	U	0.13	0.043	0.37		0.1	0.034
Benzo(a)anthracene	5.6	1	1	UJ	0.11	0.021	0.13	U	0.13	0.025	1.1	U	0.1	0.02
Benzo(a)pyrene	1	1	1	UJ	0.15	0.045	0.18	U	0.18	0.054	1.3	U	0.14	0.043
Benzo(b)fluoranthene	5.6	1	1	UJ	0.11	0.031	0.13	U	0.13	0.037	1.6	U	0.1	0.03
Benzo(ghi)perylene	500	100	100	U	0.15	0.022	0.18	U	0.18	0.026	0.9	U	0.14	0.021
Benzo(k)fluoranthene	56	3.9	0.8	U	0.11	0.03	0.13	U	0.13	0.035	0.56	U	0.1	0.028
Benzoic Acid	NC	NC	NC	U	0.6	0.19	0.71	U	0.71	0.22	0.57	U	0.57	0.18
Benzyl Alcohol	NC	NC	NC	JH	0.18	0.057	0.22	U	0.22	0.067	0.18	U	0.18	0.054
Biphenyl	NC	NC	NC	U	0.42	0.043	0.5	U	0.5	0.051	0.4	U	0.4	0.041

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	SP-8 (7-7.5')			SP-8 (9-9.5')				SP-9 (0-2')			
LAB ID:				L2035276-04			L2035276-05				L2035276-06			
COLLECTION DATE:				8/26/2020			8/26/2020				8/26/2020			
SAMPLE MATRIX:				SOIL			SOIL				SOIL			
				Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Bis(2-chloroethoxy)methane	NC	NC	NC	U	0.2	0.018	0.24	U	0.24	0.022	0.19	U	0.19	0.018
Bis(2-chloroethyl)ether	NC	NC	NC	U	0.17	0.025	0.2	U	0.2	0.03	0.16	U	0.16	0.024
Bis(2-chloroisopropyl)ether	NC	NC	NC	U	0.22	0.032	0.26	U	0.26	0.038	0.21	JH	0.21	0.03
Bis(2-ethylhexyl)phthalate	NC	NC	NC	U	0.18	0.064	0.22	U	0.22	0.076	0.18	U	0.18	0.061
Butyl benzyl phthalate	NC	NC	NC	U	0.18	0.047	0.22	U	0.22	0.055	0.18	U	0.18	0.044
Carbazole	NC	NC	NC	J	0.18	0.018	0.22	U	0.22	0.021	0.16	J	0.18	0.017
Chrysene	56	3.9	1	JH	0.11	0.019	0.13	U	0.13	0.023	**1.1**	**JH**	**0.1**	**0.018**
Di-n-butylphthalate	NC	NC	NC	U	0.18	0.035	0.22	U	0.22	0.042	0.18	U	0.18	0.033
Di-n-octylphthalate	NC	NC	NC	U	0.18	0.063	0.22	U	0.22	0.075	0.18	U	0.18	0.06
Dibenzo(a,h)anthracene	0.56	0.33	0.33	JH	0.11	0.021	0.13	U	0.13	0.025	0.2	JH	0.1	0.02
Dibenzofuran	350	59	7	J	0.18	0.018	0.22	U	0.22	0.021	0.074	J	0.18	0.016
Diethyl phthalate	NC	NC	NC	U	0.18	0.017	0.22	U	0.22	0.02	0.18	U	0.18	0.016
Dimethyl phthalate	NC	NC	NC	U	0.18	0.039	0.22	U	0.22	0.046	0.18	U	0.18	0.037
Fluoranthene	500	100	100	JH	0.11	0.021	0.13	U	0.13	0.025	2.1	JH	0.1	0.02
Fluorene	500	100	30	J	0.18	0.018	0.22	U	0.22	0.021	0.11	J	0.18	0.017
Hexachlorobenzene	6	1.2	0.33	U	0.11	0.021	0.13	U	0.13	0.025	0.1	U	0.1	0.02
Hexachlorobutadiene	NC	NC	NC	U	0.18	0.027	0.22	U	0.22	0.032	0.18	U	0.18	0.026
Hexachlorocyclopentadiene	NC	NC	NC	U	0.53	0.17	0.63	U	0.63	0.2	0.5	U	0.5	0.16
Hexachloroethane	NC	NC	NC	U	0.15	0.03	0.18	U	0.18	0.036	0.14	U	0.14	0.028
Indeno(1,2,3-cd)pyrene	5.6	0.5	0.5	JH	0.15	0.026	0.18	U	0.18	0.031	**0.91**	**JH**	**0.14**	**0.024**
Isophorone	NC	NC	NC	U	0.17	0.024	0.2	U	0.2	0.028	0.16	U	0.16	0.023
n-Nitrosodi-n-propylamine	NC	NC	NC	U	0.18	0.028	0.22	U	0.22	0.034	0.18	U	0.18	0.027
Naphthalene	500	100	12	JH	0.18	0.022	0.22	U	0.22	0.027	0.18	U	0.18	0.021
NDPA/DPA	NC	NC	NC	U	0.15	0.021	0.18	U	0.18	0.025	0.14	U	0.14	0.02
Nitrobenzene	69	15	NC	JH	0.17	0.027	0.2	U	0.2	0.032	0.16	U	0.16	0.026
p-Chloro-m-cresol	NC	NC	NC	U	0.18	0.028	0.22	U	0.22	0.033	0.18	U	0.18	0.026
Pentachlorophenol	6.7	6.7	0.8	U	0.15	0.041	0.18	U	0.18	0.048	0.14	U	0.14	0.038
Phenanthrene	500	100	100		0.11	0.022	0.13	U	0.13	0.027	1.4		0.1	0.021
Phenol	500	100	0.33	JH	0.18	0.028	0.22	U	0.22	0.033	0.18	U	0.18	0.026
Pyrene	500	100	100	U	0.11	0.018	0.13	U	0.13	0.022	1.9	U	0.1	0.017
Total SVOCs	NC	NC	NC	-	-	-	0.13	-	-	-	14.126	-	-	-
CHLORINATED HERBICIDES														
2,4,5-T	NC	NC	NC	U	0.186	0.00576	0.219	U	0.219	0.00679	0.173	U	0.173	0.00536
2,4,5-TP (Silvex)	500	100	3.8	U	0.186	0.00494	0.219	U	0.219	0.00582	0.173	U	0.173	0.0046
2,4-D	NC	NC	NC	U	0.186	0.0117	0.219	U	0.219	0.0138	0.173	U	0.173	0.0109

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	SP-8 (7-7.5')			SP-8 (9-9.5')				SP-9 (0-2')			
LAB ID:				L2035276-04			L2035276-05				L2035276-06			
COLLECTION DATE:				8/26/2020			8/26/2020				8/26/2020			
SAMPLE MATRIX:				SOIL			SOIL				SOIL			
				Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
ORGANOCHLORINE PESTICIDES														
4,4'-DDD	92	13	0.0033	U	0.00173	0.000618	0.0021	U	0.0021	0.000751	0.00132	J	0.00164	0.000584
4,4'-DDE	62	8.9	0.0033	U	0.00173	0.000401	0.0021	U	0.0021	0.000487	0.00164	U	0.00164	0.000379
4,4'-DDT	47	7.9	0.0033	U	0.00325	0.00139	*0.00395*	*U*	*0.00395*	*0.00169*	0.00195	JH	0.00307	0.00132
Aldrin	0.68	0.097	0.005	U	0.00173	0.00061	0.0021	U	0.0021	0.000741	0.00164	U	0.00164	0.000577
Alpha-BHC	3.4	0.48	0.02	U	0.000722	0.000205	0.000877	U	0.000877	0.000249	0.000682	U	0.000682	0.000194
Beta-BHC	3	0.36	0.036	U	0.00173	0.000657	0.0021	U	0.0021	0.000798	0.00164	U	0.00164	0.000621
Chlordane	NC	NC	NC	U	0.0144	0.00574	0.0175	U	0.0175	0.00698	0.0136	U	0.0136	0.00542
cis-Chlordane	24	4.2	0.094	U	0.00217	0.000604	0.00263	U	0.00263	0.000734	0.00205	U	0.00205	0.00057
Delta-BHC	500	100	0.04	U	0.00173	0.00034	0.0021	U	0.0021	0.000412	0.00164	U	0.00164	0.000321
Dieldrin	1.4	0.2	0.005	U	0.00108	0.000542	0.00132	U	0.00132	0.000658	0.00102	U	0.00102	0.000512
Endosulfan I	200	24	2.4	U	0.00173	0.00041	0.0021	U	0.0021	0.000498	0.00164	U	0.00164	0.000387
Endosulfan II	200	24	2.4	U	0.00173	0.000579	0.0021	U	0.0021	0.000704	0.00164	U	0.00164	0.000547
Endosulfan sulfate	200	24	2.4	U	0.000722	0.000344	0.000877	U	0.000877	0.000418	0.000682	U	0.000682	0.000325
Endrin	89	11	0.014	U	0.000722	0.000296	0.000877	U	0.000877	0.00036	0.000682	U	0.000682	0.00028
Endrin aldehyde	NC	NC	NC	U	0.00217	0.000758	0.00263	U	0.00263	0.000921	0.00205	U	0.00205	0.000716
Endrin ketone	NC	NC	NC	U	0.00173	0.000446	0.0021	U	0.0021	0.000542	0.00164	U	0.00164	0.000422
Heptachlor	15	2.1	0.042	U	0.000867	0.000389	0.00105	U	0.00105	0.000472	0.000819	U	0.000819	0.000367
Heptachlor epoxide	NC	NC	NC	U	0.00325	0.000975	0.00395	U	0.00395	0.00118	0.00307	U	0.00307	0.000921
Lindane	9.2	1.3	0.1	U	0.000722	0.000323	0.000877	U	0.000877	0.000392	0.000682	U	0.000682	0.000305
Methoxychlor	NC	NC	NC	U	0.00325	0.00101	0.00395	U	0.00395	0.00123	0.00307	U	0.00307	0.000955
Toxaphene	NC	NC	NC	U	0.0325	0.0091	0.0395	U	0.0395	0.011	0.0307	U	0.0307	0.0086
trans-Chlordane	NC	NC	NC	U	0.00217	0.000572	0.00263	U	0.00263	0.000695	0.00205	U	0.00205	0.00054
POLYCHLORINATED BIPHENYLS														
Aroclor 1016	1	1	0.1	U	0.0368	0.00327	0.0439	U	0.0439	0.0039	0.0346	U	0.0346	0.00307
Aroclor 1221	1	1	0.1	U	0.0368	0.00369	0.0439	U	0.0439	0.0044	0.0346	U	0.0346	0.00347
Aroclor 1232	1	1	0.1	U	0.0368	0.00781	0.0439	U	0.0439	0.00931	0.0346	U	0.0346	0.00734
Aroclor 1242	1	1	0.1	U	0.0368	0.00496	0.0439	U	0.0439	0.00592	0.0346	U	0.0346	0.00466
Aroclor 1248	1	1	0.1	U	0.0368	0.00552	0.0439	U	0.0439	0.00659	0.0346	U	0.0346	0.00519
Aroclor 1254	1	1	0.1	U	0.0368	0.00403	0.0439	U	0.0439	0.0048	0.0346	U	0.0346	0.00379
Aroclor 1260	1	1	0.1	U	0.0368	0.00681	0.0439	U	0.0439	0.00812	0.00943	J	0.0346	0.0064
Aroclor 1262	1	1	0.1	U	0.0368	0.00468	0.0439	U	0.0439	0.00558	0.0346	U	0.0346	0.0044
Aroclor 1268	1	1	0.1	U	0.0368	0.00382	0.0439	U	0.0439	0.00455	0.00563	J	0.0346	0.00358
PCBs, Total	1	1	0.1	U	0.0368	0.00327	0.0439	U	0.0439	0.0039	0.0151	J	0.0346	0.00307

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	SP-8 (7-7.5')			SP-8 (9-9.5')				SP-9 (0-2')			
LAB ID:				L2035276-04			L2035276-05				L2035276-06			
COLLECTION DATE:				8/26/2020			8/26/2020				8/26/2020			
SAMPLE MATRIX:				SOIL			SOIL				SOIL			
				Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
TOTAL METALS														
Aluminum, Total	NC	NC	NC	U	8.47	2.29	6210	JH	10.4	2.8	3100	JH	8.05	2.17
Antimony, Total	NC	NC	NC	U	4.23	0.322	5.18	U	5.18	0.394	0.901	JH	4.02	0.306
Arsenic, Total	16	16	13		0.847	0.176	1.04	U	1.04	0.215	12.3		0.805	0.167
Barium, Total	400	400	350	JH	0.847	0.147	24.3	U	1.04	0.18	100	JH	0.805	0.14
Beryllium, Total	590	72	7.2	JH	0.423	0.028	0.518	JH	0.518	0.034	0.402	JH	0.402	0.027
Cadmium, Total	9.3	4.3	2.5	J	0.847	0.083	1.04	U	1.04	0.101	0.579	J	0.805	0.079
Calcium, Total	NC	NC	NC		8.47	2.96	1900		10.4	3.62	16700		8.05	2.82
Chromium, Total	NC	NC	NC	JH	0.847	0.081	10.9	JH	1.04	0.099	13	JH	0.805	0.077
Cobalt, Total	NC	NC	NC		1.69	0.14	2.28		2.07	0.172	9.15		1.61	0.134
Copper, Total	270	270	50		0.847	0.218	4.73		1.04	0.267	**87.6**		**0.805**	**0.208**
Iron, Total	NC	NC	NC	JH	4.23	0.765	5040	U	5.18	0.935	13200	JH	4.02	0.727
Lead, Total	1000	400	63		**4.23**	**0.227**	8.54		5.18	0.278	**183**		**4.02**	**0.216**
Magnesium, Total	NC	NC	NC		8.47	1.3	1370		10.4	1.59	10300		8.05	1.24
Manganese, Total	10000	2000	1600		0.847	0.135	46.8		1.04	0.165	242		0.805	0.128
Mercury, Total	2.8	0.81	0.18		**0.356**	**0.232**	0.099	U	0.099	0.065	**0.415**		**0.068**	**0.044**
Nickel, Total	310	310	30		2.12	0.205	6.56		2.59	0.251	29		2.01	0.195
Potassium, Total	NC	NC	NC		212	12.2	643		259	14.9	804		201	11.6
Selenium, Total	1500	180	3.9	J	1.69	0.218	2.07	U	2.07	0.267	1.61	U	1.61	0.208
Silver, Total	1500	180	2	U	0.847	0.24	1.04	U	1.04	0.293	0.805	U	0.805	0.228
Sodium, Total	NC	NC	NC	J	169	2.67	72.2	J	207	3.26	74.4	J	161	2.53
Thallium, Total	NC	NC	NC	U	1.69	0.267	2.07	U	2.07	0.326	1.61	U	1.61	0.253
Vanadium, Total	NC	NC	NC		0.847	0.172	8.22		1.04	0.21	20.5		0.805	0.163
Zinc, Total	10000	10000	109		4.23	0.248	19		5.18	0.303	**587**		**4.02**	**0.236**
PERFLUORINATED ALKYL ACIDS														
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NC	NC	NC		-	-	-		-	-	-		-	-
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NC	NC	NC		-	-	-		-	-	-		-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NC	NC	NC		-	-	-		-	-	-		-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NC	NC	NC		-	-	-		-	-	-		-	-
Perfluorobutanesulfonic Acid (PFBS)	NC	NC	NC		-	-	-		-	-	-		-	-
Perfluorobutanoic Acid (PFBA)	NC	NC	NC		-	-	-		-	-	-		-	-
Perfluorodecanesulfonic Acid (PFDS)	NC	NC	NC		-	-	-		-	-	-		-	-
Perfluorodecanoic Acid (PFDA)	NC	NC	NC		-	-	-		-	-	-		-	-
Perfluorododecanoic Acid (PFDoA)	NC	NC	NC		-	-	-		-	-	-		-	-
Perfluoroheptanesulfonic Acid (PFHpS)	NC	NC	NC		-	-	-		-	-	-		-	-
Perfluoroheptanoic Acid (PFHpA)	NC	NC	NC		-	-	-		-	-	-		-	-
Perfluorohexanesulfonic Acid (PFHxS)	NC	NC	NC		-	-	-		-	-	-		-	-
Perfluorohexanoic Acid (PFHxA)	NC	NC	NC		-	-	-		-	-	-		-	-
Perfluorononanoic Acid (PFNA)	NC	NC	NC		-	-	-		-	-	-		-	-
Perfluorooctanesulfonamide (FOSA)	NC	NC	NC		-	-	-		-	-	-		-	-
Perfluorooctanesulfonic Acid (PFOS)	440	44	0.88		-	-	-		-	-	-		-	-
Perfluorooctanoic Acid (PFOA)	500	33	0.66		-	-	-		-	-	-		-	-
Perfluoropentanoic Acid (PFPeA)	NC	NC	NC		-	-	-		-	-	-		-	-
Perfluorotetradecanoic Acid (PFTA)	NC	NC	NC		-	-	-		-	-	-		-	-
Perfluorotridecanoic Acid (PFTrDA)	NC	NC	NC		-	-	-		-	-	-		-	-
Perfluoroundecanoic Acid (PFUnA)	NC	NC	NC		-	-	-		-	-	-		-	-

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	SP-9 (6.5-7.0')				SP-10 (0-2')				SP-10 (7.5-8')				SP-10 (9.5-10')				20200826DUP			
LAB ID:				L2035276-07				L2035276-09				L2035276-10				L2035276-11				L2035276-12			
COLLECTION DATE:				8/26/2020				8/26/2020				8/26/2020				8/26/2020				8/26/2020			
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL			
				Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANIC COMPOUNDS																							
1,1,1,2-Tetrachloroethane	NC	NC	NC	0.0005	U	0.0005	0.00013	0.00094	U	0.00094	0.00025	0.00054	U	0.00054	0.00014	0.00065	U	0.00065	0.00017	0.00056	U	0.00056	0.00015
1,1,1-Trichloroethane	500	100	0.68	0.0005	U	0.0005	0.00017	0.00094	U	0.00094	0.00031	0.00054	U	0.00054	0.00018	0.00065	U	0.00065	0.00022	0.00056	U	0.00056	0.00018
1,1,2,2-Tetrachloroethane	NC	NC	NC	0.0005	U	0.0005	0.00016	0.00094	U	0.00094	0.00031	0.00054	U	0.00054	0.00018	0.00065	U	0.00065	0.00022	0.00056	U	0.00056	0.00018
1,1,2-Trichloroethane	NC	NC	NC	0.001	U	0.001	0.00026	0.0019	U	0.0019	0.0005	0.0011	U	0.0011	0.00029	0.0013	U	0.0013	0.00035	0.0011	U	0.0011	0.0003
1,1-Dichloroethane	240	26	0.27	0.001	U	0.001	0.00014	0.0019	U	0.0019	0.00027	0.0011	U	0.0011	0.00016	0.0013	U	0.0013	0.00019	0.0011	U	0.0011	0.00016
1,1-Dichloroethene	500	100	0.33	0.001	R	0.001	0.00024	0.0019	JH	0.0019	0.00044	0.0011	UJ	0.0011	0.00026	0.0013	UJ	0.0013	0.00031	0.0011	J	0.0011	0.00026
1,1-Dichloropropene	NC	NC	NC	0.0005	U	0.0005	0.00016	0.00094	U	0.00094	0.0003	0.00054	U	0.00054	0.00017	0.00065	U	0.00065	0.00021	0.00056	U	0.00056	0.00018
1,2,3-Trichlorobenzene	NC	NC	NC	0.002	U	0.002	0.00032	0.0037	U	0.0037	0.0006	0.0022	U	0.0022	0.00035	0.0026	U	0.0026	0.00042	0.0022	U	0.0022	0.00036
1,2,3-Trichloropropane	NC	NC	NC	0.002	U	0.002	0.00013	0.0037	U	0.0037	0.00024	0.0022	U	0.0022	0.00014	0.0026	U	0.0026	0.00017	0.0022	U	0.0022	0.00014
1,2,4,5-Tetramethylbenzene	NC	NC	NC	0.002	U	0.002	0.00019	0.0037	U	0.0037	0.00036	0.0022	U	0.0022	0.00021	0.0026	U	0.0026	0.00025	0.0022	U	0.0022	0.00021
1,2,4-Trichlorobenzene	NC	NC	NC	0.002	U	0.002	0.00027	0.0037	U	0.0037	0.00051	0.0022	U	0.0022	0.0003	0.0026	U	0.0026	0.00036	0.0022	U	0.0022	0.0003
1,2,4-Trimethylbenzene	190	52	3.6	0.002	U	0.002	0.00033	0.0037	U	0.0037	0.00062	0.0022	U	0.0022	0.00036	0.0026	U	0.0026	0.00044	0.0022	U	0.0022	0.00037
1,2-Dibromo-3-chloropropane	NC	NC	NC	0.003	U	0.003	0.00099	0.0056	U	0.0056	0.0019	0.0033	U	0.0033	0.0011	0.0039	U	0.0039	0.0013	0.0033	U	0.0033	0.0011
1,2-Dibromoethane	NC	NC	NC	0.001	U	0.001	0.00028	0.0019	U	0.0019	0.00052	0.0011	U	0.0011	0.0003	0.0013	U	0.0013	0.00036	0.0011	U	0.0011	0.00031
1,2-Dichlorobenzene	500	100	1.1	0.002	U	0.002	0.00014	0.0037	U	0.0037	0.00027	0.0022	U	0.0022	0.00016	0.0026	U	0.0026	0.00019	0.0022	U	0.0022	0.00016
1,2-Dichloroethane	30	3.1	0.02	0.001	U	0.001	0.00026	0.0019	U	0.0019	0.00048	0.0011	U	0.0011	0.00028	0.0013	U	0.0013	0.00034	0.0011	U	0.0011	0.00028
1,2-Dichloroethene, Total	NC	NC	NC	0.001	U	0.001	0.00014	0.0019	U	0.0019	0.00026	0.0011	U	0.0011	0.00015	0.0013	U	0.0013	0.00018	0.0011	U	0.0011	0.00015
1,2-Dichloropropane	NC	NC	NC	0.001	U	0.001	0.00012	0.0019	U	0.0019	0.00023	0.0011	U	0.0011	0.00014	0.0013	U	0.0013	0.00016	0.0011	U	0.0011	0.00014
1,3,5-Trimethylbenzene	190	52	8.4	0.002	U	0.002	0.00019	0.0037	U	0.0037	0.00036	0.0022	U	0.0022	0.00021	0.0026	U	0.0026	0.00025	0.0022	U	0.0022	0.00021
1,3-Dichlorobenzene	280	49	2.4	0.002	U	0.002	0.00015	0.0037	U	0.0037	0.00028	0.0022	U	0.0022	0.00016	0.0026	U	0.0026	0.00019	0.0022	U	0.0022	0.00016
1,3-Dichloropropane	NC	NC	NC	0.002	U	0.002	0.00017	0.0037	U	0.0037	0.00031	0.0022	U	0.0022	0.00018	0.0026	U	0.0026	0.00022	0.0022	U	0.0022	0.00018
1,3-Dichloropropene, Total	NC	NC	NC	0.0005	U	0.0005	0.00016	0.00094	U	0.00094	0.0003	0.00054	U	0.00054	0.00017	0.00065	U	0.00065	0.00021	0.00056	U	0.00056	0.00018
1,4-Dichlorobenzene	130	13	1.8	0.002	U	0.002	0.00017	0.0037	U	0.0037	0.00032	0.0022	U	0.0022	0.00019	0.0026	U	0.0026	0.00022	0.0022	U	0.0022	0.00019
1,4-Dioxane	130	13	0.1	0.08	UJ	0.08	0.035	*0.15*	*JL*	*0.15*	*0.066*	0.087	UJ	0.087	0.038	*0.1*	*UJ*	*0.1*	*0.046*	0.089	J	0.089	0.039
2,2-Dichloropropane	NC	NC	NC	0.002	U	0.002	0.0002	0.0037	U	0.0037	0.00038	0.0022	U	0.0022	0.00022	0.0026	U	0.0026	0.00026	0.0022	U	0.0022	0.00022
2-Butanone	500	100	0.12	0.01	U	0.01	0.0022	0.019	U	0.019	0.0042	0.011	U	0.011	0.0024	0.013	U	0.013	0.0029	0.011	U	0.011	0.0025
2-Hexanone	NC	NC	NC	0.01	U	0.01	0.0012	0.019	U	0.019	0.0022	0.011	U	0.011	0.0013	0.013	U	0.013	0.0015	0.011	U	0.011	0.0013
4-Methyl-2-pentanone	NC	NC	NC	0.01	U	0.01	0.0013	0.019	U	0.019	0.0024	0.011	U	0.011	0.0014	0.013	U	0.013	0.0017	0.011	U	0.011	0.0014
Acetone	500	100	0.05	0.01	U	0.01	0.0048	0.019	U	0.019	0.009	0.011	U	0.011	0.0052	0.013	U	0.013	0.0063	0.011	U	0.011	0.0053
Acrylonitrile	NC	NC	NC	0.004	U	0.004	0.0011	0.0075	U	0.0075	0.0022	0.0044	U	0.0044	0.0012	0.0052	U	0.0052	0.0015	0.0044	U	0.0044	0.0013
Benzene	44	4.8	0.06	0.0005	U	0.0005	0.00016	0.00094	U	0.00094	0.00031	0.00021	J	0.00054	0.00018	0.00065	U	0.00065	0.00022	0.00056	U	0.00056	0.00018
Bromobenzene	NC	NC	NC	0.002	U	0.002	0.00014	0.0037	U	0.0037	0.00027	0.0022	U	0.0022	0.00016	0.0026	U	0.0026	0.00019	0.0022	U	0.0022	0.00016
Bromochloromethane	NC	NC	NC	0.002	U	0.002	0.0002	0.0037	U	0.0037	0.00038	0.0022	U	0.0022	0.00022	0.0026	U	0.0026	0.00027	0.0022	U	0.0022	0.00023
Bromodichloromethane	NC	NC	NC	0.0005	U	0.0005	0.00011	0.00094	U	0.00094	0.0002	0.00054	U	0.00054	0.00012	0.00065	U	0.00065	0.00014	0.00056	U	0.00056	0.00012
Bromoform	NC	NC	NC	0.004	U	0.004	0.00024	0.0075	U	0.0075	0.00046	0.0044	U	0.0044	0.00027	0.0052	U	0.0052	0.00032	0.0044	U	0.0044	0.00027
Bromomethane	NC	NC	NC	0.002	U	0.002	0.00058	0.0037	U	0.0037	0.0011	0.0022	U	0.0022	0.00063	0.0026	U	0.0026	0.00076	0.0022	U	0.0022	0.00064
Carbon disulfide	NC	NC	NC	0.01	UJ	0.01	0.0045	0.019	JH	0.019	0.0085	0.011	UJ	0.011	0.005	0.013	UJ	0.013	0.006	0.011	J	0.011	0.005
Carbon tetrachloride	22	2.4	0.76	0.001	U	0.001	0.00023	0.0019	U	0.0019	0.00043	0.0011	U	0.0011	0.00025	0.0013	U	0.0013	0.0003	0.0011	U	0.0011	0.00026
Chlorobenzene	500	100	1.1	0.0005	U	0.0005	0.00013	0.00094	U	0.00094	0.00024	0.00054	U	0.00054	0.00014	0.00065	U	0.00065	0.00017	0.00056	U	0.00056	0.00014
Chloroethane	NC	NC	NC	0.002	U	0.002	0.00045	0.0037	U	0.0037	0.00085	0.0022	U	0.0022	0.00049	0.0026	U	0.0026	0.00059	0.0022	U	0.0022	0.0005

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	SP-9 (6.5-7.0')				SP-10 (0-2')				SP-10 (7.5-8')				SP-10 (9.5-10')				20200826DUP			
LAB ID:				L2035276-07				L2035276-09				L2035276-10				L2035276-11				L2035276-12			
COLLECTION DATE:				8/26/2020				8/26/2020				8/26/2020				8/26/2020				8/26/2020			
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL			
				Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Chloroform	350	49	0.37	0.0015	U	0.0015	0.00014	0.0028	U	0.0028	0.00026	0.0016	U	0.0016	0.00015	0.002	U	0.002	0.00018	0.0017	U	0.0017	0.00016
Chloromethane	NC	NC	NC	0.004	U	0.004	0.00093	0.0075	U	0.0075	0.0017	0.0044	U	0.0044	0.001	0.0052	U	0.0052	0.0012	0.0044	U	0.0044	0.001
cis-1,2-Dichloroethene	500	100	0.25	0.001	U	0.001	0.00017	0.0019	U	0.0019	0.00033	0.0011	U	0.0011	0.00019	0.0013	U	0.0013	0.00023	0.0011	U	0.0011	0.00019
cis-1,3-Dichloropropene	NC	NC	NC	0.0005	U	0.0005	0.00016	0.00094	U	0.00094	0.0003	0.00054	U	0.00054	0.00017	0.00065	U	0.00065	0.00021	0.00056	U	0.00056	0.00018
Dibromochloromethane	NC	NC	NC	0.001	U	0.001	0.00014	0.0019	U	0.0019	0.00026	0.0011	U	0.0011	0.00015	0.0013	U	0.0013	0.00018	0.0011	U	0.0011	0.00016
Dibromomethane	NC	NC	NC	0.002	U	0.002	0.00024	0.0037	U	0.0037	0.00044	0.0022	U	0.0022	0.00026	0.0026	U	0.0026	0.00031	0.0022	U	0.0022	0.00026
Dichlorodifluoromethane	NC	NC	NC	0.01	U	0.01	0.00091	0.019	U	0.019	0.0017	0.011	U	0.011	0.001	0.013	U	0.013	0.0012	0.011	U	0.011	0.001
Ethyl ether	NC	NC	NC	0.002	U	0.002	0.00034	0.0037	U	0.0037	0.00064	0.0022	U	0.0022	0.00037	0.0026	U	0.0026	0.00045	0.0022	U	0.0022	0.00038
Ethylbenzene	390	41	1	0.001	U	0.001	0.00014	0.0019	U	0.0019	0.00026	0.0011	U	0.0011	0.00015	0.0013	U	0.0013	0.00018	0.0011	U	0.0011	0.00016
Hexachlorobutadiene	NC	NC	NC	0.004	U	0.004	0.00017	0.0075	U	0.0075	0.00032	0.0044	U	0.0044	0.00018	0.0052	U	0.0052	0.00022	0.0044	U	0.0044	0.00019
Isopropylbenzene	NC	NC	NC	0.001	U	0.001	0.00011	0.0019	U	0.0019	0.0002	0.0011	U	0.0011	0.00012	0.0013	U	0.0013	0.00014	0.0011	U	0.0011	0.00012
Methyl tert butyl ether	500	100	0.93	0.002	U	0.002	0.0002	0.0037	U	0.0037	0.00038	0.0022	U	0.0022	0.00022	0.0026	U	0.0026	0.00026	0.0022	U	0.0022	0.00022
Methylene chloride	500	100	0.05	0.005	U	0.005	0.0023	0.0094	U	0.0094	0.0043	0.0054	U	0.0054	0.0025	0.0065	U	0.0065	0.003	0.0056	U	0.0056	0.0025
n-Butylbenzene	500	100	12	0.001	U	0.001	0.00017	0.0019	U	0.0019	0.00031	0.0011	U	0.0011	0.00018	0.0013	U	0.0013	0.00022	0.0011	U	0.0011	0.00018
n-Propylbenzene	500	100	3.9	0.001	U	0.001	0.00017	0.0019	U	0.0019	0.00032	0.0011	U	0.0011	0.00019	0.0013	U	0.0013	0.00022	0.0011	U	0.0011	0.00019
Naphthalene	500	100	12	0.004	U	0.004	0.00065	0.0075	U	0.0075	0.0012	0.0044	U	0.0044	0.00071	0.0052	U	0.0052	0.00085	0.0044	U	0.0044	0.00072
o-Chlorotoluene	NC	NC	NC	0.002	U	0.002	0.00019	0.0037	U	0.0037	0.00036	0.0022	U	0.0022	0.00021	0.0026	U	0.0026	0.00025	0.0022	U	0.0022	0.00021
o-Xylene	NC	NC	NC	0.001	U	0.001	0.00029	0.0019	U	0.0019	0.00054	0.0011	U	0.0011	0.00032	0.0013	U	0.0013	0.00038	0.0011	U	0.0011	0.00032
p-Chlorotoluene	NC	NC	NC	0.002	U	0.002	0.00011	0.0037	U	0.0037	0.0002	0.0022	U	0.0022	0.00012	0.0026	U	0.0026	0.00014	0.0022	U	0.0022	0.00012
p-Diethylbenzene	NC	NC	NC	0.002	U	0.002	0.00018	0.0037	U	0.0037	0.00033	0.0022	U	0.0022	0.00019	0.0026	U	0.0026	0.00023	0.0022	U	0.0022	0.0002
p-Ethyltoluene	NC	NC	NC	0.002	U	0.002	0.00038	0.0037	U	0.0037	0.00072	0.0022	U	0.0022	0.00042	0.0026	U	0.0026	0.0005	0.0022	U	0.0022	0.00043
p-Isopropyltoluene	NC	NC	NC	0.001	U	0.001	0.00011	0.0019	U	0.0019	0.0002	0.0011	U	0.0011	0.00012	0.0013	U	0.0013	0.00014	0.0011	U	0.0011	0.00012
p/m-Xylene	NC	NC	NC	0.002	U	0.002	0.00056	0.0037	U	0.0037	0.001	0.0022	U	0.0022	0.00061	0.0026	U	0.0026	0.00073	0.0022	U	0.0022	0.00062
sec-Butylbenzene	500	100	11	0.001	U	0.001	0.00014	0.0019	U	0.0019	0.00027	0.0011	U	0.0011	0.00016	0.0013	U	0.0013	0.00019	0.0011	U	0.0011	0.00016
Styrene	NC	NC	NC	0.001	U	0.001	0.0002	0.0019	U	0.0019	0.00037	0.0011	U	0.0011	0.00021	0.0013	U	0.0013	0.00026	0.00063	J	0.0011	0.00022
tert-Butylbenzene	500	100	5.9	0.002	U	0.002	0.00012	0.0037	U	0.0037	0.00022	0.0022	U	0.0022	0.00013	0.0026	U	0.0026	0.00015	0.0022	U	0.0022	0.00013
Tetrachloroethene	150	19	1.3	0.0005	U	0.0005	0.0002	0.00094	U	0.00094	0.00037	0.00054	U	0.00054	0.00021	0.00065	U	0.00065	0.00026	0.00056	U	0.00056	0.00022
Toluene	500	100	0.7	0.001	U	0.001	0.00054	0.0019	U	0.0019	0.001	0.0011	U	0.0011	0.00059	0.0013	U	0.0013	0.00071	0.0011	U	0.0011	0.0006
trans-1,2-Dichloroethene	500	100	0.19	0.0015	U	0.0015	0.00014	0.0028	U	0.0028	0.00026	0.0016	U	0.0016	0.00015	0.002	U	0.002	0.00018	0.0017	U	0.0017	0.00015
trans-1,3-Dichloropropene	NC	NC	NC	0.001	U	0.001	0.00027	0.0019	U	0.0019	0.00051	0.0011	U	0.0011	0.0003	0.0013	U	0.0013	0.00036	0.0011	U	0.0011	0.0003
trans-1,4-Dichloro-2-butene	NC	NC	NC	0.005	U	0.005	0.0014	0.0094	U	0.0094	0.0026	0.0054	U	0.0054	0.0015	0.0065	U	0.0065	0.0018	0.0056	U	0.0056	0.0016
Trichloroethene	200	21	0.47	0.0005	U	0.0005	0.00014	0.00094	U	0.00094	0.00026	0.00054	U	0.00054	0.00015	0.00065	U	0.00065	0.00018	0.00056	U	0.00056	0.00015
Trichlorofluoromethane	NC	NC	NC	0.004	U	0.004	0.00069	0.0075	U	0.0075	0.0013	0.0044	U	0.0044	0.00076	0.0052	U	0.0052	0.00091	0.0044	U	0.0044	0.00077
Vinyl acetate	NC	NC	NC	0.01	U	0.01	0.0021	0.019	U	0.019	0.004	0.011	U	0.011	0.0023	0.013	U	0.013	0.0028	0.011	U	0.011	0.0024
Vinyl chloride	13	0.9	0.02	0.001	U	0.001	0.00033	0.0019	U	0.0019	0.00063	0.0011	U	0.0011	0.00036	0.0013	U	0.0013	0.00044	0.0011	U	0.0011	0.00037
Xylenes, Total	500	100	0.26	0.001	U	0.001	0.00029	0.0019	U	0.0019	0.00054	0.0011	U	0.0011	0.00032	0.0013	U	0.0013	0.00038	0.0011	U	0.0011	0.00032
Total VOCs	NC	NC	NC	-	-	-	-	-	-	-	-	0.00021	-	-	-	-	-	-	-	0.00063	-	-	-

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	SP-9 (6.5-7.0')				SP-10 (0-2')				SP-10 (7.5-8')				SP-10 (9.5-10')				20200826DUP			
LAB ID:				L2035276-07				L2035276-09				L2035276-10				L2035276-11				L2035276-12			
COLLECTION DATE:				8/26/2020				8/26/2020				8/26/2020				8/26/2020				8/26/2020			
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL			
				Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
SEMIVOLATILE ORGANIC COMPOUNDS																							
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	0.19	U	0.19	0.02	0.17	U	0.17	0.018	0.18	U	0.18	0.019	0.18	U	0.18	0.019	0.19	U	0.19	0.02
1,2,4-Trichlorobenzene	NC	NC	NC	0.19	U	0.19	0.022	0.17	U	0.17	0.02	0.18	U	0.18	0.021	0.18	U	0.18	0.021	0.19	U	0.19	0.021
1,2-Dichlorobenzene	500	100	1.1	0.19	U	0.19	0.034	0.17	U	0.17	0.031	0.18	U	0.18	0.033	0.18	U	0.18	0.033	0.19	U	0.19	0.034
1,3-Dichlorobenzene	280	49	2.4	0.19	U	0.19	0.032	0.17	U	0.17	0.03	0.18	U	0.18	0.031	0.18	U	0.18	0.031	0.19	U	0.19	0.032
1,4-Dichlorobenzene	130	13	1.8	0.19	U	0.19	0.033	0.17	U	0.17	0.03	0.18	U	0.18	0.032	0.18	U	0.18	0.032	0.19	U	0.19	0.033
1,4-Dioxane	130	13	0.1	0.028	U	0.028	0.0087	0.026	U	0.026	0.0079	0.027	U	0.027	0.0084	0.027	U	0.027	0.0084	0.028	U	0.028	0.0086
2,4,5-Trichlorophenol	NC	NC	NC	0.19	U	0.19	0.036	0.17	U	0.17	0.033	0.18	U	0.18	0.035	0.18	U	0.18	0.035	0.19	U	0.19	0.036
2,4,6-Trichlorophenol	NC	NC	NC	0.11	U	0.11	0.036	0.1	U	0.1	0.033	0.11	U	0.11	0.035	0.11	U	0.11	0.035	0.11	U	0.11	0.036
2,4-Dichlorophenol	NC	NC	NC	0.17	U	0.17	0.03	0.16	U	0.16	0.028	0.16	U	0.16	0.029	0.16	U	0.16	0.029	0.17	U	0.17	0.03
2,4-Dimethylphenol	NC	NC	NC	0.19	U	0.19	0.062	0.17	U	0.17	0.057	0.18	U	0.18	0.06	0.18	U	0.18	0.06	0.19	U	0.19	0.062
2,4-Dinitrophenol	NC	NC	NC	0.91	U	0.91	0.088	0.83	U	0.83	0.08	0.88	U	0.88	0.085	0.88	U	0.88	0.085	0.9	U	0.9	0.087
2,4-Dinitrotoluene	NC	NC	NC	0.19	U	0.19	0.038	0.17	U	0.17	0.034	0.18	U	0.18	0.036	0.18	U	0.18	0.037	0.19	U	0.19	0.037
2,6-Dinitrotoluene	NC	NC	NC	0.19	U	0.19	0.032	0.17	U	0.17	0.03	0.18	U	0.18	0.031	0.18	U	0.18	0.031	0.19	U	0.19	0.032
2-Chloronaphthalene	NC	NC	NC	0.19	U	0.19	0.019	0.17	U	0.17	0.017	0.18	U	0.18	0.018	0.18	U	0.18	0.018	0.19	U	0.19	0.018
2-Chlorophenol	NC	NC	NC	0.19	U	0.19	0.022	0.17	U	0.17	0.02	0.18	U	0.18	0.022	0.18	U	0.18	0.022	0.19	U	0.19	0.022
2-Methylnaphthalene	NC	NC	NC	0.23	U	0.23	0.023	0.19	J	0.21	0.021	0.092	J	0.22	0.022	0.22	U	0.22	0.022	0.22	U	0.22	0.023
2-Methylphenol	500	100	0.33	0.19	U	0.19	0.029	0.17	U	0.17	0.027	0.18	U	0.18	0.028	0.18	U	0.18	0.028	0.19	U	0.19	0.029
2-Nitroaniline	NC	NC	NC	0.19	U	0.19	0.036	0.17	U	0.17	0.033	0.18	U	0.18	0.035	0.18	U	0.18	0.035	0.19	U	0.19	0.036
2-Nitrophenol	NC	NC	NC	0.41	U	0.41	0.071	0.37	U	0.37	0.065	0.4	U	0.4	0.069	0.4	U	0.4	0.069	0.4	U	0.4	0.07
3,3'-Dichlorobenzidine	NC	NC	NC	0.19	U	0.19	0.05	0.17	U	0.17	0.046	0.18	U	0.18	0.049	0.18	U	0.18	0.049	0.19	U	0.19	0.05
3-Methylphenol/4-Methylphenol	500	100	0.33	0.27	U	0.27	0.03	0.25	U	0.25	0.027	0.26	U	0.26	0.029	0.26	U	0.26	0.029	0.27	U	0.27	0.029
3-Nitroaniline	NC	NC	NC	0.19	U	0.19	0.036	0.17	U	0.17	0.032	0.18	U	0.18	0.034	0.18	U	0.18	0.034	0.19	U	0.19	0.035
4,6-Dinitro-o-cresol	NC	NC	NC	0.49	U	0.49	0.091	0.45	U	0.45	0.083	0.48	U	0.48	0.088	0.48	U	0.48	0.088	0.49	U	0.49	0.09
4-Bromophenyl phenyl ether	NC	NC	NC	0.19	U	0.19	0.029	0.17	U	0.17	0.026	0.18	U	0.18	0.028	0.18	U	0.18	0.028	0.19	U	0.19	0.029
4-Chloroaniline	NC	NC	NC	0.19	U	0.19	0.034	0.17	U	0.17	0.031	0.18	U	0.18	0.033	0.18	U	0.18	0.033	0.19	U	0.19	0.034
4-Chlorophenyl phenyl ether	NC	NC	NC	0.19	U	0.19	0.02	0.17	U	0.17	0.018	0.18	U	0.18	0.02	0.18	U	0.18	0.02	0.19	U	0.19	0.02
4-Nitroaniline	NC	NC	NC	0.19	U	0.19	0.078	0.17	U	0.17	0.072	0.18	U	0.18	0.076	0.18	U	0.18	0.076	0.19	U	0.19	0.078
4-Nitrophenol	NC	NC	NC	0.26	U	0.26	0.077	0.24	U	0.24	0.07	0.26	U	0.26	0.075	0.26	U	0.26	0.075	0.26	U	0.26	0.076
Acenaphthene	500	100	20	0.034	J	0.15	0.02	0.2		0.14	0.018	0.28		0.15	0.019	0.15	U	0.15	0.019	0.15	U	0.15	0.019
Acenaphthylene	500	100	100	0.063	J	0.15	0.029	0.27		0.14	0.027	0.042	J	0.15	0.028	0.15	U	0.15	0.028	0.15	U	0.15	0.029
Acetophenone	NC	NC	NC	0.19	U	0.19	0.023	0.17	U	0.17	0.021	0.18	U	0.18	0.023	0.18	U	0.18	0.023	0.19	U	0.19	0.023
Anthracene	500	100	100	0.11		0.11	0.037	0.57		0.1	0.034	0.5		0.11	0.036	0.11	U	0.11	0.036	0.11	U	0.11	0.036
Benzo(a)anthracene	5.6	1	1	0.25	JH	0.11	0.021	2.6	JH	0.1	0.019	0.66	UJ	0.11	0.02	0.11	U	0.11	0.021	0.11	U	0.11	0.021
Benzo(a)pyrene	1	1	1	0.26	JH	0.15	0.046	2.8	JH	0.14	0.042	0.54	UJ	0.15	0.045	0.15	U	0.15	0.045	0.15	U	0.15	0.046
Benzo(b)fluoranthene	5.6	1	1	0.39	JH	0.11	0.032	3.6	JH	0.1	0.029	0.6	UJ	0.11	0.031	0.11	U	0.11	0.031	0.11	U	0.11	0.032
Benzo(ghi)perylene	500	100	100	0.16	JH	0.15	0.022	1.6	JH	0.14	0.02	0.28	UJ	0.15	0.022	0.15	U	0.15	0.022	0.15	U	0.15	0.022
Benzo(k)fluoranthene	56	3.9	0.8	0.16	JH	0.11	0.03	**1.2**	**JH**	**0.1**	**0.028**	0.21	UJ	0.11	0.029	0.11	U	0.11	0.029	0.11	U	0.11	0.03
Benzoic Acid	NC	NC	NC	0.61	U	0.61	0.19	0.56	U	0.56	0.17	0.59	U	0.59	0.18	0.59	U	0.59	0.18	0.61	U	0.61	0.19
Benzyl Alcohol	NC	NC	NC	0.19	U	0.19	0.058	0.17	U	0.17	0.053	0.18	U	0.18	0.056	0.18	U	0.18	0.056	0.19	U	0.19	0.057
Biphenyl	NC	NC	NC	0.43	U	0.43	0.044	0.39	U	0.39	0.04	0.42	U	0.42	0.042	0.42	U	0.42	0.042	0.43	U	0.43	0.043

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	SP-9 (6.5-7.0')				SP-10 (0-2')				SP-10 (7.5-8')				SP-10 (9.5-10')				20200826DUP			
LAB ID:				L2035276-07				L2035276-09				L2035276-10				L2035276-11				L2035276-12			
COLLECTION DATE:				8/26/2020				8/26/2020				8/26/2020				8/26/2020				8/26/2020			
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL			
				Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Bis(2-chloroethoxy)methane	NC	NC	NC	0.2	U	0.2	0.019	0.19	U	0.19	0.017	0.2	U	0.2	0.018	0.2	U	0.2	0.018	0.2	U	0.2	0.019
Bis(2-chloroethyl)ether	NC	NC	NC	0.17	U	0.17	0.026	0.16	U	0.16	0.023	0.16	U	0.16	0.025	0.16	U	0.16	0.025	0.17	U	0.17	0.025
Bis(2-chloroisopropyl)ether	NC	NC	NC	0.23	U	0.23	0.032	0.21	JH	0.21	0.03	0.22	UJ	0.22	0.031	0.22	U	0.22	0.031	0.22	U	0.22	0.032
Bis(2-ethylhexyl)phthalate	NC	NC	NC	0.19	U	0.19	0.065	0.17	U	0.17	0.06	0.18	U	0.18	0.063	0.18	U	0.18	0.063	0.19	U	0.19	0.065
Butyl benzyl phthalate	NC	NC	NC	0.19	U	0.19	0.048	0.17	U	0.17	0.044	0.18	U	0.18	0.046	0.18	U	0.18	0.046	0.19	U	0.19	0.047
Carbazole	NC	NC	NC	0.073	J	0.19	0.018	0.3		0.17	0.017	0.23		0.18	0.018	0.18	U	0.18	0.018	0.19	U	0.19	0.018
Chrysene	56	3.9	1	0.36	JH	0.11	0.02	**2.6**	**JH**	**0.1**	**0.018**	0.58	UJ	0.11	0.019	0.11	U	0.11	0.019	0.11	U	0.11	0.019
Di-n-butylphthalate	NC	NC	NC	0.19	U	0.19	0.036	0.17	U	0.17	0.033	0.18	U	0.18	0.035	0.18	U	0.18	0.035	0.19	U	0.19	0.036
Di-n-octylphthalate	NC	NC	NC	0.19	U	0.19	0.064	0.17	U	0.17	0.059	0.18	U	0.18	0.062	0.18	U	0.18	0.062	0.19	U	0.19	0.064
Dibenzo(a,h)anthracene	0.56	0.33	0.33	0.11	JH	0.11	0.022	**0.44**	**JH**	**0.1**	**0.02**	0.11	U	0.11	0.021	0.11	U	0.11	0.021	0.11	U	0.11	0.022
Dibenzofuran	350	59	7	0.037	J	0.19	0.018	0.14	J	0.17	0.016	0.17	J	0.18	0.017	0.18	U	0.18	0.017	0.19	U	0.19	0.018
Diethyl phthalate	NC	NC	NC	0.19	U	0.19	0.018	0.17	U	0.17	0.016	0.18	U	0.18	0.017	0.18	U	0.18	0.017	0.19	U	0.19	0.017
Dimethyl phthalate	NC	NC	NC	0.19	U	0.19	0.04	0.17	U	0.17	0.036	0.18	U	0.18	0.038	0.18	U	0.18	0.038	0.19	U	0.19	0.039
Fluoranthene	500	100	100	0.9	JH	0.11	0.022	4.8	JH	0.1	0.02	1.2	U	0.11	0.021	0.11	U	0.11	0.021	0.11	U	0.11	0.022
Fluorene	500	100	30	0.048	J	0.19	0.018	0.2		0.17	0.017	0.23		0.18	0.018	0.18	U	0.18	0.018	0.19	U	0.19	0.018
Hexachlorobenzene	6	1.2	0.33	0.11	U	0.11	0.021	0.1	U	0.1	0.019	0.11	U	0.11	0.02	0.11	U	0.11	0.02	0.11	U	0.11	0.021
Hexachlorobutadiene	NC	NC	NC	0.19	U	0.19	0.028	0.17	U	0.17	0.025	0.18	U	0.18	0.027	0.18	U	0.18	0.027	0.19	U	0.19	0.027
Hexachlorocyclopentadiene	NC	NC	NC	0.54	U	0.54	0.17	0.49	U	0.49	0.16	0.52	U	0.52	0.16	0.52	U	0.52	0.16	0.54	U	0.54	0.17
Hexachloroethane	NC	NC	NC	0.15	U	0.15	0.031	0.14	U	0.14	0.028	0.15	U	0.15	0.03	0.15	U	0.15	0.03	0.15	U	0.15	0.03
Indeno(1,2,3-cd)pyrene	5.6	0.5	0.5	0.17	JH	0.15	0.026	**1.8**	**JH**	**0.14**	**0.024**	0.29	UJ	0.15	0.025	0.15	U	0.15	0.026	0.15	U	0.15	0.026
Isophorone	NC	NC	NC	0.17	U	0.17	0.024	0.16	U	0.16	0.022	0.16	U	0.16	0.024	0.16	U	0.16	0.024	0.17	U	0.17	0.024
n-Nitrosodi-n-propylamine	NC	NC	NC	0.19	U	0.19	0.029	0.17	U	0.17	0.027	0.18	U	0.18	0.028	0.18	U	0.18	0.028	0.19	U	0.19	0.029
Naphthalene	500	100	12	0.19	U	0.19	0.023	0.18	JH	0.17	0.021	0.1	UJ	0.18	0.022	0.18	U	0.18	0.022	0.19	U	0.19	0.023
NDPA/DPA	NC	NC	NC	0.15	U	0.15	0.022	0.14	U	0.14	0.02	0.15	U	0.15	0.021	0.15	U	0.15	0.021	0.15	U	0.15	0.021
Nitrobenzene	69	15	NC	0.17	U	0.17	0.028	0.16	U	0.16	0.026	0.16	U	0.16	0.027	0.16	U	0.16	0.027	0.17	U	0.17	0.028
p-Chloro-m-cresol	NC	NC	NC	0.19	U	0.19	0.028	0.17	U	0.17	0.026	0.18	U	0.18	0.027	0.18	U	0.18	0.027	0.19	U	0.19	0.028
Pentachlorophenol	6.7	6.7	0.8	0.15	U	0.15	0.042	0.14	U	0.14	0.038	0.15	U	0.15	0.04	0.15	U	0.15	0.04	0.15	U	0.15	0.041
Phenanthrene	500	100	100	0.76		0.11	0.023	2.9		0.1	0.021	1.6		0.11	0.022	0.11	U	0.11	0.022	0.11	U	0.11	0.023
Phenol	500	100	0.33	0.19	U	0.19	0.028	0.17	U	0.17	0.026	0.18	U	0.18	0.028	0.18	U	0.18	0.028	0.19	U	0.19	0.028
Pyrene	500	100	100	0.67	JH	0.11	0.019	3.9	J	0.1	0.017	1.1		0.11	0.018	0.11	U	0.11	0.018	0.11	U	0.11	0.019
Total SVOCs	NC	NC	NC	4.479	-	-	-	30.29	-	-	-	8.779	-	-	-	-	-	-	-	-	-	-	-
CHLORINATED HERBICIDES																							
2,4,5-T	NC	NC	NC	0.186	U	0.186	0.00576	0.173	U	0.173	0.00538	0.18	U	0.18	0.00557	0.183	U	0.183	0.00567	0.188	U	0.188	0.00582
2,4,5-TP (Silvex)	500	100	3.8	0.186	U	0.186	0.00494	0.173	U	0.173	0.00461	0.18	U	0.18	0.00478	0.183	U	0.183	0.00486	0.188	U	0.188	0.00499
2,4-D	NC	NC	NC	0.186	U	0.186	0.0117	0.173	U	0.173	0.0109	0.18	U	0.18	0.0113	0.183	U	0.183	0.0115	0.188	U	0.188	0.0118

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	SP-9 (6.5-7.0')				SP-10 (0-2')				SP-10 (7.5-8')				SP-10 (9.5-10')				20200826DUP			
LAB ID:				L2035276-07				L2035276-09				L2035276-10				L2035276-11				L2035276-12			
COLLECTION DATE:				8/26/2020				8/26/2020				8/26/2020				8/26/2020				8/26/2020			
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL			
				Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
ORGANOCHLORINE PESTICIDES																							
4,4'-DDD	92	13	0.0033	0.00176	U	0.00176	0.000627	0.00164	U	0.00164	0.000585	0.00168	U	0.00168	0.0006	0.0017	U	0.0017	0.000606	0.00174	U	0.00174	0.00062
4,4'-DDE	62	8.9	0.0033	0.00176	U	0.00176	0.000407	0.00164	U	0.00164	0.000379	0.00168	U	0.00168	0.000389	0.0017	U	0.0017	0.000393	0.00174	U	0.00174	0.000402
4,4'-DDT	47	7.9	0.0033	*0.0033*	*U*	*0.0033*	*0.00141*	0.00307	U	0.00307	0.00132	0.00315	U	0.00315	0.00135	0.00318	U	0.00318	0.00136	0.00326	U	0.00326	0.0014
Aldrin	0.68	0.097	0.005	0.00176	U	0.00176	0.000619	0.00164	U	0.00164	0.000577	0.00168	U	0.00168	0.000592	0.0017	U	0.0017	0.000598	0.00174	U	0.00174	0.000612
Alpha-BHC	3.4	0.48	0.02	0.000733	U	0.000733	0.000208	0.000683	U	0.000683	0.000194	0.000701	U	0.000701	0.000199	0.000708	U	0.000708	0.000201	0.000725	U	0.000725	0.000206
Beta-BHC	3	0.36	0.036	0.00176	U	0.00176	0.000667	0.00164	U	0.00164	0.000622	0.00168	U	0.00168	0.000638	0.0017	U	0.0017	0.000644	0.00174	U	0.00174	0.000659
Chlordane	NC	NC	NC	0.0146	U	0.0146	0.00583	0.0137	U	0.0137	0.00543	0.014	U	0.014	0.00557	0.0142	U	0.0142	0.00562	0.0145	U	0.0145	0.00576
cis-Chlordane	24	4.2	0.094	0.0022	U	0.0022	0.000613	0.00205	U	0.00205	0.000571	0.0021	U	0.0021	0.000586	0.00212	U	0.00212	0.000592	0.00217	U	0.00217	0.000606
Delta-BHC	500	100	0.04	0.00176	U	0.00176	0.000344	0.00164	U	0.00164	0.000321	0.00168	U	0.00168	0.000329	0.0017	U	0.0017	0.000332	0.00174	U	0.00174	0.00034
Dieldrin	1.4	0.2	0.005	0.0011	U	0.0011	0.00055	0.00102	U	0.00102	0.000512	0.00105	U	0.00105	0.000526	0.00106	U	0.00106	0.000531	0.00109	U	0.00109	0.000543
Endosulfan I	200	24	2.4	0.00176	U	0.00176	0.000416	0.00164	U	0.00164	0.000387	0.00168	U	0.00168	0.000397	0.0017	U	0.0017	0.000401	0.00174	U	0.00174	0.000411
Endosulfan II	200	24	2.4	0.00176	U	0.00176	0.000588	0.00164	U	0.00164	0.000548	0.00168	U	0.00168	0.000562	0.0017	U	0.0017	0.000568	0.00174	U	0.00174	0.000581
Endosulfan sulfate	200	24	2.4	0.000733	U	0.000733	0.000349	0.000683	U	0.000683	0.000325	0.000701	U	0.000701	0.000334	0.000708	U	0.000708	0.000337	0.000725	U	0.000725	0.000345
Endrin	89	11	0.014	0.000733	U	0.000733	0.0003	0.000683	U	0.000683	0.00028	0.000701	U	0.000701	0.000287	0.000708	U	0.000708	0.00029	0.000725	U	0.000725	0.000297
Endrin aldehyde	NC	NC	NC	0.0022	U	0.0022	0.00077	0.00205	U	0.00205	0.000717	0.0021	U	0.0021	0.000736	0.00212	U	0.00212	0.000743	0.00217	U	0.00217	0.000761
Endrin ketone	NC	NC	NC	0.00176	U	0.00176	0.000453	0.00164	U	0.00164	0.000422	0.00168	U	0.00168	0.000433	0.0017	U	0.0017	0.000437	0.00174	U	0.00174	0.000448
Heptachlor	15	2.1	0.042	0.000879	U	0.000879	0.000394	0.00082	U	0.00082	0.000367	0.000841	U	0.000841	0.000377	0.000849	U	0.000849	0.000381	0.00087	U	0.00087	0.00039
Heptachlor epoxide	NC	NC	NC	0.0033	U	0.0033	0.000989	0.00307	U	0.00307	0.000922	0.00315	U	0.00315	0.000946	0.00318	U	0.00318	0.000955	0.00326	U	0.00326	0.000978
Lindane	9.2	1.3	0.1	0.000733	U	0.000733	0.000328	0.000683	U	0.000683	0.000305	0.000701	U	0.000701	0.000313	0.000708	U	0.000708	0.000316	0.000725	U	0.000725	0.000324
Methoxychlor	NC	NC	NC	0.0033	U	0.0033	0.00103	0.00307	U	0.00307	0.000956	0.00315	U	0.00315	0.000981	0.00318	U	0.00318	0.000991	0.00326	U	0.00326	0.00101
Toxaphene	NC	NC	NC	0.033	U	0.033	0.00923	0.0307	U	0.0307	0.00861	0.0315	U	0.0315	0.00883	0.0318	U	0.0318	0.00892	0.0326	U	0.0326	0.00913
trans-Chlordane	NC	NC	NC	0.0022	U	0.0022	0.00058	0.00205	U	0.00205	0.000541	0.0021	U	0.0021	0.000555	0.00212	U	0.00212	0.00056	0.00217	U	0.00217	0.000574
POLYCHLORINATED BIPHENYLS																							
Aroclor 1016	1	1	0.1	0.0378	U	0.0378	0.00336	0.0337	U	0.0337	0.00299	0.036	U	0.036	0.0032	0.036	U	0.036	0.0032	0.0369	U	0.0369	0.00327
Aroclor 1221	1	1	0.1	0.0378	U	0.0378	0.00379	0.0337	U	0.0337	0.00337	0.036	U	0.036	0.0036	0.036	U	0.036	0.00361	0.0369	U	0.0369	0.00369
Aroclor 1232	1	1	0.1	0.0378	U	0.0378	0.00802	0.0337	U	0.0337	0.00714	0.036	U	0.036	0.00763	0.036	U	0.036	0.00764	0.0369	U	0.0369	0.00781
Aroclor 1242	1	1	0.1	0.0378	U	0.0378	0.0051	0.0337	U	0.0337	0.00454	0.036	U	0.036	0.00485	0.036	U	0.036	0.00486	0.0369	U	0.0369	0.00497
Aroclor 1248	1	1	0.1	0.0378	U	0.0378	0.00568	0.0337	U	0.0337	0.00505	0.036	U	0.036	0.0054	0.036	U	0.036	0.00541	0.0369	U	0.0369	0.00553
Aroclor 1254	1	1	0.1	0.0378	U	0.0378	0.00414	0.0337	U	0.0337	0.00368	0.036	U	0.036	0.00394	0.036	U	0.036	0.00394	0.0369	U	0.0369	0.00403
Aroclor 1260	1	1	0.1	0.0378	U	0.0378	0.00699	0.0224	J	0.0337	0.00622	0.00677	J	0.036	0.00665	0.036	U	0.036	0.00666	0.0369	U	0.0369	0.00681
Aroclor 1262	1	1	0.1	0.0378	U	0.0378	0.0048	0.0337	U	0.0337	0.00428	0.036	U	0.036	0.00457	0.036	U	0.036	0.00458	0.0369	U	0.0369	0.00468
Aroclor 1268	1	1	0.1	0.0378	U	0.0378	0.00392	0.00903	J	0.0337	0.00349	0.036	U	0.036	0.00373	0.036	U	0.036	0.00373	0.0369	U	0.0369	0.00382
PCBs, Total	1	1	0.1	0.0378	U	0.0378	0.00336	0.0314	J	0.0337	0.00299	0.00677	J	0.036	0.0032	0.036	U	0.036	0.0032	0.0369	U	0.0369	0.00327

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	CSCO*	RRSCO*	UUSCO*	SP-9 (6.5-7.0')				SP-10 (0-2')				SP-10 (7.5-8')				SP-10 (9.5-10')				20200826DUP			
LAB ID:				L2035276-07				L2035276-09				L2035276-10				L2035276-11				L2035276-12			
COLLECTION DATE:				8/26/2020				8/26/2020				8/26/2020				8/26/2020				8/26/2020			
SAMPLE MATRIX:				SOIL				SOIL				SOIL				SOIL				SOIL			
				Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
TOTAL METALS																							
Aluminum, Total	NC	NC	NC	7050	U	8.77	2.37	1450	JH	8.22	2.22	3740	J	8.28	2.24	9150	UJ	8.52	2.3	8570		8.86	2.39
Antimony, Total	NC	NC	NC	3.89	JH	4.38	0.333	0.624	JH	4.11	0.312	4.14	U	4.14	0.315	4.26	U	4.26	0.324	4.43	U	4.43	0.336
Arsenic, Total	16	16	13	6.58		0.877	0.182	**13.4**		**0.822**	**0.171**	0.447	J	0.828	0.172	0.332	J	0.852	0.177	0.443	J	0.886	0.184
Barium, Total	400	400	350	80.6	U	0.877	0.152	115	JH	0.822	0.143	28.8	J	0.828	0.144	44.9	J	0.852	0.148	41.7	JH	0.886	0.154
Beryllium, Total	590	72	7.2	0.447	UJ	0.438	0.029	0.411	JH	0.411	0.027	0.414	J	0.414	0.027	0.426	J	0.426	0.028	0.328	JH	0.443	0.029
Cadmium, Total	9.3	4.3	2.5	0.535	J	0.877	0.086	0.501	J	0.822	0.081	0.174	J	0.828	0.081	0.852	U	0.852	0.083	0.886	U	0.886	0.087
Calcium, Total	NC	NC	NC	1850		8.77	3.07	30300		8.22	2.88	2340		8.28	2.9	901		8.52	2.98	827		8.86	3.1
Chromium, Total	NC	NC	NC	21.9	UJ	0.877	0.084	7.95	JH	0.822	0.079	7.85	J	0.828	0.08	23.5	J	0.852	0.082	20.2	JH	0.886	0.085
Cobalt, Total	NC	NC	NC	6.22		1.75	0.146	3.4		1.64	0.136	6.98		1.66	0.137	6.46		1.7	0.141	6.46		1.77	0.147
Copper, Total	270	270	50	38.7		0.877	0.226	33.4		0.822	0.212	12.5		0.828	0.214	16		0.852	0.22	14		0.886	0.228
Iron, Total	NC	NC	NC	33400	R	4.38	0.792	16200	JH	4.11	0.742	23800	J	4.14	0.748	10400	UJ	4.26	0.769	9740	JH	4.43	0.8
Lead, Total	1000	400	63	**169**		**4.38**	**0.235**	**144**		**4.11**	**0.22**	60.8		4.14	0.222	6.68		4.26	0.228	6.38		4.43	0.237
Magnesium, Total	NC	NC	NC	1610		8.77	1.35	16000		8.22	1.26	966		8.28	1.28	2910		8.52	1.31	2750		8.86	1.36
Manganese, Total	10000	2000	1600	310		0.877	0.139	150		0.822	0.131	303		0.828	0.132	74.5		0.852	0.135	70.4		0.886	0.141
Mercury, Total	2.8	0.81	0.18	**0.78**		**0.083**	**0.054**	0.151		0.066	0.043	**0.362**		**0.074**	**0.048**	0.085	U	0.085	0.055	0.087	U	0.087	0.057
Nickel, Total	310	310	30	13.4		2.19	0.212	12.8		2.05	0.199	10.4		2.07	0.2	13.4		2.13	0.206	12.6		2.21	0.214
Potassium, Total	NC	NC	NC	636		219	12.6	255		205	11.8	389		207	11.9	919		213	12.3	821		221	12.8
Selenium, Total	1500	180	3.9	1.75	U	1.75	0.226	1.64	U	1.64	0.212	0.224	J	1.66	0.214	1.7	U	1.7	0.22	1.77	U	1.77	0.228
Silver, Total	1500	180	2	0.877	U	0.877	0.248	0.822	U	0.822	0.232	0.828	U	0.828	0.234	0.852	U	0.852	0.241	0.886	U	0.886	0.251
Sodium, Total	NC	NC	NC	54	J	175	2.76	60.8	J	164	2.59	55.5	J	166	2.61	35.6	J	170	2.68	33.3	J	177	2.79
Thallium, Total	NC	NC	NC	1.75	U	1.75	0.276	1.64	U	1.64	0.259	1.66	U	1.66	0.261	1.7	U	1.7	0.268	1.77	U	1.77	0.279
Vanadium, Total	NC	NC	NC	29.4		0.877	0.178	11.9		0.822	0.167	13.4		0.828	0.168	19		0.852	0.173	18.4		0.886	0.18
Zinc, Total	10000	10000	109	**181**		**4.38**	**0.257**	**116**		**4.11**	**0.241**	30.7		4.14	0.243	40		4.26	0.25	37.1		4.43	0.259
PERFLUORINATED ALKYL ACIDS																							
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	UJ	0.501	0.288	0.524	JH	0.524	0.3
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	U	0.501	0.18	0.524	U	0.524	0.188
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	UJ	0.501	0.085	0.524	JH	0.524	0.089
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	UJ	0.501	0.202	0.524	J	0.524	0.211
Perfluorobutanesulfonic Acid (PFBS)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	U	0.501	0.039	0.524	U	0.524	0.041
Perfluorobutanoic Acid (PFBA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	U	0.501	0.023	0.524	U	0.524	0.024
Perfluorodecanesulfonic Acid (PFDS)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	U	0.501	0.153	0.524	U	0.524	0.16
Perfluorodecanoic Acid (PFDA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	U	0.501	0.067	0.524	U	0.524	0.07
Perfluorododecanoic Acid (PFDoA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	U	0.501	0.07	0.524	U	0.524	0.073
Perfluoroheptanesulfonic Acid (PFHpS)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	U	0.501	0.137	0.524	U	0.524	0.143
Perfluoroheptanoic Acid (PFHpA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	U	0.501	0.045	0.524	U	0.524	0.047
Perfluorohexanesulfonic Acid (PFHxS)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	U	0.501	0.061	0.524	U	0.524	0.063
Perfluorohexanoic Acid (PFHxA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	UJ	0.501	0.053	0.524	J	0.524	0.055
Perfluorononanoic Acid (PFNA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	U	0.501	0.075	0.524	U	0.524	0.079
Perfluorooctanesulfonamide (FOSA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	UJ	0.501	0.098	0.524	U	0.524	0.103
Perfluorooctanesulfonic Acid (PFOS)	440	44	0.88	-		-	-	-		-	-	-		-	-	0.501	U	0.501	0.13	0.524	U	0.524	0.136
Perfluorooctanoic Acid (PFOA)	500	33	0.66	-		-	-	-		-	-	-		-	-	0.501	U	0.501	0.042	0.524	U	0.524	0.044
Perfluoropentanoic Acid (PFPeA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.093	J	0.501	0.046	0.1	J	0.524	0.048
Perfluorotetradecanoic Acid (PFTA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	UJ	0.501	0.054	0.524	J	0.524	0.057
Perfluorotridecanoic Acid (PFTrDA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	U	0.501	0.205	0.524	U	0.524	0.214
Perfluoroundecanoic Acid (PFUnA)	NC	NC	NC	-		-	-	-		-	-	-		-	-	0.501	U	0.501	0.047	0.524	U	0.524	0.049

TABLE 2
SOIL ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

Notes:
All values are in mg/kg, except for values for PFAS compounds which are in µg/kg.
: The concentration exceeds the Commercial Soil Clean Up Objectives (CSCOs).
RED: The concentration exceeds the Restricted Residential Soil Clean Up Objectives (RRSCOs)
BOLD: The concentration exceeds the Unrestricted Soil Clean Up Objectives (UUSCOs)
ITALICS : The detection limit is greater than the CUSCO, RRSCO and/or UUSCOs
NC: No Criteria
- = No Value
*Soil cleanup objectives, guidance values, and supplemental soil cleanup objectives are derived from the NYCRR Part 375-6 Environmental Remediation Programs (December 14, 2006), the Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under NYSDEC's Part 375 Remedial Program (October 2020), and the NYSDEC CP-51 Soil Cleanup Guidance (October 21, 2010).

Qualifier (Q) Key
H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
J - The value is estimated.
R - Analytical results are from sample re-analysis.
U - Not detected at the reported detection limit for the sample.

TABLE 3
SOIL VAPOR ANALYTICAL RESULTS
Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	SV-5			SV-6			SV-7			20200827 DUP		
LAB ID:	L2035485-01			L2035485-02			L2035485-04			L2035485-03		
COLLECTION DATE:	8/27/2020			8/27/2020			8/27/2020			8/27/2020		
SAMPLE MATRIX:	SOIL_VAPOR			SOIL_VAPOR			SOIL_VAPOR			SOIL_VAPOR		
ANALYTE	Conc	Q	RL	Conc	Q	RL	Conc	Q	RL	Conc	Q	RL
VOLATILE ORGANICS IN AIR												
1,1,1-Trichloroethane	3.64	U	3.64	1.09	UJ	1.09	2.18	U	2.18	1.36	UJ	1.36
1,1,2,2-Tetrachloroethane	4.58	U	4.58	1.37	U	1.37	2.75	U	2.75	1.72	U	1.72
1,1,2-Trichloroethane	3.64	U	3.64	1.09	U	1.09	2.18	U	2.18	1.36	U	1.36
1,1-Dichloroethane	2.7	U	2.7	0.809	U	0.809	1.62	U	1.62	1.01	U	1.01
1,1-Dichloroethene	2.64	U	2.64	1.21		0.793	1.59	U	1.59	2.11		0.991
1,2,4-Trichlorobenzene	4.95	U	4.95	1.69		1.48	2.97	U	2.97	1.86	U	1.86
1,2,4-Trimethylbenzene	3.28	U	3.28	9.24		0.983	1.97	U	1.97	16.2		1.23
1,2-Dibromoethane	5.13	U	5.13	1.54	UJ	1.54	3.07	U	3.07	1.92	UJ	1.92
1,2-Dichlorobenzene	4.01	U	4.01	1.2	U	1.2	2.4	U	2.4	1.5	U	1.5
1,2-Dichloroethane	2.7	U	2.7	0.809	U	0.809	1.62	U	1.62	1.01	U	1.01
1,2-Dichloropropane	3.08	U	3.08	0.924	U	0.924	1.85	U	1.85	1.16	U	1.16
1,3,5-Trimethylbenzene	3.28	U	3.28	2.51		0.983	1.97	U	1.97	4.13		1.23
1,3-Butadiene	1.48	U	1.48	0.442	U	0.442	0.885	U	0.885	0.553	U	0.553
1,3-Dichlorobenzene	4.01	U	4.01	19.5		1.2	2.4	U	2.4	15.1		1.5
1,4-Dichlorobenzene	4.01	U	4.01	1.2	U	1.2	2.4	U	2.4	1.5	U	1.5
1,4-Dioxane	2.4	U	2.4	0.721	U	0.721	1.44	U	1.44	0.901	U	0.901
2,2,4-Trimethylpentane	3.12	U	3.12	20.8		0.934	1.87	U	1.87	17.3		1.17
2-Butanone	6.28		4.93	31.6		1.47	2.95	U	2.95	45.4		1.84
2-Hexanone	2.73	U	2.73	0.82	U	0.82	1.64	U	1.64	1.02	U	1.02
3-Chloropropene	2.09	U	2.09	0.626	U	0.626	1.25	U	1.25	0.783	U	0.783
4-Ethyltoluene	3.28	U	3.28	1.21		0.983	1.97	U	1.97	2.06		1.23
4-Methyl-2-pentanone	6.84	U	6.84	4.92		2.05	4.1	U	4.1	6.19		2.56
Acetone	160		7.91	276		2.38	61.3		4.75	382		2.97
Benzene	2.13	U	2.13	2.14		0.639	1.28	U	1.28	2.78		0.799
Benzyl chloride	3.45	U	3.45	1.04	U	1.04	2.07	U	2.07	1.29	U	1.29
Bromodichloromethane	4.47	U	4.47	1.34	U	1.34	2.68	U	2.68	1.67	U	1.67
Bromoform	6.9	U	6.9	2.07	U	2.07	4.14	U	4.14	2.58	U	2.58
Bromomethane	2.59	U	2.59	0.777	U	0.777	1.55	U	1.55	0.971	U	0.971
Carbon disulfide	2.08	U	2.08	1.37		0.623	3.52		1.25	1.38		0.779
Carbon tetrachloride	4.2	U	4.2	1.26	UJ	1.26	2.52	U	2.52	1.57	UJ	1.57
Chlorobenzene	3.07	U	3.07	1.47		0.921	1.84	U	1.84	1.56		1.15
Chloroethane	1.76	U	1.76	0.528	U	0.528	1.06	U	1.06	0.66	U	0.66
Chloroform	4.05		3.26	1.03		0.977	5.76		1.95	1.42		1.22
Chloromethane	1.38	U	1.38	0.719		0.413	0.826	U	0.826	1.06		0.516
cis-1,2-Dichloroethene	11.5		2.64	0.793	U	0.793	1.59	U	1.59	0.991	U	0.991
cis-1,3-Dichloropropene	3.03	U	3.03	0.908	U	0.908	1.82	U	1.82	1.13	U	1.13
Cyclohexane	2.3	U	2.3	1.72		0.688	1.38	U	1.38	3.44		0.861
Dibromochloromethane	5.68	U	5.68	1.7	U	1.7	3.41	U	3.41	2.13	U	2.13
Dichlorodifluoromethane	3.3	U	3.3	1.67		0.989	2.17		1.98	1.65		1.24
Ethanol	31.5	U	31.5	84.8		9.42	18.8	U	18.8	158		11.8
Ethyl Acetate	6.02	U	6.02	1.8	U	1.8	3.6	U	3.6	2.52		2.25
Ethylbenzene	2.9	U	2.9	1.99		0.869	1.74	U	1.74	3.25		1.09
Freon-113	5.11	U	5.11	1.53	U	1.53	3.07	U	3.07	1.92	U	1.92
Freon-114	4.66	U	4.66	1.4	U	1.4	2.8	U	2.8	1.75	U	1.75
Heptane	2.73	U	2.73	3.27		0.82	1.64	U	1.64	5.41		1.02
Hexachlorobutadiene	7.11	U	7.11	2.13	U	2.13	4.27	U	4.27	2.67	U	2.67
Isopropanol	5.26		4.1	11.7	J	1.23	2.46	U	2.46	20.7	J	1.54
Methyl tert butyl ether	2.4	U	2.4	0.721	U	0.721	1.44	U	1.44	0.901	U	0.901
Methylene chloride	5.8	U	5.8	1.74	U	1.74	3.47	U	3.47	2.17	U	2.17
n-Hexane	2.35	U	2.35	13.7		0.705	1.41	U	1.41	27.3		0.881
o-Xylene	2.9	U	2.9	3.63		0.869	1.74	U	1.74	6.04		1.09
p/m-Xylene	5.78	U	5.78	5.99		1.74	3.47	U	3.47	10.6		2.17
Styrene	2.84	U	2.84	1.28		0.852	1.7	U	1.7	2.24		1.06
Tertiary butyl Alcohol	5.06	U	5.06	216		1.52	3.03	U	3.03	*376*		*1.89*
Tetrachloroethene	1450		4.52	214		1.36	888		2.71	37		1.7
Tetrahydrofuran	4.93	U	4.93	18.7		1.47	4.66		2.95	33.9		1.84
Toluene	2.51	U	2.51	5.88		0.754	3.17		1.51	10.6		0.942
trans-1,2-Dichloroethene	2.64	U	2.64	0.793	U	0.793	1.59	U	1.59	0.991	U	0.991
trans-1,3-Dichloropropene	3.03	U	3.03	0.908	U	0.908	1.82	U	1.82	1.13	U	1.13
Trichloroethene	61.3		3.58	2.42		1.07	2.15	U	2.15	3.72		1.34
Trichlorofluoromethane	3.75	U	3.75	2.52		1.12	2.48		2.25	3.37		1.4
Vinyl bromide	2.92	U	2.92	0.874	U	0.874	1.75	U	1.75	1.09	U	1.09
Vinyl chloride	1.71	U	1.71	0.511	U	0.511	1.02	U	1.02	0.639	U	0.639

Qualifier (Q) Key
Q = Laboratory data qualifier.
J - The value is estimated.
U - Not detected at the reported detection limit for the sample.

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	GWQS	MW-1A				MW-2A				MW-3A				MW-4A				MW-5				20200914-DUP			
LAB ID:		L2038282-05				L2038282-04				L2038282-01				L2038282-06				L2038282-02				L2038282-03			
COLLECTION DATE:		9/14/2020				9/14/2020				9/14/2020				9/14/2020				9/14/2020				9/14/2020			
SAMPLE DEPTH:		12.5'				12'				12'				11'				13'				13'			
SAMPLE MATRIX:		WATER				WATER				WATER				WATER				WATER				WATER			
ANALYTE	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANIC COMPOUNDS																									
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
1,1,1-Trichloroethane	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	0.17	0.5	U	0.5	0.17	0.5	U	0.5	0.17	0.5	U	0.5	0.17	0.5	U	0.5	0.17	0.5	U	0.5	0.17
1,1,2-Trichloroethane	1	*1.5*	*UJ*	*1.5*	*0.5*	*1.5*	*UJ*	*1.5*	*0.5*	*1.5*	*UJ*	*1.5*	*0.5*	*1.5*	*UJ*	*1.5*	*0.5*	*1.5*	*UJ*	*1.5*	*0.5*	*1.5*	*UJ*	*1.5*	*0.5*
1,1-Dichloroethane	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
1,1-Dichloroethene	5	0.5	U	0.5	0.17	0.5	U	0.5	0.17	0.5	U	0.5	0.17	0.5	U	0.5	0.17	0.5	U	0.5	0.17	0.5	U	0.5	0.17
1,1-Dichloropropene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
1,2,3-Trichlorobenzene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
1,2,3-Trichloropropane	0.04	*2.5*	*U*	*2.5*	*0.7*	*2.5*	*U*	*2.5*	*0.7*	*2.5*	*U*	*2.5*	*0.7*	*2.5*	*U*	*2.5*	*0.7*	*2.5*	*U*	*2.5*	*0.7*	*2.5*	*U*	*2.5*	*0.7*
1,2,4,5-Tetramethylbenzene	5	2	U	2	0.54	2	U	2	0.54	2	U	2	0.54	2	U	2	0.54	2	U	2	0.54	2	U	2	0.54
1,2,4-Trichlorobenzene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
1,2,4-Trimethylbenzene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
1,2-Dibromo-3-chloropropane	0.04	*2.5*	*U*	*2.5*	*0.7*	*2.5*	*U*	*2.5*	*0.7*	*2.5*	*U*	*2.5*	*0.7*	*2.5*	*U*	*2.5*	*0.7*	*2.5*	*U*	*2.5*	*0.7*	*2.5*	*U*	*2.5*	*0.7*
1,2-Dibromoethane	0.0006	*2*	*U*	*2*	*0.65*	*2*	*U*	*2*	*0.65*	*2*	*U*	*2*	*0.65*	*2*	*U*	*2*	*0.65*	*2*	*U*	*2*	*0.65*	*2*	*U*	*2*	*0.65*
1,2-Dichlorobenzene	3	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
1,2-Dichloroethane	0.6	0.5	U	0.5	0.13	0.5	U	0.5	0.13	0.5	U	0.5	0.13	0.5	U	0.5	0.13	0.5	U	0.5	0.13	0.5	U	0.5	0.13
1,2-Dichloroethene, Total	NC	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
1,2-Dichloropropane	1	1	R	1	0.14	1	UJ	1	0.14	1	UJ	1	0.14	1	UJ	1	0.14	1	UJ	1	0.14	1	UJ	1	0.14
1,3,5-Trimethylbenzene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
1,3-Dichlorobenzene	3	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
1,3-Dichloropropane	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
1,3-Dichloropropene, Total	NC	0.5	U	0.5	0.14	0.5	U	0.5	0.14	0.5	U	0.5	0.14	0.5	U	0.5	0.14	0.5	U	0.5	0.14	0.5	U	0.5	0.14
1,4-Dichlorobenzene	3	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
1,4-Dioxane	NC	250	UJ	250	61	250	UJ	250	61	250	UJ	250	61	250	UJ	250	61	250	UJ	250	61	250	UJ	250	61
2,2-Dichloropropane	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
2-Butanone	50	5	U	5	1.9	5	U	5	1.9	5	U	5	1.9	4.4	J	5	1.9	5	U	5	1.9	5	U	5	1.9
2-Hexanone	50	5	U	5	1	5	U	5	1	5	U	5	1	5	U	5	1	5	U	5	1	5	U	5	1
4-Methyl-2-pentanone	NC	5	U	5	1	5	U	5	1	5	U	5	1	1.6	J	5	1	5	U	5	1	5	U	5	1
Acetone	50	5	U	5	1.5	5	U	5	1.5	5	U	5	1.5	13		5	1.5	3.2	J	5	1.5	5	U	5	1.5
Acrylonitrile	5	5	U	5	1.5	5	U	5	1.5	5	U	5	1.5	5	U	5	1.5	5	U	5	1.5	5	U	5	1.5
Benzene	1	0.5	U	0.5	0.16	0.5	U	0.5	0.16	0.5	U	0.5	0.16	0.5	U	0.5	0.16	0.5	U	0.5	0.16	0.5	U	0.5	0.16
Bromobenzene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
Bromochloromethane	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
Bromodichloromethane	50	0.5	R	0.5	0.19	0.5	UJ	0.5	0.19	0.5	UJ	0.5	0.19	0.5	UJ	0.5	0.19	0.5	UJ	0.5	0.19	0.5	UJ	0.5	0.19
Bromoform	50	2	U	2	0.65	2	U	2	0.65	2	U	2	0.65	2	U	2	0.65	2	U	2	0.65	2	U	2	0.65
Bromomethane	5	2.5	UJ	2.5	0.7	2.5	UJ	2.5	0.7	2.5	UJ	2.5	0.7	2.5	UJ	2.5	0.7	2.5	UJ	2.5	0.7	2.5	UJ	2.5	0.7
Carbon disulfide	60	5	R	5	1	5	R	5	1	5	UJ	5	1	5	UJ	5	1	5	UJ	5	1	5	UJ	5	1
Carbon tetrachloride	5	0.5	U	0.5	0.13	0.5	U	0.5	0.13	0.5	U	0.5	0.13	0.5	U	0.5	0.13	0.5	U	0.5	0.13	0.5	U	0.5	0.13
Chlorobenzene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
Chloroethane	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	GWQS	MW-1A				MW-2A				MW-3A				MW-4A				MW-5				20200914-DUP			
LAB ID:		L2038282-05				L2038282-04				L2038282-01				L2038282-06				L2038282-02				L2038282-03			
COLLECTION DATE:		9/14/2020				9/14/2020				9/14/2020				9/14/2020				9/14/2020				9/14/2020			
SAMPLE DEPTH:		12.5'				12'				12'				11'				13'				13'			
SAMPLE MATRIX:		WATER				WATER				WATER				WATER				WATER				WATER			
Chloroform	7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
Chloromethane	NC	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
cis-1,2-Dichloroethene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
cis-1,3-Dichloropropene	0.4	*0.5*	*UJ*	*0.5*	*0.14*	*0.5*	*UJ*	*0.5*	*0.14*	*0.5*	*UJ*	*0.5*	*0.14*	*0.5*	*UJ*	*0.5*	*0.14*	*0.5*	*U*	*0.5*	*0.14*	*0.5*	*J*	*0.5*	*0.14*
Dibromochloromethane	50	0.5	U	0.5	0.15	0.5	U	0.5	0.15	0.5	U	0.5	0.15	0.5	U	0.5	0.15	0.5	U	0.5	0.15	0.5	U	0.5	0.15
Dibromomethane	5	5	U	5	1	5	U	5	1	5	U	5	1	5	U	5	1	5	U	5	1	5	U	5	1
Dichlorodifluoromethane	5	5	U	5	1	5	U	5	1	5	U	5	1	5	U	5	1	5	U	5	1	5	U	5	1
Ethyl ether	NC	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
Ethylbenzene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
Hexachlorobutadiene	0.5	*2.5*	*U*	*2.5*	*0.7*	*2.5*	*U*	*2.5*	*0.7*	*2.5*	*U*	*2.5*	*0.7*	*2.5*	*U*	*2.5*	*0.7*	*2.5*	*U*	*2.5*	*0.7*	*2.5*	*U*	*2.5*	*0.7*
Isopropylbenzene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
Methyl tert butyl ether	10	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
Methylene chloride	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
n-Butylbenzene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
n-Propylbenzene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
Naphthalene	10	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
o-Chlorotoluene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
o-Xylene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
p-Chlorotoluene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
p-Diethylbenzene	NC	2	U	2	0.7	2	U	2	0.7	2	U	2	0.7	2	U	2	0.7	2	U	2	0.7	2	U	2	0.7
p-Ethyltoluene	NC	2	U	2	0.7	2	U	2	0.7	2	U	2	0.7	2	U	2	0.7	2	U	2	0.7	2	U	2	0.7
p-Isopropyltoluene	5	2.5	R	2.5	0.7	2.5	R	2.5	0.7	2.5	UJ	2.5	0.7	2.5	UJ	2.5	0.7	2.5	U	2.5	0.7	2.5	UJ	2.5	0.7
p/m-Xylene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
sec-Butylbenzene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
Styrene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
tert-Butylbenzene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
Tetrachloroethene	5	0.44	J	0.5	0.18	0.5	U	0.5	0.18	0.5	U	0.5	0.18	14		0.5	0.18	0.5	U	0.5	0.18	0.5	U	0.5	0.18
Toluene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
trans-1,2-Dichloroethene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
trans-1,3-Dichloropropene	0.4	*0.5*	*U*	*0.5*	*0.16*	*0.5*	*U*	*0.5*	*0.16*	*0.5*	*U*	*0.5*	*0.16*	*0.5*	*U*	*0.5*	*0.16*	*0.5*	*U*	*0.5*	*0.16*	*0.5*	*U*	*0.5*	*0.16*
trans-1,4-Dichloro-2-butene	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
Trichloroethene	5	0.5	U	0.5	0.18	0.5	U	0.5	0.18	0.5	U	0.5	0.18	0.75		0.5	0.18	0.5	U	0.5	0.18	0.5	U	0.5	0.18
fc	5	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
Vinyl acetate	NC	5	U	5	1	5	U	5	1	5	U	5	1	5	U	5	1	5	U	5	1	5	U	5	1
Vinyl chloride	2	1	U	1	0.07	1	U	1	0.07	1	U	1	0.07	0.24	J	1	0.07	1	U	1	0.07	1	U	1	0.07
Xylenes, Total	NC	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7	2.5	U	2.5	0.7
Total VOCs	NC	0.44	-	-	-	-	-	-	-	-	-	-	-	33.99	-	-	-	3.2	-	-	-	-	-	-	-
1,4 DIOXANE SIM																									
1,4-Dioxane	NC	0.156	U	0.156	0.0353	0.15	U	0.15	0.0339	0.144	U	0.144	0.0326	0.524		0.144	0.0326	0.139	U	0.139	0.0314	0.15	U	0.15	0.0339

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	GWQS	MW-1A				MW-2A				MW-3A				MW-4A				MW-5				20200914-DUP			
LAB ID:		L2038282-05				L2038282-04				L2038282-01				L2038282-06				L2038282-02				L2038282-03			
COLLECTION DATE:		9/14/2020				9/14/2020				9/14/2020				9/14/2020				9/14/2020				9/14/2020			
SAMPLE DEPTH:		12.5'				12'				12'				11'				13'				13'			
SAMPLE MATRIX:		WATER				WATER				WATER				WATER				WATER				WATER			
SEMIVOLATILE ORGANICS																									
1,2,4,5-Tetrachlorobenzene	5	*10*	*U*	*10*	*0.44*	*10*	*U*	*10*	*0.44*	*10*	*U*	*10*	*0.44*	*10*	*U*	*10*	*0.44*	*10*	*U*	*10*	*0.44*	*10*	*U*	*10*	*0.44*
1,2,4-Trichlorobenzene	5	5	U	5+F90	0.5	5	U	5	0.5	5	U	5	0.5	5	U	5	0.5	5	U	5	0.5	5	U	5	0.5
1,2-Dichlorobenzene	3	2	U	2	0.45	2	U	2	0.45	2	U	2	0.45	2	U	2	0.45	2	U	2	0.45	2	U	2	0.45
1,3-Dichlorobenzene	3	2	U	2	0.4	2	U	2	0.4	2	U	2	0.4	2	U	2	0.4	2	U	2	0.4	2	U	2	0.4
1,4-Dichlorobenzene	3	2	U	2	0.43	2	U	2	0.43	2	U	2	0.43	2	U	2	0.43	2	U	2	0.43	2	U	2	0.43
2,4,5-Trichlorophenol	NC	5	R	5	0.77	5	R	5	0.77	5	UJ	5	0.77	5	UJ	5	0.77	5	UJ	5	0.77	5	J	5	0.77
2,4,6-Trichlorophenol	NC	5	UJ	5	0.61	5	UJ	5	0.61	5	UJ	5	0.61	5	UJ	5	0.61	5	JH	5	0.61	5	UJ	5	0.61
2,4-Dichlorophenol	1	*5*	*U*	*5*	*0.41*	*5*	*U*	*5*	*0.41*	*5*	*U*	*5*	*0.41*	*5*	*U*	*5*	*0.41*	*5*	*U*	*5*	*0.41*	*5*	*U*	*5*	*0.41*
2,4-Dimethylphenol	50	5	U	5	1.8	5	U	5	1.8	5	U	5	1.8	5	U	5	1.8	5	U	5	1.8	5	U	5	1.8
2,4-Dinitrophenol	10	*20*	*U*	*20*	*6.6*	*20*	*U*	*20*	*6.6*	*20*	*U*	*20*	*6.6*	*20*	*U*	*20*	*6.6*	*20*	*U*	*20*	*6.6*	*20*	*U*	*20*	*6.6*
2,4-Dinitrotoluene	5	5	U	5	1.2	5	U	5	1.2	5	U	5	1.2	5	U	5	1.2	5	U	5	1.2	5	U	5	1.2
2,6-Dinitrotoluene	5	5	R	5	0.93	5	UJ	5	0.93	5	UJ	5	0.93	5	UJ	5	0.93	5	UJ	5	0.93	5	UJ	5	0.93
2-Chlorophenol	NC	2	U	2	0.48	2	U	2	0.48	2	U	2	0.48	2	U	2	0.48	2	U	2	0.48	2	U	2	0.48
2-Methylphenol	NC	5	U	5	0.49	5	U	5	0.49	5	U	5	0.49	5	U	5	0.49	5	U	5	0.49	5	U	5	0.49
2-Nitroaniline	5	5	UJ	5	0.5	5	UJ	5	0.5	5	UJ	5	0.5	5	UJ	5	0.5	5	UJ	5	0.5	5	UJ	5	0.5
2-Nitrophenol	NC	10	R	10	0.85	10	UJ	10	0.85	10	UJ	10	0.85	10	UJ	10	0.85	10	UJ	10	0.85	10	UJ	10	0.85
3,3'-Dichlorobenzidine	5	5	U	5	1.6	5	U	5	1.6	5	U	5	1.6	5	U	5	1.6	5	U	5	1.6	5	U	5	1.6
3-Methylphenol/4-Methylphenol	NC	5	U	5	0.48	5	U	5	0.48	5	U	5	0.48	1.7	J	5	0.48	5	U	5	0.48	5	U	5	0.48
3-Nitroaniline	5	5	U	5	0.81	5	U	5	0.81	5	U	5	0.81	5	U	5	0.81	5	U	5	0.81	5	U	5	0.81
4,6-Dinitro-o-cresol	NC	10	U	10	1.8	10	U	10	1.8	10	U	10	1.8	10	U	10	1.8	10	U	10	1.8	10	U	10	1.8
4-Bromophenyl phenyl ether	NC	2	U	2	0.38	2	U	2	0.38	2	U	2	0.38	2	U	2	0.38	2	U	2	0.38	2	U	2	0.38
4-Chloroaniline	5	5	U	5	1.1	5	U	5	1.1	5	U	5	1.1	5	U	5	1.1	5	U	5	1.1	5	U	5	1.1
4-Chlorophenyl phenyl ether	NC	2	U	2	0.49	2	U	2	0.49	2	U	2	0.49	2	U	2	0.49	2	U	2	0.49	2	U	2	0.49
4-Nitroaniline	5	5	U	5	0.8	5	U	5	0.8	5	U	5	0.8	5	U	5	0.8	5	U	5	0.8	5	U	5	0.8
4-Nitrophenol	NC	10	U	10	0.67	10	U	10	0.67	10	U	10	0.67	10	U	10	0.67	10	U	10	0.67	10	U	10	0.67
Acetophenone	NC	5	U	5	0.53	5	U	5	0.53	5	U	5	0.53	5	U	5	0.53	5	U	5	0.53	5	U	5	0.53
Benzoic Acid	NC	50	UJ	50	2.6	50	UJ	50	2.6	50	UJ	50	2.6	72	UJ	50	2.6	50	UJ	50	2.6	50	UJ	50	2.6
Benzyl Alcohol	NC	2	U	2	0.59	2	U	2	0.59	2	U	2	0.59	2	U	2	0.59	2	U	2	0.59	2	U	2	0.59
Biphenyl	NC	2	U	2	0.46	2	U	2	0.46	2	U	2	0.46	2	U	2	0.46	2	U	2	0.46	2	U	2	0.46
Bis(2-chloroethoxy)methane	5	5	U	5	0.5	5	U	5	0.5	5	U	5	0.5	5	U	5	0.5	5	U	5	0.5	5	U	5	0.5
Bis(2-chloroethyl)ether	1	*2*	*U*	*2*	*0.5*	*2*	*U*	*2*	*0.5*	*2*	*U*	*2*	*0.5*	*2*	*U*	*2*	*0.5*	*2*	*U*	*2*	*0.5*	*2*	*U*	*2*	*0.5*
Bis(2-chloroisopropyl)ether	5	2	R	2	0.53	2	UJ	2	0.53	2	UJ	2	0.53	2	UJ	2	0.53	2	UJ	2	0.53	2	UJ	2	0.53
Bis(2-ethylhexyl)phthalate	5	3	U	3	1.5	2.2	J	3	1.5	3	U	3	1.5	3	U	3	1.5	3	U	3	1.5	3	U	3	1.5
Butyl benzyl phthalate	50	5	UJ	5	1.2	5	U	5	1.2	5	UJ	5	1.2	5	U	5	1.2	5	UJ	5	1.2	5	UJ	5	1.2
Carbazole	NC	2	U	2	0.49	2	U	2	0.49	2	U	2	0.49	2	U	2	0.49	2	U	2	0.49	2	U	2	0.49
Di-n-butylphthalate	50	5	U	5	0.39	5	U	5	0.39	5	U	5	0.39	5	U	5	0.39	5	U	5	0.39	5	U	5	0.39
Di-n-octylphthalate	50	5	U	5	1.3	5	U	5	1.3	5	U	5	1.3	5	U	5	1.3	5	U	5	1.3	5	U	5	1.3
Dibenzofuran	NC	2	U	2	0.5	2	U	2	0.5	2	U	2	0.5	2	U	2	0.5	2	U	2	0.5	2	U	2	0.5
Diethyl phthalate	50	5	U	5	0.38	5	U	5	0.38	5	U	5	0.38	5	U	5	0.38	5	U	5	0.38	5	U	5	0.38
Dimethyl phthalate	50	5	R	5	1.8	5	UJ	5	1.8	5	UJ	5	1.8	5	UJ	5	1.8	5	U	5	1.8	5	UJ	5	1.8
Hexachlorocyclopentadiene	5	*20*	*U*	*20*	*0.69*	*20*	*U*	*20*	*0.69*	*20*	*U*	*20*	*0.69*	*20*	*U*	*20*	*0.69*	*20*	*U*	*20*	*0.69*	*20*	*U*	*20*	*0.69*
Isophorone	50	5	U	5	1.2	5	U	5	1.2	5	U	5	1.2	5	U	5	1.2	5	UJ	5	1.2	5	U	5	1.2
n-Nitrosodi-n-propylamine	NC	5	U	5	0.64	5	U	5	0.64	5	U	5	0.64	5	U	5	0.64	5	U	5	0.64	5	U	5	0.64
NDPA/DPA	50	2	U	2	0.42	2	U	2	0.42	2	U	2	0.42	2	U	2	0.42	2	U	2	0.42	2	U	2	0.42
Nitrobenzene	0.4	*2*	*U*	*2*	*0.77*	*2*	*U*	*2*	*0.77*	*2*	*U*	*2*	*0.77*	*2*	*U*	*2*	*0.77*	*2*	*U*	*2*	*0.77*	*2*	*U*	*2*	*0.77*
p-Chloro-m-cresol	NC	2	U	2	0.35	2	U	2	0.35	2	U	2	0.35	2	U	2	0.35	2	U	2	0.35	2	U	2	0.35
Phenol	1	*5*	*U*	*5*	*0.57*	*5*	*U*	*5*	*0.57*	*5*	*U*	*5*	*0.57*	10		5	0.57	*5*	*U*	*5*	*0.57*	*5*	*U*	*5*	*0.57*
Total SVOCs	NC	-	-	-	-	4.2	-	-	-	2.8	-	-	-	83.7	-	-	-	-	-	-	-	2.4	-	-	-

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100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	GWQS	MW-1A				MW-2A				MW-3A				MW-4A				MW-5				20200914-DUP			
LAB ID:		L2038282-05				L2038282-04				L2038282-01				L2038282-06				L2038282-02				L2038282-03			
COLLECTION DATE:		9/14/2020				9/14/2020				9/14/2020				9/14/2020				9/14/2020				9/14/2020			
SAMPLE DEPTH:		12.5'				12'				12'				11'				13'				13'			
SAMPLE MATRIX:		WATER				WATER				WATER				WATER				WATER				WATER			
SEMIVOLATILE ORGANICS SIM																									
2-Chloronaphthalene	10	0.2	U	0.2	0.02	0.2	U	0.2	0.02	0.2	U	0.2	0.02	0.2	U	0.2	0.02	0.2	U	0.2	0.02	0.2	U	0.2	0.02
2-Methylnaphthalene	NC	0.1	UJ	0.1	0.02	0.1	UJ	0.1	0.02	0.1	UJ	0.1	0.02	0.46		0.1	0.02	0.1	UJ	0.1	0.02	0.1	UJ	0.1	0.02
Acenaphthene	20	0.1	R	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01
Acenaphthylene	NC	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01
Anthracene	50	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.14		0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01
Benzo(a)anthracene	0.002	*0.1*	*U*	*0.1*	*0.02*	*0.1*	*U*	*0.1*	*0.02*	*0.1*	*U*	*0.1*	*0.02*	*0.1*	*U*	*0.1*	*0.02*	*0.1*	*U*	*0.1*	*0.02*	*0.1*	*U*	*0.1*	*0.02*
Benzo(a)pyrene	0	*0.1*	*U*	*0.1*	*0.02*	*0.1*	*U*	*0.1*	*0.02*	0.02	J	0.1	0.02	0.03	J	0.1	0.02	*0.1*	*U*	*0.1*	*0.02*	*0.1*	*U*	*0.1*	*0.02*
Benzo(b)fluoranthene	0.002	0.02	J	0.1	0.01	*0.1*	*U*	*0.1*	*0.01*	0.01	J	0.1	0.01	0.03	J	0.1	0.01	*0.1*	*U*	*0.1*	*0.01*	*0.1*	*U*	*0.1*	*0.01*
Benzo(ghi)perylene	NC	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.02	J	0.1	0.01	0.03	J	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01
Benzo(k)fluoranthene	0.002	*0.1*	*U*	*0.1*	*0.01*	*0.1*	*U*	*0.1*	*0.01*	0.01	J	0.1	0.01	0.02	J	0.1	0.01	*0.1*	*U*	*0.1*	*0.01*	*0.1*	*U*	*0.1*	*0.01*
Chrysene	0.002	0.01	J	0.1	0.01	*0.1*	*U*	*0.1*	*0.01*	*0.1*	*U*	*0.1*	*0.01*	*0.1*	*U*	*0.1*	*0.01*	*0.1*	*U*	*0.1*	*0.01*	*0.1*	*U*	*0.1*	*0.01*
Dibenzo(a,h)anthracene	NC	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01
Fluoranthene	50	0.03	J	0.1	0.02	0.02	J	0.1	0.02	0.1	U	0.1	0.02	0.08	J	0.1	0.02	0.1	U	0.1	0.02	0.1	U	0.1	0.02
Fluorene	50	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01	0.2	UJ	0.1	0.01	0.1	U	0.1	0.01	0.1	U	0.1	0.01
Hexachlorobenzene	0.04	*0.8*	*U*	*0.8*	*0.01*	*0.8*	*U*	*0.8*	*0.01*	*0.8*	*U*	*0.8*	*0.01*	*0.8*	*U*	*0.8*	*0.01*	*0.8*	*U*	*0.8*	*0.01*	*0.8*	*U*	*0.8*	*0.01*
Hexachlorobutadiene	0.5	*0.5*	*UJ*	*0.5*	*0.05*	*0.5*	*UJ*	*0.5*	*0.05*	*0.5*	*UJ*	*0.5*	*0.05*	*0.5*	*U*	*0.5*	*0.05*	*0.5*	*UJ*	*0.5*	*0.05*	*0.5*	*UJ*	*0.5*	*0.05*
Hexachloroethane	5	0.8	R	0.8	0.06	0.8	U	0.8	0.06	0.8	UJ	0.8	0.06	0.8	U	0.8	0.06	0.8	UJ	0.8	0.06	0.8	UJ	0.8	0.06
Indeno(1,2,3-cd)pyrene	0.002	*0.1*	*U*	*0.1*	*0.01*	*0.1*	*U*	*0.1*	*0.01*	0.02	J	0.1	0.01	0.02	J	0.1	0.01	*0.1*	*U*	*0.1*	*0.01*	*0.1*	*U*	*0.1*	*0.01*
Naphthalene	10	0.1	UJ	0.1	0.05	0.1	UJ	0.1	0.05	0.1	UJ	0.1	0.05	0.38	UJ	0.1	0.05	0.1	UJ	0.1	0.05	0.1	UJ	0.1	0.05
Pentachlorophenol	1	0.8	U	0.8	0.01	0.8	U	0.8	0.01	0.8	U	0.8	0.01	0.8	U	0.8	0.01	0.8	U	0.8	0.01	0.8	U	0.8	0.01
Phenanthrene	50	0.1	U	0.1	0.02	0.1	U	0.1	0.02	0.1	U	0.1	0.02	0.19		0.1	0.02	0.1	U	0.1	0.02	0.1	U	0.1	0.02
Pyrene	50	0.03	J	0.1	0.02	0.02	J	0.1	0.02	0.1	U	0.1	0.02	0.16		0.1	0.02	0.02	J	0.1	0.02	0.1	U	0.1	0.02
Total SVOCs	NC	0.11	-	-	-	0.04	-	-	-	0.08	-	-	-	1.74	-	-	-	0.02	-	-	-	-	-	-	-
CHLORINATED HERBICIDES																									
2,4,5-T	35	2	U	2	0.531	2	U	2	0.531	2	U	2	0.531	2	U	2	0.531	2	U	2	0.531	2	U	2	0.531
2,4,5-TP (Silvex)	NC	2	U	2	0.539	2	U	2	0.539	2	U	2	0.539	2	U	2	0.539	2	U	2	0.539	2	U	2	0.539
2,4-D	50	10	U	10	0.498	10	U	10	0.498	10	U	10	0.498	10	U	10	0.498	10	U	10	0.498	10	U	10	0.498
ORGANOCHLORINE PESTICIDES																									
4,4'-DDD	0.3	0.004	JIP	0.029	0.003	0.029	U	0.029	0.003	0.029	U	0.029	0.003	0.029	UJ	0.029	0.003	0.029	UJ	0.029	0.003	0.029	U	0.029	0.003
4,4'-DDE	0.2	0.003	J	0.029	0.003	0.029	U	0.029	0.003	0.029	U	0.029	0.003	0.029	UJ	0.029	0.003	0.029	UJ	0.029	0.003	0.029	U	0.029	0.003
4,4'-DDT	0.2	0.029	U	0.029	0.003	0.029	U	0.029	0.003	0.029	U	0.029	0.003	0.029	UJ	0.029	0.003	0.029	J	0.029	0.003	0.029	U	0.029	0.003
Aldrin	0	*0.014*	*UJ*	*0.014*	*0.002*	*0.014*	*UJ*	*0.014*	*0.002*	*0.014*	*UJ*	*0.014*	*0.002*	*0.014*	*UJ*	*0.014*	*0.002*	*0.014*	*UJ*	*0.014*	*0.002*	*0.014*	*UJ*	*0.014*	*0.002*
Alpha-BHC	0.01	*0.014*	*U*	*0.014*	*0.003*	*0.014*	*U*	*0.014*	*0.003*	*0.014*	*U*	*0.014*	*0.003*	*0.014*	*UJ*	*0.014*	*0.003*	*0.014*	*UJ*	*0.014*	*0.003*	*0.014*	*U*	*0.014*	*0.003*
Beta-BHC	0.04	0.014	U	0.014	0.004	0.014	U	0.014	0.004	0.014	U	0.014	0.004	0.014	UJ	0.014	0.004	0.014	UJ	0.014	0.004	0.014	U	0.014	0.004
Chlordane	0.05	*0.143*	*U*	*0.143*	*0.033*	*0.143*	*U*	*0.143*	*0.033*	*0.143*	*U*	*0.143*	*0.033*	*0.143*	*UJ*	*0.143*	*0.033*	*0.143*	*UJ*	*0.143*	*0.033*	*0.143*	*U*	*0.143*	*0.033*
cis-Chlordane	NC	0.014	U	0.014	0.005	0.014	U	0.014	0.005	0.014	U	0.014	0.005	0.014	UJ	0.014	0.005	0.014	UJ	0.014	0.005	0.014	U	0.014	0.005
Delta-BHC	0.04	0.014	U	0.014	0.003	0.014	U	0.014	0.003	0.014	U	0.014	0.003	0.014	UJ	0.014	0.003	0.014	UJ	0.014	0.003	0.014	U	0.014	0.003
Dieldrin	0.004	*0.029*	*U*	*0.029*	*0.003*	*0.029*	*U*	*0.029*	*0.003*	*0.029*	*U*	*0.029*	*0.003*	*0.029*	*UJ*	*0.029*	*0.003*	*0.029*	*UJ*	*0.029*	*0.003*	*0.029*	*U*	*0.029*	*0.003*
Endosulfan I	NC	0.014	U	0.014	0.002	0.014	U	0.014	0.002	0.014	U	0.014	0.002	0.014	UJ	0.014	0.002	0.014	UJ	0.014	0.002	0.014	U	0.014	0.002
Endosulfan II	NC	0.029	U	0.029	0.004	0.029	U	0.029	0.004	0.029	U	0.029	0.004	0.029	UJ	0.029	0.004	0.029	UJ	0.029	0.004	0.029	U	0.029	0.004
Endosulfan sulfate	NC	0.029	U	0.029	0.003	0.029	U	0.029	0.003	0.029	U	0.029	0.003	0.029	UJ	0.029	0.003	0.029	UJ	0.029	0.003	0.029	U	0.029	0.003
Endrin	0	*0.029*	*U*	*0.029*	*0.003*	*0.029*	*U*	*0.029*	*0.003*	*0.029*	*U*	*0.029*	*0.003*	*0.029*	*UJ*	*0.029*	*0.003*	*0.029*	*UJ*	*0.029*	*0.003*	*0.029*	*U*	*0.029*	*0.003*
Endrin aldehyde	5	0.029	U	0.029	0.006	0.029	U	0.029	0.006	0.029	U	0.029	0.006	0.029	UJ	0.029	0.006	0.029	UJ	0.029	0.006	0.029	U	0.029	0.006
Endrin ketone	5	0.029	U	0.029	0.003	0.029	U	0.029	0.003	0.029	U	0.029	0.003	0.029	UJ	0.029	0.003	0.029	UJ	0.029	0.003	0.029	U	0.029	0.003
Heptachlor	0.04	0.014	U	0.014	0.002	0.014	U	0.014	0.002	0.014	U	0.014	0.002	0.014	UJ	0.014	0.002	0.014	UJ	0.014	0.002	0.014	U	0.014	0.002
Heptachlor epoxide	0.03	0.014	UJ	0.014	0.003	0.014	R	0.014	0.003	0.014	UJ	0.014	0.003	0.014	UJ	0.014	0.003	0.014	UJ	0.014	0.003	0.014	UJ	0.014	0.003
Lindane	0.05	0.014	U	0.014	0.003	0.014	U	0.014	0.003	0.014	U	0.014	0.003	0.014	UJ	0.014	0.003	0.014	U	0.014	0.003	0.014	U	0.014	0.003
Methoxychlor	35	0.143	R	0.143	0.005	0.143	UJ	0.143	0.005	0.143	UJ	0.143	0.005	0.143	UJ	0.143	0.005	0.143	U	0.143	0.005	0.143	UJ	0.143	0.005
Toxaphene	0.06	*0.143*	*U*	*0.143*	*0.045*	*0.143*	*U*	*0.143*	*0.045*	*0.143*	*U*	*0.143*	*0.045*	*0.143*	*UJ*	*0.143*	*0.045*	*0.143*	*U*	*0.143*	*0.045*	*0.143*	*U*	*0.143*	*0.045*
trans-Chlordane	NC	0.014	U	0.014	0.004	0.014	U	0.014	0.004	0.014	U	0.014	0.004	0.014	UJ	0.014	0.004	0.014	UJ	0.014	0.004	0.014	U	0.014	0.004

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	GWQS	MW-1A				MW-2A				MW-3A				MW-4A				MW-5				20200914-DUP			
LAB ID:		L2038282-05				L2038282-04				L2038282-01				L2038282-06				L2038282-02				L2038282-03			
COLLECTION DATE:		9/14/2020				9/14/2020				9/14/2020				9/14/2020				9/14/2020				9/14/2020			
SAMPLE DEPTH:		12.5'				12'				12'				11'				13'				13'			
SAMPLE MATRIX:		WATER				WATER				WATER				WATER				WATER				WATER			
POLYCHLORINATED BIPHENYLS																									
Aroclor 1016	0.09	0.083	U	0.083	0.034	0.083	U	0.083	0.034	0.083	U	0.083	0.034	0.083	U	0.083	0.034	0.083	U	0.083	0.034	0.083	U	0.083	0.034
Aroclor 1221	0.09	0.083	U	0.083	0.067	0.083	U	0.083	0.067	0.083	U	0.083	0.067	0.083	U	0.083	0.067	0.083	U	0.083	0.067	0.083	U	0.083	0.067
Aroclor 1232	0.09	0.083	U	0.083	0.046	0.083	U	0.083	0.046	0.083	U	0.083	0.046	0.083	U	0.083	0.046	0.083	U	0.083	0.046	0.083	U	0.083	0.046
Aroclor 1242	0.09	0.083	U	0.083	0.039	0.083	U	0.083	0.039	0.083	U	0.083	0.039	0.083	U	0.083	0.039	0.083	U	0.083	0.039	0.083	U	0.083	0.039
Aroclor 1248	0.09	0.083	U	0.083	0.049	0.083	U	0.083	0.049	0.083	U	0.083	0.049	0.083	U	0.083	0.049	0.083	U	0.083	0.049	0.083	U	0.083	0.049
Aroclor 1254	0.09	0.083	U	0.083	0.039	0.083	U	0.083	0.039	0.083	U	0.083	0.039	0.083	U	0.083	0.039	0.083	U	0.083	0.039	0.083	U	0.083	0.039
Aroclor 1260	0.09	0.083	UJ	0.083	0.032	0.083	UJ	0.083	0.032	0.083	UJ	0.083	0.032	0.083	UJ	0.083	0.032	0.083	UJ	0.083	0.032	0.083	UJ	0.083	0.032
Aroclor 1262	0.09	0.083	U	0.083	0.035	0.083	U	0.083	0.035	0.083	U	0.083	0.035	0.083	U	0.083	0.035	0.083	U	0.083	0.035	0.083	U	0.083	0.035
Aroclor 1268	0.09	0.083	U	0.083	0.034	0.083	U	0.083	0.034	0.083	U	0.083	0.034	0.083	U	0.083	0.034	0.083	U	0.083	0.034	0.083	U	0.083	0.034
PCBs, Total	NC	0.083	U	0.083	0.032	0.083	U	0.083	0.032	0.083	U	0.083	0.032	0.083	U	0.083	0.032	0.083	U	0.083	0.032	0.083	U	0.083	0.032
TOTAL METALS																									
Aluminum, Total	NC	540		10	3.27	535		10	3.27	50.8		10	3.27	776		10	3.27	50.2		10	3.27	45.3		10	3.27
Antimony, Total	3	1.95	J	4	0.42	*4*	*U*	*4*	*0.42*	0.92	J	4	0.42	0.54	J	4	0.42	1.72	J	4	0.42	1.76	J	4	0.42
Arsenic, Total	25	2.71		0.5	0.16	2.15		0.5	0.16	0.72		0.5	0.16	3.26		0.5	0.16	0.71		0.5	0.16	0.65		0.5	0.16
Barium, Total	1000	109.6		0.5	0.17	92.78		0.5	0.17	137.6		0.5	0.17	49.37		0.5	0.17	240		0.5	0.17	255.6		0.5	0.17
Beryllium, Total	3	0.5	U	0.5	0.1	0.5	U	0.5	0.1	0.5	U	0.5	0.1	0.5	U	0.5	0.1	0.5	U	0.5	0.1	0.5	U	0.5	0.1
Cadmium, Total	5	0.14	J	0.2	0.05	0.2	U	0.2	0.05	0.06	J	0.2	0.05	0.2	U	0.2	0.05	0.2	U	0.2	0.05	0.2	U	0.2	0.05
Calcium, Total	NC	458000		100	39.4	208000		100	39.4	96600		100	39.4	176000		100	39.4	106000		100	39.4	104000		100	39.4
Chromium, Total	50	1.25		1	0.17	1.6		1	0.17	0.37	J	1	0.17	1.27		1	0.17	0.5	J	1	0.17	0.47	J	1	0.17
Cobalt, Total	NC	0.89		0.5	0.16	1.07		0.5	0.16	0.44	J	0.5	0.16	0.6		0.5	0.16	0.27	J	0.5	0.16	0.29	J	0.5	0.16
Copper, Total	200	4.53		1	0.38	2.85		1	0.38	1.46		1	0.38	1.9		1	0.38	1.78		1	0.38	1.72		1	0.38
Iron, Total	300	962	UJ	70	19.1	1050	UJ	70	19.1	97.3	UJ	70	19.1	761	UJ	70	19.1	70	UJ	70	19.1	70	UJ	70	19.1
Lead, Total	25	29.34		1	0.34	8.7		1	0.34	4.16		1	0.34	3.66		1	0.34	0.44	J	1	0.34	0.42	J	1	0.34
Magnesium, Total	35000	18400		70	24.2	5960		70	24.2	27100		70	24.2	490		70	24.2	9680		70	24.2	9130		70	24.2
Manganese, Total	300	309.9		1	0.44	629.5		1	0.44	86.81		1	0.44	9.27		1	0.44	120.9		1	0.44	124		1	0.44
Mercury, Total	0.7	0.12	J	0.2	0.09	0.2	U	0.2	0.09	0.2	U	0.2	0.09	0.1	J	0.2	0.09	0.2	U	0.2	0.09	0.2	U	0.2	0.09
Nickel, Total	100	2.58		2	0.55	2.47		2	0.55	1.15	J	2	0.55	5.02		2	0.55	1.05	J	2	0.55	0.91	J	2	0.55
Potassium, Total	NC	16700		100	30.9	6240		100	30.9	13300		100	30.9	83600		100	30.9	5320		100	30.9	5320		100	30.9
Selenium, Total	10	25.8		5	1.73	2.93	J	5	1.73	12.6		5	1.73	5	U	5	1.73	6.73		5	1.73	6.79		5	1.73
Silver, Total	50	0.4	U	0.4	0.16	0.4	U	0.4	0.16	0.4	U	0.4	0.16	0.4	U	0.4	0.16	0.4	U	0.4	0.16	0.4	U	0.4	0.16
Sodium, Total	20000	56100		100	29.3	7960		100	29.3	13600		100	29.3	169000		100	29.3	8850		100	29.3	8490		100	29.3
Thallium, Total	0.5	1	UJ	1	0.14	*1*	*U*	*1*	*0.14*	1	UJ	1	0.14	*1*	*U*	*1*	*0.14*	1	UJ	1	0.14	1	UJ	1	0.14
Vanadium, Total	NC	2.72	J	5	1.57	2.68	J	5	1.57	1.77	J	5	1.57	4.22	J	5	1.57	1.89	J	5	1.57	1.7	J	5	1.57
Zinc, Total	2000	12.48		10	3.41	6.07	J	10	3.41	9.32	J	10	3.41	20.43		10	3.41	10	U	10	3.41	10	U	10	3.41

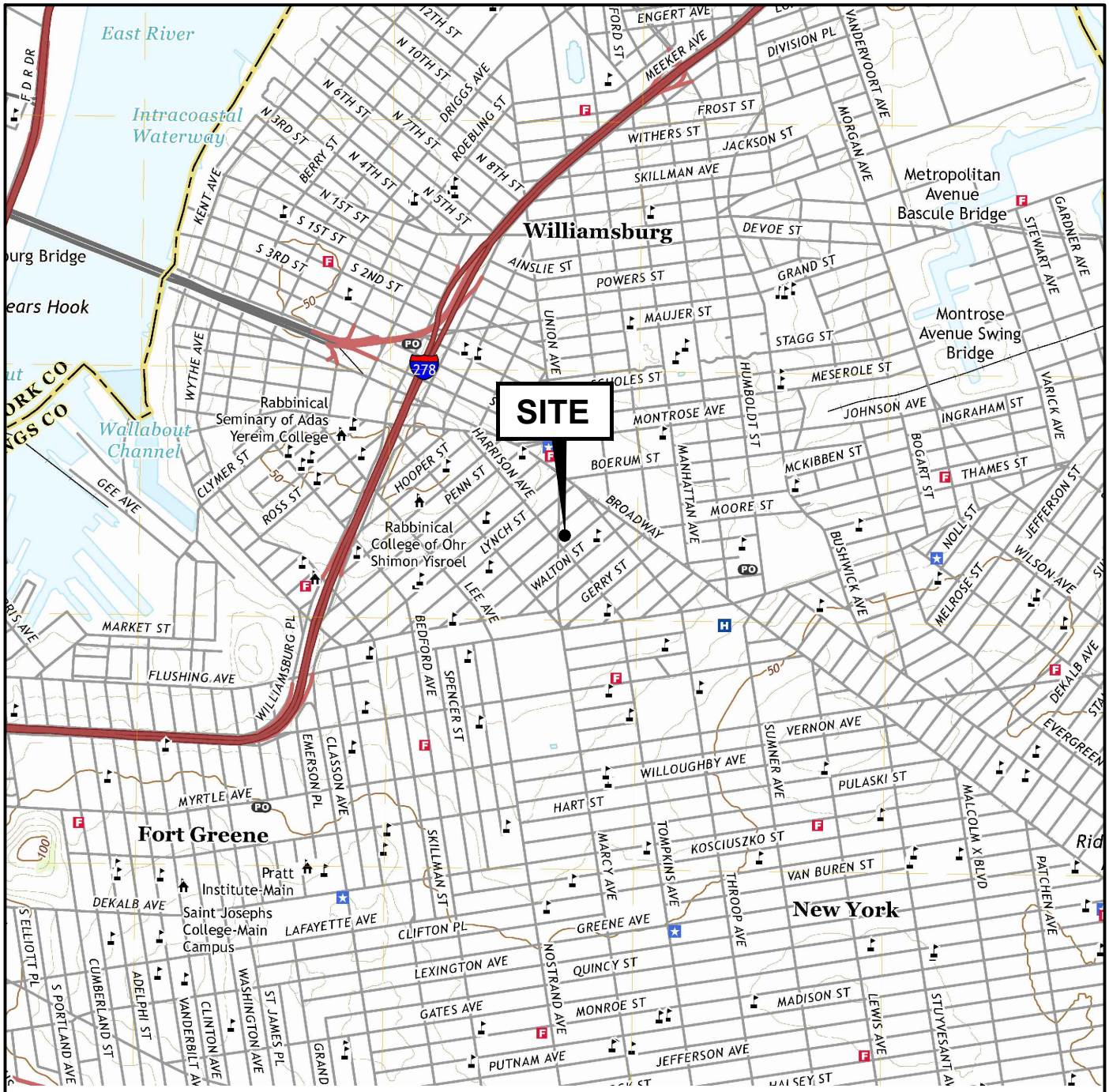
TABLE 4
GROUNDWATER ANALYTICAL RESULTS
100 Union Avenue Site Redevelopment
100 Union Avenue
Brooklyn, NY

SAMPLE ID:	GWQS	MW-1A				MW-2A				MW-3A				MW-4A				MW-5				20200914-DUP			
LAB ID:		L2038282-05				L2038282-04				L2038282-01				L2038282-06				L2038282-02				L2038282-03			
COLLECTION DATE:		9/14/2020				9/14/2020				9/14/2020				9/14/2020				9/14/2020				9/14/2020			
SAMPLE DEPTH:		12.5'				12'				12'				11'				13'				13'			
SAMPLE MATRIX:		WATER				WATER				WATER				WATER				WATER				WATER			
PERFLUORINATED ALKYL ACIDS*	Guidance Values (ng/L)																								
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	100	2.01	R	2.01	1.22	1.87	R	1.87	1.13	2.02	UJ	2.02	1.22	1.87	UJ	1.87	1.13	1.89	UJ	1.89	1.14	1.71	UJ	1.71	1.04
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	100	2.01	U	2.01	1.34	1.87	U	1.87	1.25	2.48	UJ	2.02	1.34	1.87	UJ	1.87	1.25	1.89	U	1.89	1.26	1.71	U	1.71	1.14
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	100	2.01	UJ	2.01	0.807	1.87	UJ	1.87	0.752	2.02	UJ	2.02	0.812	0.936	UJ	1.87	0.753	1.89	UJ	1.89	0.76	1.71	UJ	1.71	0.687
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	100	2.01	R	2.01	0.65	1.87	UJ	1.87	0.606	2.02	UJ	2.02	0.655	0.846	UJ	1.87	0.607	1.89	UJ	1.89	0.612	1.71	UJ	1.71	0.554
Perfluorobutanesulfonic Acid (PFBS)	100	1.98	J	2.01	0.239	2.85		1.87	0.223	3.16		2.02	0.24	10.4		1.87	0.223	5.92		1.89	0.225	5.99		1.71	0.203
Perfluorobutanoic Acid (PFBA)	100	3.64		2.01	0.409	12.5		1.87	0.382	186		2.02	0.412	55.4		1.87	0.382	7.86		1.89	0.385	7.77		1.71	0.349
Perfluorodecanesulfonic Acid (PFDS)	100	2.01	UJ	2.01	0.984	1.87	R	1.87	0.917	2.02	UJ	2.02	0.99	1.87	UJ	1.87	0.918	1.89	UJ	1.89	0.926	1.71	UJ	1.71	0.838
Perfluorodecanoic Acid (PFDA)	100	2.01	U	2.01	0.305	1.87	U	1.87	0.284	2.02	U	2.02	0.307	3.04		1.87	0.285	0.529	J	1.89	0.287	0.612	J	1.71	0.26
Perfluorododecanoic Acid (PFDoA)	100	2.01	R	2.01	0.373	1.87	UJ	1.87	0.348	2.02	UJ	2.02	0.376	1.87	UJ	1.87	0.348	1.89	UJ	1.89	0.351	1.71	UJ	1.71	0.318
Perfluoroheptanesulfonic Acid (PFHpS)	100	2.01	U	2.01	0.69	1.87	U	1.87	0.644	2.16		2.02	0.695	2.18	UJ	1.87	0.644	1.89	U	1.89	0.65	0.592	J	1.71	0.588
Perfluoroheptanoic Acid (PFHpA)	100	9.66		2.01	0.226	17.9		1.87	0.211	285		2.02	0.228	27.3		1.87	0.211	8.2		1.89	0.213	8.31		1.71	0.192
Perfluorohexanesulfonic Acid (PFHxS)	100	9.48	UJ	2.01	0.377	5.77	UJ	1.87	0.352	4.55		2.02	0.38	7.58	UJ	1.87	0.352	3.01	UJ	1.89	0.355	2.64	UJ	1.71	0.321
Perfluorohexanoic Acid (PFHxA)	100	4.31	UJ	2.01	0.329	16.5	UJ	1.87	0.307	427	UJ	2.02	0.331	24.1	UJ	1.87	0.307	7.3	UJ	1.89	0.31	7.2	UJ	1.71	0.28
Perfluorononanoic Acid (PFNA)	100	0.446	J	2.01	0.313	1.73	J	1.87	0.292	11.4		2.02	0.315	6.55		1.87	0.292	7.28	UJ	1.89	0.295	7.14		1.71	0.267
Perfluorooctanesulfonamide (FOSA)	100	2.01	R	2.01	0.582	1.87	U	1.87	0.543	2.02	UJ	2.02	0.586	0.858	UJ	1.87	0.543	1.89	U	1.89	0.548	1.71	J	1.71	0.496
Perfluorooctanesulfonic Acid (PFOS)	10	6.21	UJ	2.01	0.506	5.22		1.87	0.472	83.3		2.02	0.509	135		1.87	0.472	103		1.89	0.476	106		1.71	0.431
Perfluorooctanoic Acid (PFOA)	10	72.9		2.01	0.237	69.2		1.87	0.221	199		2.02	0.238	148		1.87	0.221	26.7		1.89	0.223	25.7		1.71	0.202
Perfluoropentanoic Acid (PFPeA)	100	3.5		2.01	0.397	23.2		1.87	0.37	692		2.02	0.4	29.8		1.87	0.371	13.4		1.89	0.374	13.6		1.71	0.338
Perfluorotetradecanoic Acid (PFTA)	100	2.01	U	2.01	0.249	1.87	U	1.87	0.232	2.02	U	2.02	0.25	1.87	U	1.87	0.232	1.89	U	1.89	0.234	1.71	U	1.71	0.212
Perfluorotridecanoic Acid (PFTrDA)	100	2.01	U	2.01	0.328	1.87	U	1.87	0.306	2.02	U	2.02	0.33	1.87	U	1.87	0.306	1.89	U	1.89	0.309	1.71	U	1.71	0.28
Perfluoroundecanoic Acid (PFUnA)	100	2.01	U	2.01	0.261	1.87	U	1.87	0.243	2.02	U	2.02	0.263	0.521	J	1.87	0.243	1.89	U	1.89	0.246	1.71	U	1.71	0.222
Total PFAS (including PFOA/PFOS)	500	112.13		0.00201	0.000237	154.87		0.00187	0.000221	1896.05		2.02	0.238	452.51		0.00187	0.000221	183.2		1.89	0.223	185.55		1.71	0.202

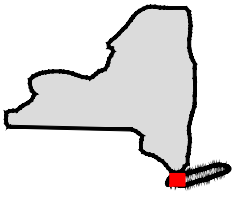
Notes:
All values are in µg/L, except for values for PFAS compounds which are in ng/L.
:Results exceed 6NYCRR Part 703.5 Groundwater Quality Standards (GWQS)
:Results exceed the guidance values set by the NYDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Guidance under NYSDEC's Part 375 Remedial Program.
ITALICS : The detection limit is greater than the GWQS.
NC = No Criteria
- = No Value
*Guidance values are derived from the Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Guidance under NYSDEC's Part 375 Remedial Program, and GWQS values are derived from the 6NYCRR Part 703.5 Water Quality Standards for Taste-, Color- and Odor-producing, Toxic and Other Deleterious Substances.
Duplicate sample 20200914-DUP was taken at MW-5.

Qualifier (Q) Key
Q = Laboratory data qualifier.
J = The value is estimated.
B = The analyte was detected above the reporting limit in the associated method blank.
U - Not detected at the reported detection limit for the sample.
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.
ND = The compound was not detected.

FIGURES



NEW YORK



QUADRANGLE LOCATION

SOURCE:

BASE MAP FROM THE FOLLOWING USGS QUADRANGLE MAP:
BROOKLYN, NY (2019)

DIGITAL TOPOGRAPHIC MAPS PROVIDED BY USGSSTORE.GOV.

CONTOUR ELEVATIONS REFERENCE NAVD 88,
CONTOURS ARE SHOWN IN FEET AT 10' INTERVALS

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100 UNION AVENUE
BROOKLYN, NEW YORK

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
100 UNION HOLDINGS, LLC

SITE LOCATION MAP

PROJ MGR: MH	REVIEWED BY: MB	CHECKED BY: MH	FIGURE 1
DESIGNED BY: MB	DRAWN BY: MT	SCALE: 1" = 2,000'	
DATE: NOVEMBER 2020	PROJECT NO. 12.0076932.00	REVISION NO.	SHEET NO.

© 2019 – GZA GeoEnvironmental, Inc. GZA–J:\76900'S\12.0076932.00\FIGURES\CAD\76932.00.F1.DWG 1 SEPTEMBER 2, 2016 MIGUEL TORRES

MIDDLETON STREET

SIDEWALK

SUSPECT VENT PIPE

FORMER TRENCH DRAIN CONNECTED TO OIL WATER SEPERATOR

LOT 15

BLOCK 2242

SUSPECT FILL PORT

AUTO SALVAGE YARD

HARRISON AVENUE

HARMONY TRIANGLE

UNION AVENUE

SIDEWALK

100 UNION AVENUE BLOCK 2242 LOT 3

LOT 57

LOT 7502

NYCT BROADWAY-LORIMER STREET SUBSTATION

LORIMER STREET

ELECTRICAL VAULT

LOT 2

LOT 1

SIDEWALK

SIDEWALK

SIDEWALK

CURB LINE

N

0 10 20 40 60

SCALE IN FEET

LEGEND:

SITE

FORMER ONE STORY TOW TRUCK GARAGE FOOTPRINT

GENERAL NOTES:

1. BASEMAP DEVELOPED FORM NEW YORK CITY DEPARTMENT OF CITY PLANNING MAPPLUTO VERSION 19V1.

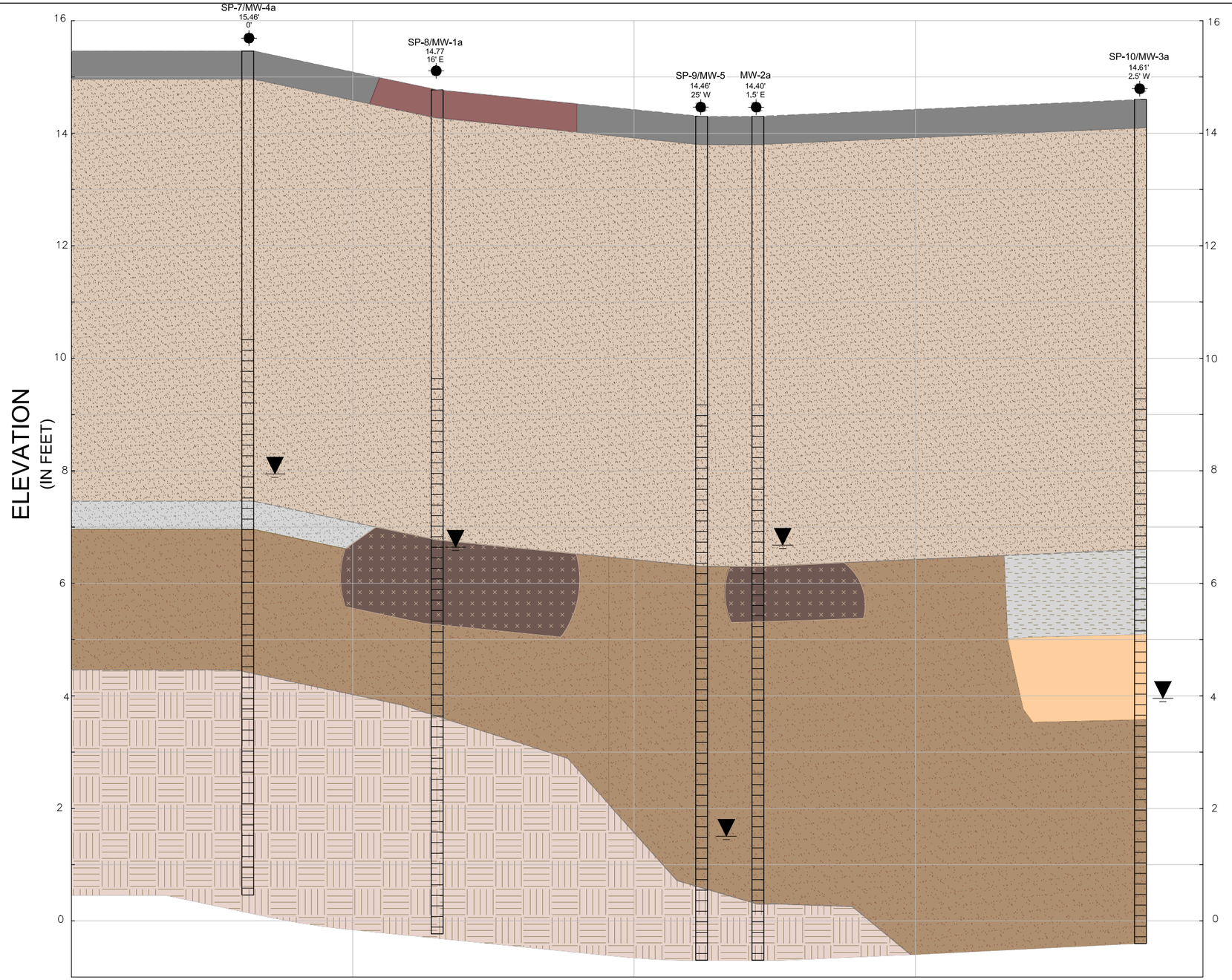
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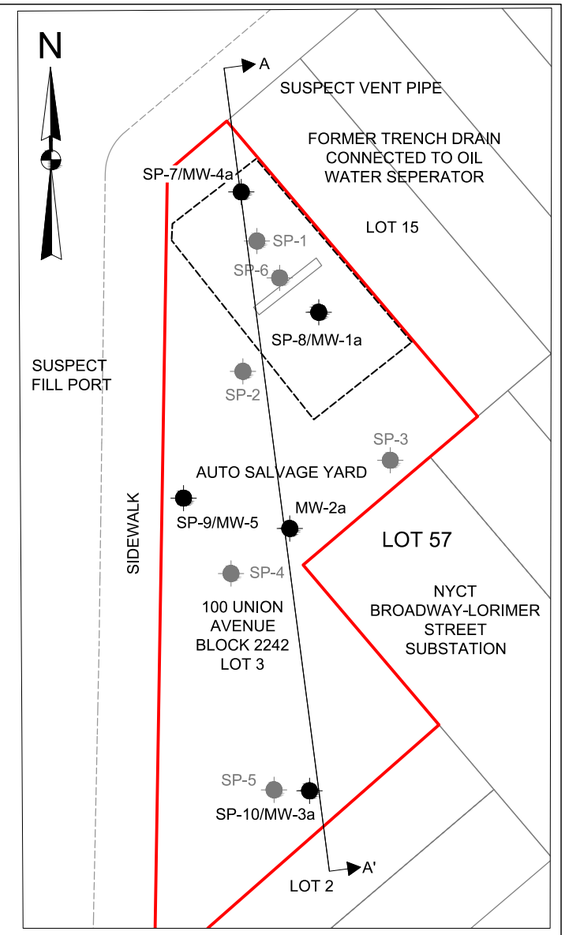
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100 UNION AVENUE SITE REDEVELOPMENT
100 UNION AVENUE
BROOKLYN, NEW YORK

SITE PLAN

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		100 UNION HOLDINGS, LLC	
PROJ MGR: MH	REVIEWED BY: MB	CHECKED BY: MH	FIGURE 2
DESIGNED BY: MH	DRAWN BY: MT	SCALE: 1" = 20'	
DATE: AUGUST 2021	PROJECT NO. 12.0076932.00	REVISION NO.	SHEET NO.





ASPHALT
BROWN TOPSOIL/GRAVEL
DARK BROWN SILT
BROWN TO GRAY SILTY CLAY
FILL
WHITE FINE SAND
BROWN TO GRAY SILTY SAND
BROWN TO GRAY CLAY
TAN MEDIUM SAND

SUBSURFACE PROFILE A - A'

1" = 1'
0 6" 1 2
1" = 10'
0 5 10 20

MW-2A — INDICATES BOREHOLE DESIGNATION
EL.=-14.40' — INDICATES SURFACE ELEVATION OF BORING
2.5' E — INDICATES DISTANC AND (DIRECTION) OFFSET FROM PROFILE LINE
INDICATES DEPTH TO WATER
SCREEN DEPTH

LEGEND:

- SITE
- FORMER ONE STORY TOW TRUCK GARAGE FOOTPRINT
- SP-# / MW-# — SOIL BORING / MONITORING WELL LOCATION
- SP-# / MW-# — HISTORICAL ENVIRONMENTAL SOIL BORING / MONITORING WELL LOCATION INSTALLED IN MAY 2014 BY HYDRO TECH ENVIRONMENTAL ENGINEERING AND GEOLOGY.

GENERAL NOTES:

1. BASEMAP DEVELOPED FORM NEW YORK CITY DEPARTMENT OF CITY PLANNING MAPPLUTO VERSION 19V1.

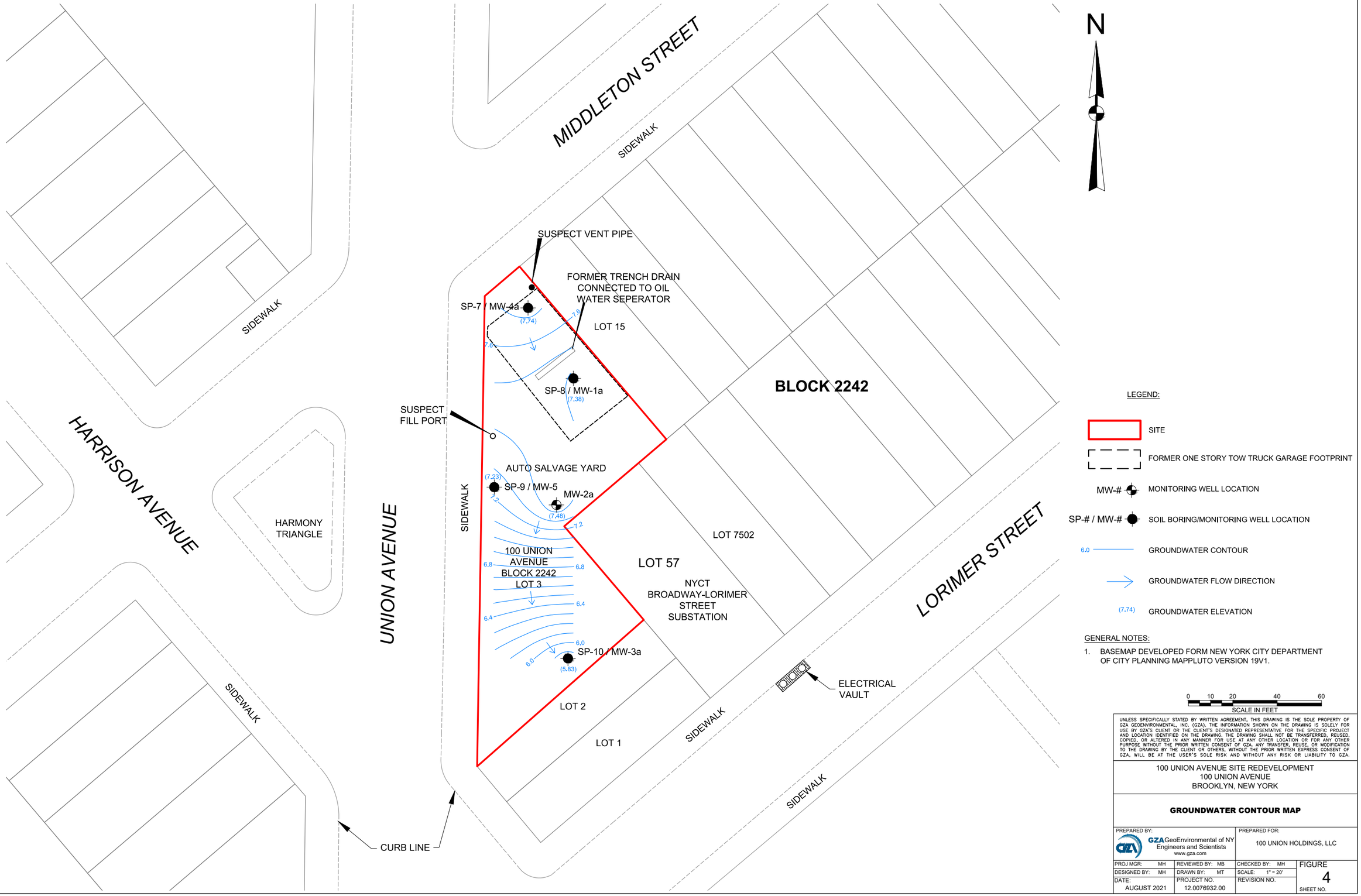
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100 UNION AVENUE SITE REDEVELOPMENT
100 UNION AVENUE
BROOKLYN, NEW YORK

GEOLOGIC CROSS-SECTION

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 100 UNION HOLDINGS, LLC	
PROJ MGR: MH	REVIEWED BY: MB	CHECKED BY: MH	FIGURE 3
DESIGNED BY: MH	DRAWN BY: MT	SCALE: 1" = 20'	
DATE: AUGUST 2021	PROJECT NO. 12.0076932.00	REVISION NO.	SHEET NO.

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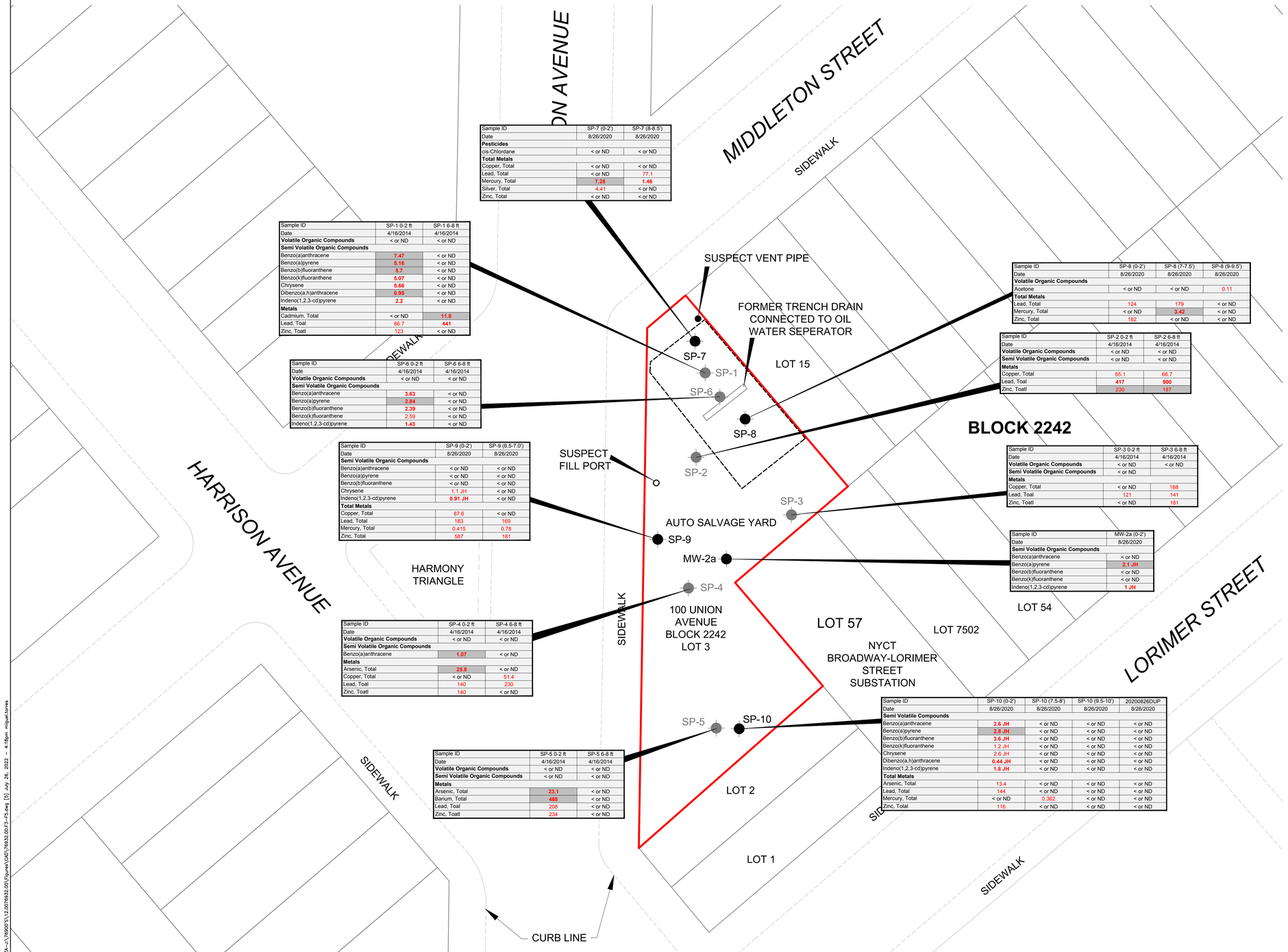


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100 UNION AVENUE SITE REDEVELOPMENT
100 UNION AVENUE
BROOKLYN, NEW YORK

GROUNDWATER CONTOUR MAP

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 100 UNION HOLDINGS, LLC	
PROJ MGR: MH	REVIEWED BY: MB	CHECKED BY: MH	FIGURE 4
DESIGNED BY: MH	DRAWN BY: MT	SCALE: 1" = 20'	SHEET NO.
DATE: AUGUST 2021	PROJECT NO. 12.0076932.00	REVISION NO.	



Sample ID	SP-7 (0-2')	SP-7 (8-8.5')
Date	8/26/2020	8/26/2020
Pesticides		
cis-Chlordane	< or ND	< or ND
Total Metals		
Copper, Total	< or ND	< or ND
Lead, Total	< or ND	77.1
Mercury, Total	7.28	1.46
Silver, Total	4.41	< or ND
Zinc, Total	< or ND	< or ND

Sample ID	SP-1 0-2 ft	SP-1 6-8 ft
Date	4/16/2014	4/16/2014
Volatile Organic Compounds	< or ND	< or ND
Semi Volatile Organic Compounds		
Benzo(a)anthracene	7.47	< or ND
Benzo(a)pyrene	5.16	< or ND
Benzo(b)fluoranthene	5.7	< or ND
Benzo(k)fluoranthene	5.07	< or ND
Chrysene	5.66	< or ND
Dibenzo(a,h)anthracene	0.95	< or ND
Indeno(1,2,3-cd)pyrene	2.2	< or ND
Metals		
Cadmium, Total	< or ND	11.8
Lead, Toal	86.7	441
Zinc, Toatl	123	< or ND

Sample ID	SP-6 0-2 ft	SP-6 6-8 ft
Date	4/16/2014	4/16/2014
Volatile Organic Compounds	< or ND	< or ND
Semi Volatile Organic Compounds		
Benzo(a)anthracene	3.63	< or ND
Benzo(a)pyrene	2.84	< or ND
Benzo(b)fluoranthene	2.39	< or ND
Benzo(k)fluoranthene	2.59	< or ND
Indeno(1,2,3-cd)pyrene	1.43	< or ND

Sample ID	SP-8 (0-2')	SP-8 (7-7.5')	SP-8 (9-9.5')
Date	8/26/2020	8/26/2020	8/26/2020
Volatile Organic Compounds			
Acetone	< or ND	< or ND	0.11
Total Metals			
Lead, Total	124	179	< or ND
Mercury, Total	< or ND	3.42	< or ND
Zinc, Total	182	< or ND	< or ND

Sample ID	SP-2 0-2 ft	SP-2 6-8 ft
Date	4/16/2014	4/16/2014
Volatile Organic Compounds	< or ND	< or ND
Semi Volatile Organic Compounds	< or ND	< or ND
Metals		
Copper, Total	65.1	66.7
Lead, Toal	417	900
Zinc, Toatl	230	187

Sample ID	SP-3 0-2 ft	SP-3 6-8 ft
Date	4/16/2014	4/16/2014
Volatile Organic Compounds	< or ND	< or ND
Semi Volatile Organic Compounds	< or ND	
Metals		
Copper, Total	< or ND	188
Lead, Toal	121	141
Zinc, Toatl	< or ND	181

Sample ID	SP-9 (0-2')	SP-9 (6.5-7.0')
Date	8/26/2020	8/26/2020
Semi Volatile Organic Compounds		
Benzo(a)anthracene	< or ND	< or ND
Benzo(a)pyrene	< or ND	< or ND
Benzo(b)fluoranthene	< or ND	< or ND
Chrysene	1.1 JH	< or ND
Indeno(1,2,3-cd)pyrene	0.91 JH	< or ND
Total Metals		
Copper, Total	87.6	< or ND
Lead, Total	183	169
Mercury, Total	0.415	0.78
Zinc, Total	587	181

Sample ID	MW-2a (0-2')
Date	8/26/2020
Semi Volatile Organic Compounds	
Benzo(a)anthracene	< or ND
Benzo(a)pyrene	2.1 JH
Benzo(b)fluoranthene	< or ND
Benzo(k)fluoranthene	< or ND
Indeno(1,2,3-cd)pyrene	1 JH

Sample ID	SP-4 0-2 ft	SP-4 6-8 ft
Date	4/16/2014	4/16/2014
Volatile Organic Compounds	< or ND	< or ND
Semi Volatile Organic Compounds		
Benzo(a)anthracene	1.07	< or ND
Metals		
Arsenic, Total	25.8	< or ND
Copper, Total	< or ND	51.4
Lead, Toal	140	230
Zinc, Toatl	140	< or ND

Sample ID	SP-10 (0-2')	SP-10 (7.5-8')	SP-10 (9.5-10')	20200826DUP
Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
Semi Volatile Compounds				
Benzo(a)anthracene	2.6 JH	< or ND	< or ND	< or ND
Benzo(a)pyrene	2.8 JH	< or ND	< or ND	< or ND
Benzo(b)fluoranthene	3.6 JH	< or ND	< or ND	< or ND
Benzo(k)fluoranthene	1.2 JH	< or ND	< or ND	< or ND
Chrysene	2.6 JH	< or ND	< or ND	< or ND
Dibenzo(a,h)anthracene	0.44 JH	< or ND	< or ND	< or ND
Indeno(1,2,3-cd)pyrene	1.8 JH	< or ND	< or ND	< or ND
Total Metals				
Arsenic, Total	13.4	< or ND	< or ND	< or ND
Lead, Total	144	< or ND	< or ND	< or ND
Mercury, Total	< or ND	0.362	< or ND	< or ND
Zinc, Total	116	< or ND	< or ND	< or ND

Sample ID	SP-5 0-2 ft	SP-5 6-8 ft
Date	4/16/2014	4/16/2014
Volatile Organic Compounds	< or ND	< or ND
Semi Volatile Organic Compounds	< or ND	< or ND
Metals		
Arsenic, Total	23.1	< or ND
Barium, Total	468	< or ND
Lead, Toal	208	< or ND
Zinc, Toatl	234	< or ND

LEGEND:

- SITE
- FORMER ONE STORY TOW TRUCK GARAGE FOOTPRINT
- SP-# / MW-# — SOIL BORING / MONITORING WELL LOCATION
- SP-# / MW-# — HISTORICAL ENVIRONMENTAL SOIL BORING / MONITORING WELL LOCATION INSTALLED IN MAY 2014 BY HYDRO TECH ENVIRONMENTAL ENGINEERING & GEOLOGY

GENERAL NOTES:

1. BASEMAP DEVELOPED FORM NEW YORK CITY DEPARTMENT OF CITY PLANNING MAPPLUTO VERSION 19V1.

CHEMBOX KEY

Compound	Soil Cleanup Objectives (SCO)		
Units (mg/kg)	**Commercial**	**Restricted Residential**	**Unrestricted**
Volatile Organic Compounds			
Acetone	500	100	0.05
Semi Volatile Compounds			
Benzo(a)anthracene	5.6	1	1
Benzo(a)pyrene	1	1	1
Benzo(b)fluoranthene	5.6	1	1
Benzo(k)fluoranthene	56	3.9	0.8
Chrysene	56	3.9	1
Dibenzo(a,h)anthracene	0.56	0.33	0.33
Indeno(1,2,3-cd)pyrene	5.6	0.5	0.5
Pesticides			
cis-Chlordane	24	4.2	0.094
Total Metals			
Arsenic, Total	16	16	13
Copper, Total	270	270	50
Lead, Total	1000	400	63
Mercury, Total	2.8	0.81	0.18
Silver, Total	1500	180	2
Zinc, Total	10000	10000	109

Notes:

Red: The concentration exceeds the Unrestricted Soil Clean Up Objectives

BOLD : The concentration exceeds the Restricted Residential Soil Clean Up Objectives

The concentration exceeds the Commercial Soil Clean Up Objectives

< or ND: Less than the standards or not detected

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

J - The value is estimated.

N

0 10 20 40 60

SCALE IN FEET

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100 UNION AVENUE SITE REDEVELOPMENT
100 UNION AVENUE
BROOKLYN, NEW YORK

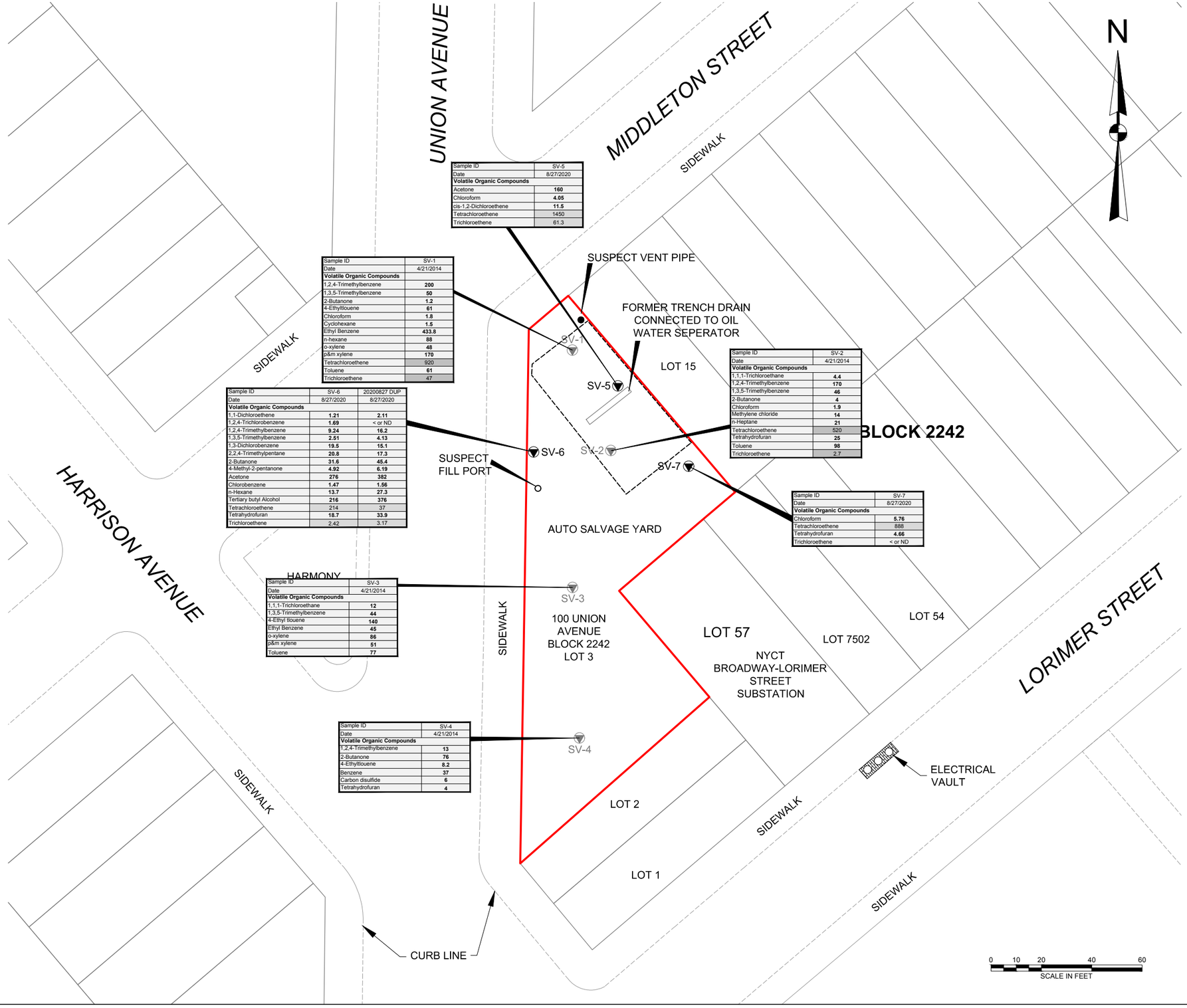
SOIL SAMPLE AND ANALYTICAL RESULTS MAP

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
100 UNION HOLDINGS, LLC

PROJ MGR:	MH	REVIEWED BY:	MB	CHECKED BY:	MH
DESIGNED BY:	MH	DRAWN BY:	MT	SCALE:	1" = 20'
DATE:	JULY 2022	PROJECT NO.	12.0076932.00	REVISION NO.	

FIGURE 5
SHEET NO.



Sample ID	SV-5
Date	8/27/2020
Volatile Organic Compounds	
Acetone	**160**
Chloroform	**4.05**
cis-1,2-Dichloroethene	**11.5**
Tetrachloroethene	1450
Trichloroethene	61.3

Sample ID	SV-1
Date	4/21/2014
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	**200**
1,3,5-Trimethylbenzene	**50**
2-Butanone	**1.2**
4-Ethyltlouene	**61**
Chloroform	**1.8**
Cyclohexane	**1.5**
Ethyl Benzene	**433.8**
n-hexane	**88**
o-xylene	**48**
p&m xylene	**170**
Tetrachloroethene	920
Toluene	**61**
Trichloroethene	47

Sample ID	SV-2
Date	4/21/2014
Volatile Organic Compounds	
1,1,1-Trichloroethane	**4.4**
1,2,4-Trimethylbenzene	**170**
1,3,5-Trimethylbenzene	**46**
2-Butanone	**4**
Chloroform	**1.9**
Methylene chloride	**14**
n-Heptane	**21**
Tetrachloroethene	520
Tetrahydrofuran	**25**
Toluene	**98**
Trichloroethene	2.7

Sample ID	SV-6	20200827 DUP
Date	8/27/2020	8/27/2020
Volatile Organic Compounds		
1,1-Dichloroethene	**1.21**	**2.11**
1,2,4-Trichlorobenzene	**1.69**	< or ND
1,2,4-Trimethylbenzene	**9.24**	**16.2**
1,3,5-Trimethylbenzene	**2.51**	**4.13**
1,3-Dichlorobenzene	**19.5**	**15.1**
2,2,4-Trimethylpentane	**20.8**	**17.3**
2-Butanone	**31.6**	**45.4**
4-Methyl-2-pentanone	**4.92**	**6.19**
Acetone	**276**	**382**
Chlorobenzene	**1.47**	**1.56**
n-Hexane	**13.7**	**27.3**
Tertiary butyl Alcohol	**216**	**376**
Tetrachloroethene	214	37
Tetrahydrofuran	**18.7**	**33.9**
Trichloroethene	2.42	3.17

Sample ID	SV-7
Date	8/27/2020
Volatile Organic Compounds	
Chloroform	**5.76**
Tetrachloroethene	888
Tetrahydrofuran	**4.66**
Trichloroethene	< or ND

Sample ID	SV-3
Date	4/21/2014
Volatile Organic Compounds	
1,1,1-Trichloroethane	**12**
1,3,5-Trimethylbenzene	**44**
4-Ethyl tlouene	**140**
Ethyl Benzene	**45**
o-xylene	**86**
p&m xylene	**51**
Toluene	**77**

Sample ID	SV-4
Date	4/21/2014
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	**13**
2-Butanone	**76**
4-Ethyltlouene	**8.2**
Benzene	**37**
Carbon disulfide	**6**
Tetrahydrofuran	**4**

LEGEND:

SITE

FORMER ONE STORY TOW TRUCK GARAGE FOOTPRINT

SV-# SOIL VAPOR PROBE LOCATION

SV-# HISTORICAL SOIL VAPOR PROBE LOCATION INSTALLED IN MAY 201
BY HYDRO TECH ENVIRONMENTAL ENGINEERING & GEOLOGY

GENERAL NOTES:

1. BASEMAP DEVELOPED FORM NEW YORK CITY DEPARTMENT OF CITY PLANNING MAPPLUTO VERSION 19V1.

CHEMBOX KEY

Compound	Soil Gas Criteria		
Units(ug/m3)	NYSDOH AGV[1]	NYSDOH 2003 Fuel Oil Study[2]	EPA Data 2001 BASE 90th Percentile Value[3]
Volatile Organic Compounds			
1,1,1-Trichloroethane	-	2.5	20.6
1,1-Dichloroethene	-	0.4	<0.7
1,2,4-Trichlorobenzene	-	0.5	<6.8
1,2,4-Trimethylbenzene	-	9.8	9.5
1,3,5-Trimethylbenzene	-	3.9	3.7
1,3-Dichlorobenzene	-	0.5	<2.4
2,2,4-Trimethylpentane	-	5	-
2-Butanone	-	16	12
4-Ethyltlouene	-	-	3.6
4-Methyl-2-pentanone	-	1.9	6
Acetone	-	115	98.9
Benzene	-	13	9.4
Carbon disulfide	-	-	4.2
Chlorobenzene	-	0.4	<1.1
Chloroform	-	1.1	1.2
cis-1,2-Dichloroethylene	-	0.4	<1.9
Cyclohexane	-	-	4.2
Dichlorodifuromethane	-	10	16.5
Ethylbenzene	-	6.4	5.7
Ethyl Acetate	-	-	5.4
Isopropanol	-	-	250
Methylene chloride	60	16	10
n-Heptane	-	18	-
n-Hexane	-	14	10.2
o-Xylene	-	7.1	7.9
p/m-Xylene	-	11	22.2
Tertiary butyl Alcohol	-	-	3.1
Tetrachloroethene	30	2.5	15.9
Tetrahydrofuran	-	0.8	-
Toluene	-	57	43
Trichloroethene	2	0.5	4.2
Trichlorofluromethane	-	12	18.1

Notes:

BOLD: Results exceed the corresponding published background concentrations.

- Results exceed the NYSDOH AGV.

< or ND: Less than the standards or not detected

1. New York State Health Department of Health Air Guidance Values (NYSDOH AGV).
2. Table C1. NYSDOH 2003: Study of volatile organic chemicals in air of fuel oil heated homes, upper fence indoor air.
3. Table C2. EPA 2001: Building assessment and survey evaluation (BASE) databae, SUMMA[a] canister method, 90th percentile indoor air.

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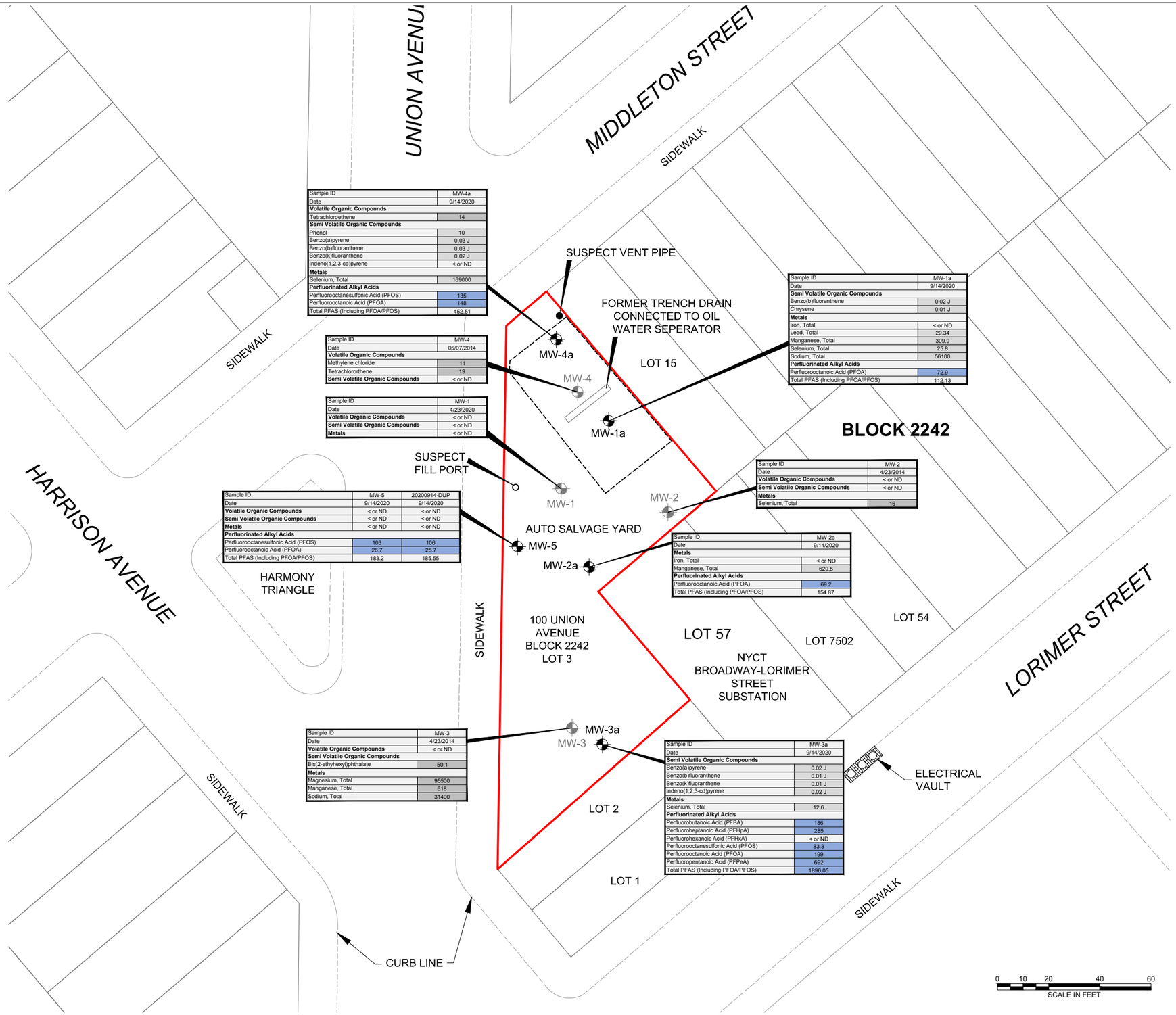
100 UNION AVENUE SITE REDEVELOPMENT
100 UNION AVENUE
BROOKLYN, NEW YORK

SOIL VAPOR SAMPLE AND ANALYTICAL RESULTS MAP

PREPARED BY:	PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	100 UNION HOLDINGS, LLC	
PROJ MGR: MH	REVIEWED BY: MB	CHECKED BY: MH
DESIGNED BY: MH	DRAWN BY: MT	SCALE: 1" = 20'
DATE: JULY 2022	PROJECT NO. 12.0076932.00	REVISION NO.

FIGURE 6 SHEET NO.

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Sample ID	MW-4a
Date	9/14/2020
Volatile Organic Compounds	
Tetrachloroethene	14
Semi Volatile Organic Compounds	
Phenol	10
Benzo(a)pyrene	0.03 J
Benzo(b)fluoranthene	0.03 J
Benzo(k)fluoranthene	0.02 J
Indeno(1,2,3-cd)pyrene	< or ND
Metals	
Selenium, Total	169000
Perfluorinated Alkyl Acids	
Perfluorooctanesulfonic Acid (PFOS)	135
Perfluorooctanoic Acid (PFOA)	148
Total PFAS (Including PFOA/PFOS)	452.51

Sample ID	MW-4
Date	05/07/2014
Volatile Organic Compounds	
Methylene chloride	11
Tetrachlorothene	19
Semi Volatile Organic Compounds	< or ND

Sample ID	MW-1
Date	4/23/2020
Volatile Organic Compounds	< or ND
Semi Volatile Organic Compounds	< or ND
Metals	< or ND

Sample ID	MW-5	20200914-DUP
Date	9/14/2020	9/14/2020
Volatile Organic Compounds	< or ND	< or ND
Semi Volatile Organic Compounds	< or ND	< or ND
Metals	< or ND	< or ND
Perfluorinated Alkyl Acids		
Perfluorooctanesulfonic Acid (PFOS)	103	106
Perfluorooctanoic Acid (PFOA)	26.7	25.7
Total PFAS (Including PFOA/PFOS)	183.2	185.55

Sample ID	MW-3
Date	4/23/2014
Volatile Organic Compounds	< or ND
Semi Volatile Organic Compounds	
Bis(2-ethyhexyl)phthalate	50.1
Metals	
Magnesium, Total	95500
Manganese, Total	618
Sodium, Total	31400

Sample ID	MW-1a
Date	9/14/2020
Semi Volatile Organic Compounds	
Benzo(b)fluoranthene	0.02 J
Chrysene	0.01 J
Metals	
Iron, Total	< or ND
Lead, Total	29.34
Manganese, Total	309.9
Selenium, Total	25.8
Sodium, Total	56100
Perfluorinated Alkyl Acids	
Perfluorooctanoic Acid (PFOA)	72.9
Total PFAS (Including PFOA/PFOS)	112.13

Sample ID	MW-2
Date	4/23/2014
Volatile Organic Compounds	< or ND
Semi Volatile Organic Compounds	< or ND
Metals	
Selenium, Total	16

Sample ID	MW-2a
Date	9/14/2020
Metals	
Iron, Total	< or ND
Manganese, Total	629.5
Perfluorinated Alkyl Acids	
Perfluorooctanoic Acid (PFOA)	69.2
Total PFAS (Including PFOA/PFOS)	154.87

Sample ID	MW-3a
Date	9/14/2020
Semi Volatile Organic Compounds	
Benzo(a)pyrene	0.02 J
Benzo(b)fluoranthene	0.01 J
Benzo(k)fluoranthene	0.01 J
Indeno(1,2,3-cd)pyrene	0.02 J
Metals	
Selenium, Total	12.6
Perfluorinated Alkyl Acids	
Perfluorobutanoic Acid (PFBA)	186
Perfluoroheptanoic Acid (PFHpA)	285
Perfluorohexanoic Acid (PFHxA)	< or ND
Perfluorooctanesulfonic Acid (PFOS)	83.3
Perfluorooctanoic Acid (PFOA)	199
Perfluoropentanoic Acid (PFPeA)	692
Total PFAS (Including PFOA/PFOS)	1896.05

LEGEND:

- SITE
- FORMER ONE STORY TOW TRUCK GARAGE FOOTPRINT
- MW-# MONITORING WELL LOCATION
- MW-# HISTORICAL MONITORING WELL LOCATION INSTALLED IN MAY 2017 BY HYDRO TECH ENVIRONMENTAL ENGINEERING & GEOLOGY

GENERAL NOTES:

1. BASEMAP DEVELOPED FORM NEW YORK CITY DEPARTMENT OF CITY PLANNING MAPPLUTO VERSION 19V1.

CHEMBOX KEY

Compound		
Units (ug/L)	Ambient Water Quality Standards	NYDECs' Guidelines for sampling and Analysis of PFAS
Volatile Organic Compounds		
Tetrachloroethene	5	NC
Semi Volatile Compounds		
Phenol	1	NC
Bis (2-ethylhexyl)phthalate	5	NC
Benzo(a)pyrene	0	NC
Benzo(b)fluoranthene	0.002	NC
Benzo(k)fluoranthene	0.002	NC
Chrysene	0.002	NC
Indeno(1,2,3-cd)pyrene	0.002	NC
Total Metals		
Iron, Total	300	NC
Lead, Total	25	NC
Manganese, Total	300	NC
Magnesium, Total	35000	NC
Selenium, Total	10	NC
Perfluorinated Alkyl Acids (ng/L)		
Perfluorobutanoic Acid (PFBA)	NC	100
Perfluoroheptanoic Acid (PFHpA)	NC	100
Perfluorohexanoic Acid (PFHxA)	NC	100
Perfluorooctanoic Acid (PFOA)	NC	10
Perfluorooctanesulfonic Acid (PFOS)	NC	10
Perfluoropentanoic Acid (PFPeA)	NC	100
Total PFAS (indluing PFOA/PFOS)	NC	500

Notes:

: Results exceed 6NYCRR Part 703.5 Groundwater Quality Standards (GWQS)

:Results exceed the criteria set by the NYDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Guidance under NYSDEC's Part 375 Remedial Program.

< or ND: Less than the standard or not detected

NC: No criteria

J - The value is estimated.

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100 UNION AVENUE SITE REDEVELOPMENT
100 UNION AVENUE
BROOKLYN, NEW YORK

GROUNDWATER SAMPLE AND ANALYTICAL RESULTS MAP

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com

PREPARED FOR: 100 UNION HOLDINGS, LLC

PROJ MGR: MH	REVIEWED BY: MB	CHECKED BY: MH	FIGURE 7
DESIGNED BY: MH	DRAWN BY: MT	SCALE: 1" = 20'	
DATE: JULY 2022	PROJECT NO. 12.0076932.00	REVISION NO.	SHEET NO.

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APPENDIX A – GEOPHYSICAL SURVEY REPORT

GEOPHYSICAL ENGINEERING SURVEY REPORT

Commercial Property
100 Union Avenue,
Brooklyn, New York 11206

NOVA PROJECT NUMBER:
20-1789

DATED:
July 13, 2020

PREPARED FOR:

GZA

55 Lane Road
Fairfield, New Jersey 07004

PREPARED BY:

NOVA
GEOPHYSICAL
ENGINEERING
Subsurface Mapping Solutions
56-01 Marathon Parkway # 765
Douglaston, New York 11362
347-556-7787 (PHONE)
718-261-1527(FAX)
www.nova-gsi.com

NOVA GEOPHYSICAL SERVICES

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

July 13, 2020

Meredith K. Hayes
Senior Project Manager | Sediment Practice Director
GZA
55 Lane Road,
Fairfield, New Jersey 07004
P: 973.774.3332 | E: Meredith.hayes@gza.com

Re: Geophysical Engineering Survey (GES) Report
Commercial Site
100 Union Avenue,
Brooklyn, New York 11206

Dear Ms. Hayes,

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 100 Union Avenue, Brooklyn, New York 11206 (the "Site").

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks and other substructures on July 2nd, 2020.

The equipment selected for this investigation was a GSSI UtilityScan 350 MHz ground penetrating radar (GPR) with a shielded antenna and a Radio Detection RD7100 Electromagnetic utility locator.

A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 350 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

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

GEOPHYSICAL METHODS

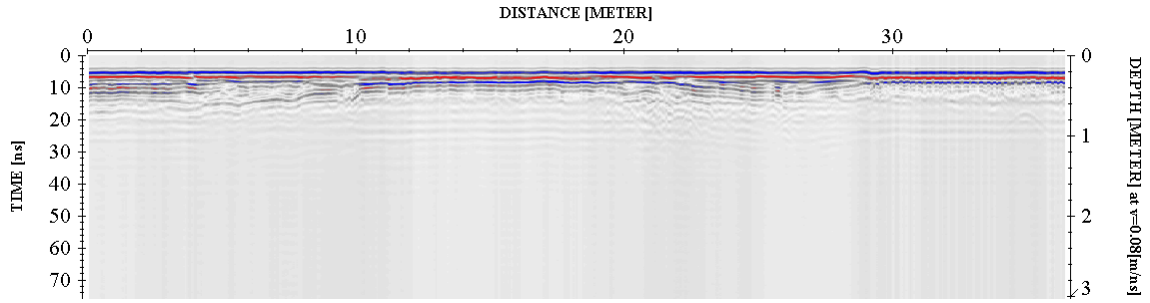
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

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

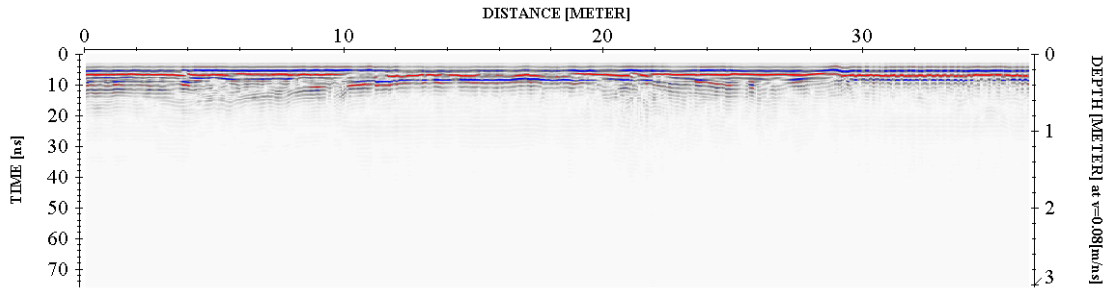
DATA PROCESSING

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

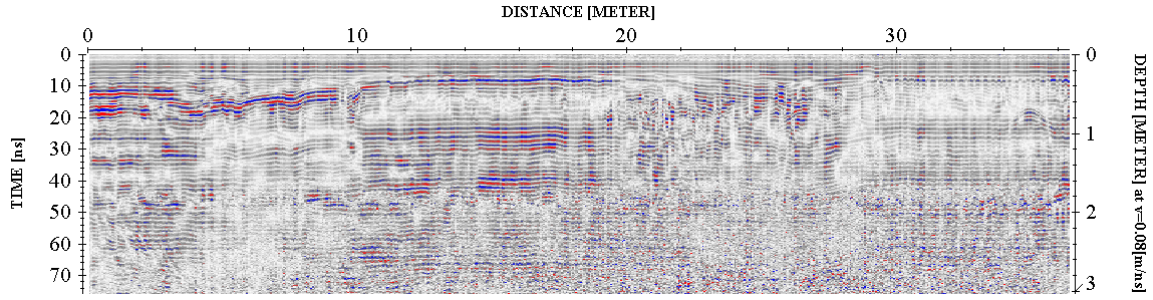
Step 1. Import Raw RAMAC data to standard processing format



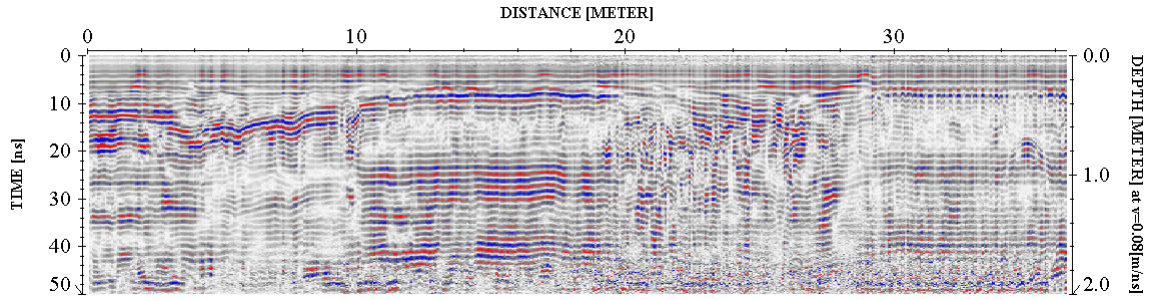
Step 2. Remove instrument noise *(dewow)*



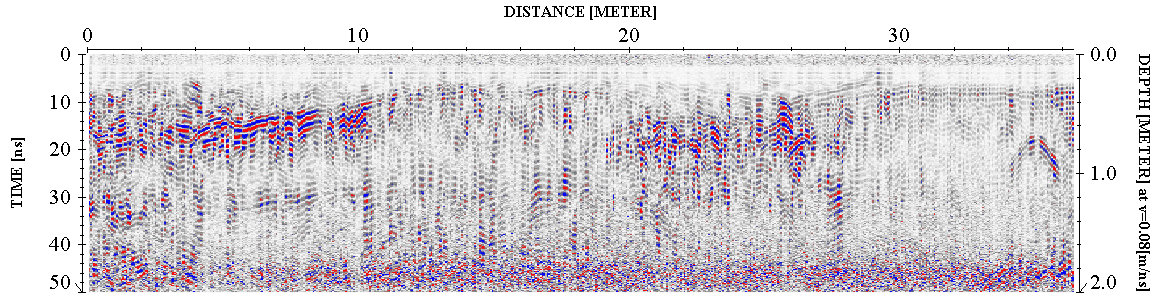
Step 3. Correct for attenuation losses *(energy decay function)*



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



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



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

PHYSICAL SETTINGS

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

Weather: Clear

Temperature: 80° F

Surface: Concrete, Vegetation, Soil, Asphalt

Geophysical Noise Level (GNL): The GNL was high at the site. The noise was a result of the site being located in an urban environment. Obstacles, such as debris piles and overgrown vegetation severely decreased the accessibility at the site.

RESULTS

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

- No anomalies resembling active utilities were identified during the GES.
- A geophysical anomaly resembling a potential former foundation wall was identified during the GES and is shown in the survey plan.
- No large geophysical anomalies resembling an underground storage tank (UST) were identified during the GES.
- All detected subsurface anomalies were marked in the onsite mark out.
- All cleared boring locations were marked in the onsite mark out.

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

Sincerely,

NOVA Geophysical Services



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

Project Engineer

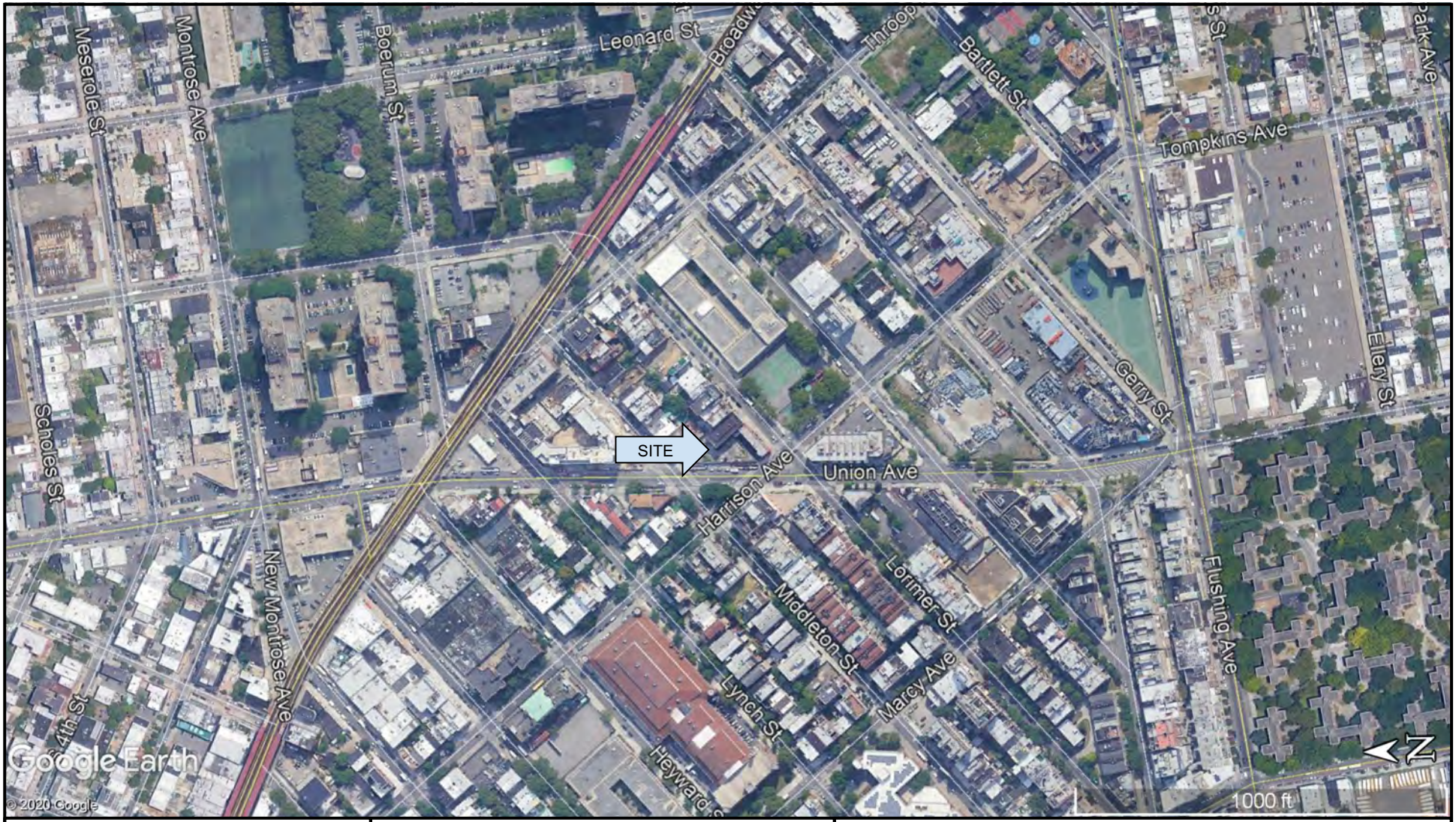
Attachments:

Location Map

Survey Plan

Geophysical Images

SITE LOCATION MAP
&
SURVEY PLAN



NOVA Geophysical Services

Subsurface Mapping Solutions
56-01 Marathon Parkway, # 765
Douglaston, New York 11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.novagsi.com

Location Map

SITE:	**Commercial Site** 100 Union Avenue, Brooklyn, New York 11206
CLIENT:	GZA
DATE:	July 2, 2020
AUTH:	Chris Steinley

LEGEND



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SURVEY PLAN

SITE:	**Commercial Site** 100 Union Avenue, Brooklyn, New York 11206
CLIENT:	GZA
DATE:	July 2, 2020
AUTH:	Chris Steinley

LEGEND

- Survey Area
- Foundation Wall

GEOPHYSICAL IMAGES

GEOPHYSICAL IMAGES

Commercial Site
100 Union Avenue,
Brooklyn, New York 11206
July 2, 2020







GEOPHYSICAL IMAGES

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Brooklyn, New York 11206
July 2, 2020









GEOPHYSICAL IMAGES

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GEOPHYSICAL IMAGES

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July 2, 2020









APPENDIX B–SOIL BORING AND MONITORING WELL LOGS

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Monitoring Well Log **MW-2a**

Sheet 1 of 1

Project	Isaac Feuerwerger	Location	100 Union Avenue
Project No.	12.0076932.00	Client	100 Union Holdings, LLC
Drilling Company	ADT	Elevation and Datum	Approx. 14.24 NAVD 88
Drilling Equipment	Geoprobe 7822DT	Drilling Method	Direct Push/HSA
Date Started	8/26/20	Date Finished	8/27/20
Sampler	Mike Bastidas	Final Boring Depth	15 ft
Depth to Rock			
Sampler Hammer		Weight (lbs)	Drop (in)
Groundwater Depth (ft)	Initial ▽	Completion ▼ 7.6	24 Hours ▼
Drilling Foreman	Robert Allegezza	GZA Inspector	Mike Bastidas
Checked By	Meredith Hayes		

Depth (ft)	Sample Description	PID Reading (ppm)	Elev. (ft)	Material Symbol	Sample Data: Number	Type	Recov. (in)	Penetr. resist Bl/6in	Well Diagram	Remarks
0	Asphalt	0	+14.2							
1	Brown Medium SAND some gravel, some cinders, dry	0	+13.7						Native Fill	
2		0								
3		0							PVC Riser	
4		0							Bentonite	
5		0	+9.2			PUSH	44			
6	Brown Medium SAND some gravel, some cinders, brick fragments, dry	0								
7	▼	0								Depth to wet soils = 7 feet
8	Dark brown SILT with decomposed vegetation, wet, sulfur odor	3.6	+6.2							
9	Silty SAND, wet	0	+5.2						#2 Sand	
10	Gray Silty SAND	0	+4.2						0.010" Slotted Screen	
11		0								
12		0								
13		0								
14	Gray CLAY	0	+0.2							
15		0	-0.8							Final boring depth at 15 feet
16										
17										
18										
19										

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Monitoring Well Log **SP-10/MW-3a**

Sheet 1 of 1

Project: Isaac Feuerwerger		Location: 100 Union Avenue	
Project No.: 12.0076932.00		Client: 100 Union Holdings, LLC	
Drilling Company: ADT		Elevation and Datum: Approx. 14.32 NAVD 88	
Drilling Equipment: Geoprobe 7822DT	Drilling Method: Direct Push/HSA	Date Started: 8/26/20	Date Finished: 8/27/20
Sampler: Mike Bastidas		Final Boring Depth: 15 ft	Depth to Rock:
Sampler Hammer:	Weight (lbs): / Drop (in):	Groundwater Depth (ft): Initial ▽	Completion ▼10.7 / 24 Hours ▼
Drilling Foreman: Robert Allegezza		GZA Inspector: Mike Bastidas	Checked By: Meredith Hayes

Depth (ft)	Sample Description	PID Reading (ppm)	Elev. (ft)	Sample Data: Number	Type	Recov. (in)	Penetr. resist Bl/6in	Well Diagram	Remarks
0	Asphalt		+14.3						
			+13.8						
1	Black Medium SAND, some cinder	0	+13.3						
	Brown/Tan Medium SAND, tile, brick, dry	0						Native Fill	
2		0							Sampled SP-10 at 0-2 feet
		0						PVC Riser	
3		0						Bentonite	
4					PUSH	32			
5			+9.3						
	Brown/Tan Medium SAND, tile, brick, dry	0							
6		0							
		0							
7		0							
		0							
8	Brown/Gray Silty CLAY, moist	0	+6.3						Sampled SP-10 at 7.5-8 feet
9			+4.8					#2 Sand	
	Tan medium SAND, moist								
10	Tan medium SAND, wet		+4.3					0.010" Slotted Screen	Sampled SP-10 at 9.5-10 feet, one duplicate
	▼	0			PUSH	44			Depth to groundwater = 10.5 feet
11	Tan silty SAND, Trace Clay	0	+3.3						
		0							
12		0							
		0							
13		0			PUSH	44			
		0							
14		0							
		0							
15			-0.7						Final bore depth at 15 feet
16									
17									
18									
19									

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Monitoring Well Log **SP-7/MW-4a**

Sheet 1 of 1

Project: Isaac Feuerwerger		Location: 100 Union Avenue	
Project No.: 12.0076932.00		Client: 100 Union Holdings, LLC	
Drilling Company: ADT		Elevation and Datum: Approx. 15.18 NAVD 88	
Drilling Equipment: Geoprobe 7822DT	Drilling Method: Direct Push/HSA	Date Started: 8/26/20	Date Finished: 8/27/20
Sampler: Mike Bastidas		Final Boring Depth: 15 ft	Depth to Rock:
Sampler Hammer:	Weight (lbs): / Drop (in):	Groundwater Depth (ft): Initial ▽	Completion ▼ 7.5 / 24 Hours ▼
Drilling Foreman: Robert Allegezza		GZA Inspector: Mike Bastidas	Checked By: Meredith Hayes

Depth (ft)	Sample Description	PID Reading (ppm)	Elev. (ft)	Sample Data: Number	Type	Recov. (in)	Penetr. resist Bl/6in	Well Diagram	Remarks
0	Asphalt		+15.2						
	Dark brown Medium SAND, some medium Gravel, dry	.6	+14.7					Native Fill	
1		.2							
2					PUSH	29		PVC Riser	Sampled SP-7 from 0-2 feet
3								Bentonite	
4									
5									Poor recover 0-5 feet, about 2.5 feet recovery
6									
7	▼	0							
	White fine SAND, dry	0	+7.7						
8	Gray Silty SAND, trace Clay, wet	0	+6.7						
9		0						#2 Sand	Depth to groundwater = 9 feet
10	Gray CLAY, dry	0	+5.2		PUSH	36		0.010" Slotted Screen	
11		0							
12		0							
13		0							
14		0							
15		0	+0.2						Final bore depth
16									
17									
18									
19									

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Monitoring Well Log **SP-8/MW-1a**

Sheet 1 of 1

Project: Isaac Feuerwerger		Location: 100 Union Avenue	
Project No.: 12.0076932.00		Client: 100 Union Holdings, LLC	
Drilling Company: ADT		Elevation and Datum: Approx. 14.27 NAVD 88	
Drilling Equipment: Geoprobe 7822DT	Drilling Method: Direct Push/HSA	Date Started: 8/26/20	Date Finished: 8/27/20
Sampler: Mike Bastidas		Final Boring Depth: 15 ft	Depth to Rock:
Sampler Hammer:	Weight (lbs): / Drop (in):	Groundwater Depth (ft): Initial ▽	Completion ▼ 8.2 / 24 Hours ▼
Drilling Foreman: Robert Allegezza		GZA Inspector: Mike Bastidas	Checked By: Meredith Hayes

Depth (ft)	Sample Description	PID Reading (ppm)	Elev. (ft)	Sample Data: Number	Type	Recov. (in)	Penetr. resist Bl/6in	Well Diagram	Remarks
0	Brown topsoil and gravel		+14.3						
1	Brown medium SAND, some medium Gravel, dry	0	+13.8					Native Fill	
2		0			PUSH	36			Sampled SP-8 at 0-2 feet
3		0						PVC Riser	
4		0.1						Bentonite	
5									
6		0							
7		0							
8	Dark brown SILT with decomposed vegatation, wet ▼	5.6 / 11.8 / 3.0	+6.3						sampled SP-8 at 7-7.5 feet; Depth to groundwater = 8 feet
9	Gray Silty SAND, trace clay, wet		+4.8					#2 Sand	
10	Gray Clay, Dry	0	+4.3		PUSH	36		0.010" Slotted Screen	
11		0							
12		0			PUSH	60			
13		0							
14		0							
15		0	-0.7						Final bore depth at 15 feet
16									
17									
18									
19									

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Monitoring Well Log **SP-9/MW-5**

Sheet 1 of 1

Project: Isaac Feuerwerger		Location: 100 Union Avenue	
Project No.: 12.0076932.00		Client: 100 Union Holdings, LLC	
Drilling Company: ADT		Elevation and Datum: Approx. 14.43 NAVD 88	
Drilling Equipment: Geoprobe 7822DT	Drilling Method: Direct Push/HSA	Date Started: 8/26/20	Date Finished: 8/27/20
Sampler: Mike Bastidas		Final Boring Depth: 15 ft	Depth to Rock:
Sampler Hammer:	Weight (lbs): / Drop (in):	Groundwater Depth (ft): Initial ▽	Completion ▼12.8 / 24 Hours ▼
Drilling Foreman: Robert Allegezza		GZA Inspector: Mike Bastidas	Checked By: Meredith Hayes

Depth (ft)	Sample Description	PID Reading (ppm)	Elev. (ft)	Material Symbol	Sample Data: Number	Type	Recov. (in)	Penetr. resist Bl/6in	Well Diagram	Remarks
0	Asphalt		+14.4							Sampled at 0-2 feet
1	Black fine SAND and cinders	0	+13.9						Native Fill	
2	Brown medium SAND,some Gravel,dry, tile fragments	0	+12.9			PUSH	36		PVC Riser; Bentonite	
3		0								
4		0								
5										
6										
7		0								Sampled from 6.5-7.5
8	Gray silty SAND, trace clay, wet	0	+6.4			PUSH	36			Depth to groundwater = 7.5 feet
9		0								
10	Brown/Gray CLAY		+4.4						#2 Sand; 0.010" Slotted Screen	
11		0								
12		0								
13		0								
14		0								
15			-0.6							Final bore depth
16										
17										
18										
19										

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APPENDIX C – SOP B01 — SAMPLING FOR PER- AND POLY-FLUOROALKYL SUBSTANCES

PURPOSE

The purpose of this Standard Operating Procedure (SOP) is to provide guidance for collecting samples for per- and poly-fluorinated alkyl substances (PFAS) analysis. *Please note that PFAS are emerging contaminants; therefore, this SOP will be modified as new information becomes available.*

Because of the potential presence of PFAS in common consumer products and in equipment typically used to collect groundwater samples and the low detection limits associated with laboratory PFAS analysis, special handling and care must be taken when collecting samples for PFAS analysis.

This SOP outlines general practices for collecting PFAS samples and provides a summary of non-acceptable field and sampling materials (likely to contain PFAS) and acceptable alternatives.

BACKGROUND

Based on U.S. Environmental Protection Agency (USEPA) guidance[1], "per- and polyfluoroalkyl substances (PFAS)" is the preferred term to refer to this class of chemicals, although the general public and others may also refer to them as "perfluorinated chemicals (PFCs)" or "perfluorinated compounds (PFCs)."

PFAS are a family of man-made compounds that do not naturally occur in the environment. They have a large number of industrial uses and are found in many commercial products because of their properties to resist heat, oil, grease, and water. Once released to the environment, PFAS are persistent and do not readily biodegrade or break down. There are areas within the United States where widespread PFAS impacts to drinking water supplies have been identified.

The USEPA issued drinking water lifetime health advisories for two PFAS, perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) on May 19, 2016. The State of Michigan has adopted three groundwater standards (effective January 2018): 70 parts per trillion (ppt) for PFOA, 70 ppt for perfluorooctane sulfonic acid (PFOS), and 70 ppt for PFOA and PFOS combined, where the chemicals are found together.

RESOURCES

Frequently asked questions, fact sheets and additional information concerning PFAS can be found on the EPA website[2]. The Northeast Waste Management Officials' Association (NEWMOA) provided a five-part webinar training[3] series in 2016. The National Groundwater Association (NGWA) published a PFAS guidance document *Groundwater and PFAS: State of Knowledge and Practice* in 2017. Other training events and information are available online. The Interstate Technology & Regulatory Council (ITRC)[4] is also in the process of preparing educational materials, which will also be available online when completed.

GENERAL GUIDANCE

SITE CONTROL

Due to the ease by which cross-contamination may occur when collecting samples for PFAS analysis, strict site control must be maintained. During daily setup, the field team shall clearly demarcate an exclusion zone (area with approximately 30 feet of sampling location). The exclusion zone shall be marked with stakes, cones, flags, caution tape, or equivalent visual cues. Visitors to the sampling area (including other contractors, managers, regulators, residents, and the public) must stay outside of the exclusion zone while sampling and investigation activities are on-going. If an individual requests access to the exclusion zone, they must receive training on the components of this SOP that are pertinent to the activities occurring at the time of

[1] https://www.epa.gov/pfas/what-are-pfcs-and-how-do-they-relate-and-polyfluoroalkyl-substances-pfass

[2] https://www.epa.gov/pfas/what-are-pfcs-and-how-do-they-relate-and-polyfluoroalkyl-substances-pfass

[3] http://www.newmoa.org/cleanup/workshops.cfm

[4] http://www.itrcweb.org

their access and they will be subject to GZA's health and safety plan. Documentation of all non-GZA personnel within the exclusion zone shall be provided in the daily field summary as well as on the field sample data sheet.

PERSONAL PROTECTIVE EQUIPMENT

Disposable nitrile gloves must be worn at all times within the exclusion zone. Further, a new pair of nitrile gloves shall be donned prior to the following activities at each sample location:

1. Decontamination of re-usable sampling equipment.
2. Contact with sample bottles or water containers.
3. Insertion of anything into the well (e.g., tubing, pump, bailer, water level meter).
4. Insertion of silicon tubing into the peristaltic pump.
5. Sample collection upon completion of monitoring well purging.
6. Handling of any quality assurance/quality control samples including field blanks and equipment blanks.

New gloves shall also be donned after the handling of any non-dedicated sampling equipment, contact with non-decontaminated surfaces, or when judged necessary by field personnel.

Typically 3 pairs of gloves are required when collecting PFAS samples at a location. Gloves may be worn in layers so that gloves are removed between tasks revealing a set of clean gloves below:

- One pair of gloves is used for sample preparation (exclusion zone setup, transporting coolers to the sample site, preparing field documentation);
- A new pair is donned for labeling sample bottles; and
- A new pair is donned for the sample collection. The use of a different colored glove (e.g., bright orange) for the collection of PFAS samples can help provide a visual reminder to prevent cross-contamination.

Note that field blanks and equipment blanks require a clean set of gloves to avoid cross-contamination with the field samples. Once PFAS samples are collected, then bottles for other analytes may be filled if required.

SAMPLE COLLECTION METHOD/SEQUENCE

Bottleware for PFAS samples is provided by the laboratory and should arrive onsite or at the staging area in coolers separate from other (non-PFAS sample) bottleware. Additionally, PFAS bottleware should arrive packaged in Ziploc® brand or equivalent LDPE resealable bags. These bags are used to re-package the PFAS samples following collection. Samples are returned to the laboratory in separate coolers to reduce the likelihood of cross-contamination.

Single-Person Sampling Methodology

When samples are being collected for groundwater or solid only (not drinking water samples), one person may collect the samples rather than a two-person team. A two-person team must be used to collect any samples from residential water supplies or other drinking water sources. The following procedure shall be implemented to reduce the likelihood of cross-contamination:

1. The sampler must put on a clean pair of gloves during equipment set-up, purging, and data monitoring (if applicable).
2. When it is time for sample collection, the sampler must first dispose of the pair of gloves used for Step 1, and wash their hands with approved soap and distilled or deionized water thoroughly.
3. The sampler must put on a new, clean pair of gloves before each of the following:

- Labelling bottles with information for the laboratory.

- Sample collection for PFAS ***first,*** prior to collecting samples for any other parameters into any other containers. The individual shall remove the bottles (one at a time) from the plastic bag, remove the cap and obtain the sample.

4. Do not place the sample bottle cap on any surface when collecting the sample and avoid all contact with the inside of the sample bottle or its cap including the sample ports, spigots, and tubes.

5. Once samples are collected, bottleware is to be placed back in the Ziploc® bag provided by the laboratory and placed in a designated cooler.

6. At no point in steps 2 and 3 shall the individual contact anything (equipment, skin, hair, other sample bottles, etc.) other than the PFAS samples bottles.

Two-Person Sampling Methodology

Where practicable and for any samples collected from drinking water supplies, the two-person sampling procedure shall be used. During sample collection each person has a different role. One person is responsible for handling and labelling the sample bottles and physically collecting the sample (referred to as Clean Hands). The other person is responsible for purging and disposing of purge water and handling all non-dedicated equipment (referred to as Dirty Hands). The typical sampling procedures is:

1. Clean Hands puts on a new pair of gloves and labels the bottles with information for the lab.
2. Clean Hands then places the bottleware back in the Ziploc® bag provided by the laboratory.
3. After donning a new pair of nitrile gloves, Clean Hands collects the sample for PFAS ***first***, prior to collecting samples for any other parameters into any other containers; this avoids contact with any other type of sample container, bottles or packaging materials that may have PFAS-related content. Clean Hands shall remove the bottles (one at a time) from the plastic bag, remove the cap and obtain the sample. Gloves are removed after each sample and clean gloves are donned for subsequent PFAS samples.
4. Do not place the sample bottle cap on any surface when collecting the sample and avoid all contact with the inside of the sample bottle or its cap including with sample ports, spigots, and tubes
5. Once the sample is collected, capped and labeled, place the sample bottle(s) in the laboratory-provided Ziploc® bag and place in a PFAS sample-dedicated cooler packed only with double-bagged ice.

SAMPLES COLLECTED FROM DRINKING WATER SUPPLY WELLS

1. Contact the owner to get permission to sample their drinking water supply well.
2. Collect as much data about the well as possible, such as: the well depth, type of well (e.g., deep bedrock or shallow dug well) and type of treatment system, if any (e.g., a cartridge filter, a water softener, pH adjuster, point of entry, radon, carbon or an ultra violet system).
3. The sample must be collected from a point in the plumbing system that is prior to any type of water treatment system, preferably from the closest spigot to the holding tank in the plumbing system, or the treatment system must be bypassed. For convenience and to prevent unnecessary loading of the septic system, an outside spigot (if available) is preferable to an inside faucet. Note that during winter or freezing conditions or for residences where the spigot is close to the ground, the closest available sample point meeting these requirements may be inside.
4. The water (cold water) is typically purged at a high rate of flow (tap fully open) for 10-15 minutes (a minimum of 10 minutes) and until the full volume of the pressure tank has been purged (typically 42 gallons).
5. Once the well has been purged, reduce the rate of flow to a rate slow enough to allow water to run gently down the

inside of the bottle without splashing.

6. As described above in the **Sample Collection Method/Sequence** section, don a new pair of nitrile gloves and collect PFAS samples ***first***, prior to collecting samples for any other parameters. Remove all adapters, hoses, and attachments from the spigot or sampling port. The PFAS sample must be collected directly from the spigot or sampling port.
7. Do not place the sample bottle cap on any surface when collecting the sample and avoid all contact with the inside of the sample bottle or its cap including sampling ports and spigots.
8. Once the sample is collected, capped, and labeled place the sample in an individual re-sealable plastic bag and then into double-bagged ice (preferably from a verifiable PFAS-free source) within the cooler.
9. Once the PFAS samples have been collected, samples for other parameters (if required) may be collected. Once sampling is complete, shut the water off.
10. Samples should be submitted for analysis for PFAS by EPA Method 537, Revision 1.1 (or the most current revision number).

SAMPLES COLLECTED FROM MONITORING WELLS

1. If collecting field parameters using a multiparameter meter, samples for laboratory analyses must be collected before the flow-through cell and the three-way stopcock. This will be done by disconnecting the three-way stopcock from the pump discharge tubing so that the samples are collected directly from the pump tubing.
2. When feasible, use dedicated, single-use, or disposable polyethylene or silicone materials (tubing, bailers, etc.) for monitoring well purging and sampling equipment.
3. When reuse of materials or sampling equipment across multiple sampling locations is necessary, follow project decontamination protocols as defined in the QAPP and using allowed materials identified in the table below. If reusable equipment is used, incorporate collection of equipment blanks into the sampling program.
4. When using positive displacement/submersible pump or bladder pump sampling equipment, familiarize yourself with the sampling pump/accessory equipment specifications to confirm that device components are not made of nor contain polytetrafluoroethylene (PTFE, also known as Teflon®) or other PFAS-containing components. For details, please see the list of prohibited and allowed items below.
5. Samples should be submitted for analysis for PFAS by a Department of Defense (DOD)-approved isotope dilution method.

SAMPLES COLLECTED DURING PRODUCTION WELL PUMPING TESTS

1. If feasible, do not use tape or pipe thread sealant containing Teflon on pipe fittings or sampling tap threads on the pump discharge pipe.
2. As with all other sample parameters, the sample for PFAS will be collected at the last hour (or hours) of the pumping portion of the testing program, but before the collection of other sample parameters.
3. Discharge water will be purged through the sampling tap on the discharge pipe for a minimum of 20 minutes prior to collection of samples.
4. Drinking water production well samples should be submitted for analysis for PFAS by EPA Method 537, Revision 1.1 (or the most current revision number). Non-drinking water samples should be submitted for analysis for PFAS by a DOD-approved isotope dilution method.

SAMPLES COLLECTED FROM SOIL BORINGS, TEST PITS, SURFACE WATER, OR SHALLOW SOIL/SEDIMENT

1. Don't use detergent to decontaminate drilling or excavation equipment unless otherwise specified in the QAPP, scrub with a plastic brush and rinse thoroughly in approved tap water, then triple-rinse in distilled or deionized water.
2. Use PFAS-free drilling fluids; collect representative water sample used during drilling activities (see sample handling and chain of custody SOP in Appendix A of the site-specific QAPP).

3. Don't re-use PVC materials.
4. Surface water must be collected by inserting a capped sampling container (polypropylene or HDPE) with the opening pointing down to avoid the collection of surface films. The bottle shall be re-capped below the water surface. For additional details see the surface water sampling SOP in Appendix A of the site-specific QAPP.
5. Soil and sediment core samples must be collected directly from single-use PVC liners that must not be decontaminated or reused at different locations.
6. Samples should be submitted for analysis for PFAS by a DOD-approved isotope dilution method.

DECONTAMINATION

Decontamination fluids have been viewed as a possible source of equipment cross-contamination. Therefore, more frequent changes of decontamination liquids may be warranted. Refer to the *Equipment and Materials Table* below for prohibited and acceptable decontamination liquids.

A final rinse with "PFAS-free" deionized (DI) water is required.

ADDITIONAL CONSIDERATIONS

1. No food or drink shall be brought on-site, with the exception of bottled water and hydration drinks (i.e., Gatorade® and Powerade®) and available for consumption only outside of the exclusion zone.
2. When field personnel require a break to eat or drink, they should remove their gloves and coveralls (if used) and move to an appropriate (downwind) location. When finished, field personnel should then wash with approved materials and put their coveralls (if used) and gloves back on prior to returning to the exclusion zone.
3. Visitors to the site are asked to remain outside of the exclusion zone. Visitors wishing to enter the exclusion zone must have appropriate PPE, be trained on applicable portions of this SOP, and will be subject to GZA's health and safety plan.
4. Note that "PFAS-free" water may contain other contaminants (such as VOCs); therefore, equipment blanks collected for PFAS should utilize "PFAS-free" water while those collected for other analytes should use laboratory-provided water or commercial deionized water depending on the site-specific QAPP requirements.
5. Collect a field blank from each batch of PFAS-free DI water while in the field by pouring an aliquot of the water into the appropriate PFAS sample container. Leaving the lid off of the PFAS-free water container and submitting that container to the laboratory is not acceptable.
6. Refer to the site-specific QAPP for the quantity of field blanks to be collected. At a minimum, field blanks must be collected by the person (clean hands) collecting PFAS samples. Consideration should also be given to when the field blank should be collected so that it is representative of the conditions most likely to influence the sample.

EQUIPMENT AND MATERIALS

The following table provides a summary of items that are likely to contain PFAS (i.e., prohibited items) and that are not to be used by the sampling team at the site, along with acceptable alternatives. This list may change as new information becomes available.

Category	Prohibited Items	Allowable Items
Field Equipment Including: • Pumps • Tubing • Bailers	Teflon and other fluoropolymer-containing materials (e.g., Teflon tubing, bailers, tape; Teflon-containing plumbing paste, or other Teflon materials) **Note**: The Grundfos Redi-Flow Submersible Pump is a submersible pump which, as of this revision, has a Teflon impeller and wire coatings that are known to be PFAS-containing and is not recommended for collecting PFAS samples.	High-density polyethylene (HDPE) - *preferred,* or silicone tubing Polypropylene hose barbs and T barbs HDPE or stainless steel bailers Peristaltic pumps Stainless steel submersible pumps (e.g., ProActive stainless steel pumps with PVC [polyvinyl chloride]) leads and Geotech Stainless Steel Geosub pumps) Bladder pumps with polyethylene bladders and tubing need to be evaluated on a case by case basis because the gaskets and O-rings may contain PFAS. Equipment with Viton components needs to be evaluated on a case by case basis. Viton contains PTFE, but may be acceptable if used in gaskets or O-rings that are sealed away and will not come into contact with sample or sampling equipment.) Gasoila NT Non-PTFE Thread Sealant™ has been confirmed by the manufacturer to be PFAS-free and is acceptable for use.
Decontamination	Decon 90	Alconox®, Liquinox®[1], or Citranox®, potable water followed by triple rinse with "PFAS-free" deionized water.
Sample Storage and Preservation	LDPE or glass bottles, PTFE-or Teflon-lined caps, chemical ice packs	Laboratory-provided sample container -*preferred*; or, HDPE or polypropylene bottles with an unlined plastic screw cap, as specified by the laboratory doing the analysis, regular ice double-bagged in Ziploc® brand bags.
Field Documentation	Waterproof/treated paper or field books, recycled paper, plastic clipboards, binders, Sharpie® and other markers, Post-It® and other adhesive products.	Plain Paper, metal clipboard, ballpoint pens Duct Tape is acceptable provided it doesn't contact the media that is being sampled.
Clothing/Laundering	Clothing or boots made of or with Gore-Tex™ or other synthetic water proof/ resistant and/or stain resistant materials, coated Tyvek® material that may contain PFAS, fabric protectors (including UV protection), insect-resistant chemicals, stain-resistant chemicals; Fabric softener	Synthetic or cotton material, previously laundered clothing <u>washed greater than six times without the use of fabric softeners</u>. Polyurethane and wax coated materials. Boots made with polyurethane and PVC, untreated leather boots. For the purposes of this investigation, well-worn leather boots may be worn in the field provided staff wash their hands after touching the boots or laces. Safety toe rubber boots are preferable, however. Tyvek material that is PFAS free (e.g., uncoated)

Category	Prohibited Items	Allowable Items
Personal Care Products (for day of sample collection)	Cosmetics, moisturizers, hand cream, antiperspirant/deodorant, scented body wash/shampoo/conditioner and other related products. Dental floss and plaque removers.	**Sunscreens:** Alba Organics Natural Yes to Cucumbers Aubrey Organics Jason Natural Sun Block Kiss My Face Baby-safe sunscreens ('free' or 'natural') **Insect Repellents**: Jason Natural Quit Bugging Me Repel Lemon Eucalyptus Herbal Armor California Baby Natural Bug Spray BabyGanics Deep Woods OFF Sawyer Permethrin **Sunscreen and Insect Repellents:** Avon Skin So Soft Bug Guard-SPF 30
Food and Beverage	Pre-packaged food, fast food wrappers or containers. Non-stick cookware & containers, aluminum foil. Fast food shall not be consumed within 48 hours of sampling.	Food that is brought and consumed only outside the exclusion zone and does not include prohibited items listed in this table. Hands and faces must be thoroughly washed with soap and water after consuming food and before entering the exclusion zone. Bottled water or hydration drinks (i.e., Gatorade® and Powerade®)

1. While Alconox and Liquinox soap is acceptable for use for PFAS decontamination, they may contain 1,4-dioxane. If Alconox and Liquinox soap is used at sites where 1,4-dioxane is a COC, then equipment blanks must be analyzed for 1,4-dioxane.

REFERENCES

Bartlett SA, Davis KL. Evaluating PFAS cross contamination issues. *Remediation.* 2018;28:53-57. https://soi.org/10.1002/rem.21549.

Michigan Department of Environmental Quality (MDEQ), Draft Final Wastewater PFAS Sampling Standard Operating Procedures, April 2018.

The Northeast Waste Management Officials' Association (NEWMOA), five-part webinar training series, 2016; http://www.newmoa.org/cleanup/workshops.cfm

NH PFAS Investigation at https://www4.des.state.nh.us/nh-pfas-investigation/

APPENDIX D – SOIL VAPOR LOGS

Soil vapor Sampling Log

GZA Engineer:	Mike Bastidas	Contractor/Lab:	Alpha Analytical	Page	1 of 1
Project Name:	100 Union Ave	Analytic Method:	TO-15	Date:	8/27/20
PM:	Meredith Hayes			File No.	12.0076932.00
Weather:	90's Sunny	PID:	Mini RAE 3000 Lamp: 10.6 eV		
Barometric Press.					

Sample ID	Sample Depth (ft)	Surface Cover	Driving Effort	PID Reading (ppm)	Purge Time		He in Tedlar Bag	He in Shroud	Shut-in Test (Y/N)	Sample Date-Start	Sample Time-Start	Vacuum Pressure-Start	Sample Time-End	Vaccuum Pressure-Stop	Canister ID	Flow Controller ID
					Purge Start	Purge Stop										
SV-5	6'	Soil	M	6.9	9:54	9:59	0	78%	Y	8/27/20	10:39	-29.86	16:40	-11/64	3451	01444
SV-6	6'	Soil	M	7.9	10:14	10:19	0	65%	Y	8/27/20	10:54	-29.97	16:41	-5.41	3090	0366
SV-7	6'	Soil	M	6.0	10:25	10:30	0	65%	Y	8/27/20	10:55	-30.18	16:42	-6.99	415	0716
20200827-DUP	6'	Soil	M	7.9	10:14	10:19	0	65%	Y	8/27/20	10:58	-29.75	16:45	-4.90	3244	01381

ABBREVIATIONS

CONTAINER TYPE	SURFACE COVER	PROBE DRIVING EFFORT
TB- Tedlar Bag	G/L- Grass/Loam	E- Easy
SC- Suma Canister	Asph- Asphalt	M- Moderate
ST- Sorbant Tube	Cncrt- Concrete	D- Difficult
Other:	Other:	Other:

Remarks:

20200927-DUP is a duplicate for SV-6. The main soil vapor line was bifircated to allow for two suma canisters to be sampled simultaniously.

APPENDIX E – DATA USABILITY SUMMARY REPORT

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

100 Union Ave., Brooklyn, NY
Alpha Analytical SDG#L2035276
April 29, 2022
Sampling date: 8/26/2020

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for GZA GeoEnvironmental, Inc., project located at 100 Union Ave., Brooklyn, NY, Alpha Analytical #L2035276 submitted to Vali-Data of WNY, LLC on April 6, 2022. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(6/2021) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D, 8270D-SIM), Perfluorinated Hydrocarbons (537 modified), Herbicide (8151A), PCB (8082A), Pesticide (8081B), Inorganics (6010D, 6020B), Mercury (7470A, 7471B) and in accordance with wet chemistry methods.

DUSR ID	Sample ID	Laboratory ID
1	SP-7 (0-2')	L2035276-01
2	SP-7 (8-8.5')	L2035276-02
3	SP-8 (0-2')	L2035276-03
4	SP-8 (7-7.5')	L2035276-04
5	SP-8 (9-9.5')	L2035276-05
6	SP-9 (0-2')	L2035276-06
7	SP-9 (6.5-7.0')	L2035276-07
8	MW-2A (0-2')	L2035276-08
9	SP-10(0-2')	L2035276-09
10	SP-10 (7.5-8')	L2035276-10
11	SP-10 (9.5-10')	L2035276-11
12	20200826DUP	L2035276-12
13	20200826EB	L2035276-13
14	20200826FB	L2035276-14

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation

-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except Styrene was detected in DUSR ID #12 but was not detected in #11.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except several target analytes were outside QC limits in the initial calibrations and initial calibration verifications (ICV). These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

ICal/ICV instrument ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICal & ICV VOA122	1,4-Dioxane	RRF	UJ/J	WG1405387, 13
ICal & ICV VOA122	1,2-Dichloropropane	RRF	UJ/J	WG1405387, 13
ICal & ICV VOA122	Bromodichloromethane	RRF	UJ/J	WG1405387, 13
ICal & ICV VOA122	1,1,2-Trichloroethane	RRF	UJ/J	WG1405387, 13
ICV VOA122	Dichlorodifluoromethane	-46.3	UJ/J	WG1405387, 13
ICV VOA122	cis-1,3-Dichloropropene	RRF	UJ/J	WG1405387, 13
ICal & ICV VOA 110	1,4-Dioxane	RRF	UJ/J	WG1405304, WG1405578, 1-12

Alternate forms of regression were performed on target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
WG1405304-2	1,1-Dichloroethene	22.0	UJ/J	WG1405304, 1-5, 7-12
WG1405304-2	Carbon Disulfide	28.8	UJ/J	WG1405304, 1-5, 7-12
WG1405304-2	1,4-Dioxane	RRF	UJ/J	WG1405304, 1-5, 7-12
WG1405387-2	1,4-Dioxane	RRF	UJ/J	WG1405387, 13
WG1405387-2	1,2-Dichloropropane	RRF	UJ/J	WG1405387, 13
WG1405387-2	Bromodichloromethane	RRF	UJ/J	WG1405387, 13
WG1405387-2	1,1,2-Trichloroethane	RRF	UJ/J	WG1405387, 13
WG1405578-2	1,4-Dioxane	RRF	UJ/J	WG1405578, 6

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Compound Quantitation, Initial Calibration and Continuing Calibration.

Sample: #1 was diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met except some data was missing from the rerun of sample #2. Those pages are attached.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except the batch worksheet for WG1405864 was not included in the original package. Those pages are attached.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except some surrogates were outside QC limits in the samples. Associated target analytes should be qualified as estimated in these sample.

Sample ID	Surrogate	%Rec	Qualifier	Associated Target Analytes
1D	2-Fluorophenol	22	UJ	Phenol, 2-Chlorophenol
2	2-Fluorophenol	3	R	Phenol, 2-Chlorophenol
2	2,4,6-Tribromophenol	0	R	2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2,4-Dinitrophenol, 4-Nitrophenol, Pentachlorophenol, 4,6-Dinitro-2-methylphenol
2RE	2-Fluorophenol	7	R	Phenol, 2-Chlorophenol
2RE	2,4,6-Tribromophenol	0	R	2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2,4-Dinitrophenol, 4-Nitrophenol, Pentachlorophenol, 4,6-Dinitro-2-methylphenol

METHOD BLANK
All the criteria were met except some target analytes were detected above the MDL, below the reporting limit and are qualified as estimated in the blanks. These target analytes were not detected in the associated samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except several target analytes were detected in the sample blank and should be qualified in the associated samples, if detected.

Blank ID	Target Analyte	Concentration(ug/L)	Qualifier	Associated Sample
13	Fluoranthene	.02	JH	1D, 2, 2RE, 3, 4, 6-10
13	Naphthalene	.05	U at RL	4, 6, 8, 10
13	Naphthalene	.05	JH	9
13	Benzo(a)anthracene	.09	U at RL	1D, 2
13	Benzo(a)anthracene	.09	JH	2RE, 3, 4, 6-10
13	Benzo(a)pyrene	.09	U at RL	1D, 2, 2RE, 3
13	Benzo(a)pyrene	.09	JH	4, 6-10
13	Pyrene	.02	JH	1D, 2, 3, 4, 6-10
13	Benzo(b)fluoranthene	.17	JH	1D, 2, 2RE, 3, 4, 6-10
13	Benzo(k)fluoranthene	.12	U at RL	1D, 2, 2RE, 3
13	Benzo(k)fluoranthene	.12	JH	4, 6-10
13	Chrysene	.12	U at RL	1D, 2
13	Chrysene	.12	JH	2RE, 3, 4, 6-10
13	Benzo(g,h,i)perylene	.14	U at RL	1D, 2, 2RE, 3
13	Benzo(g,h,i)perylene	.14	JH	4, 6-10
13	Dibenzo(a,h)anthracene	.14	U at RL	4, 7, 10
13	Dibenzo(a,h)anthracene	.14	JH	6, 8, 9
13	Indeno(1,2,3-cd)pyrene	.15	U at RL	1D, 2, 2RE, 3
13	Indeno(1,2,3-cd)pyrene	.15	JH	4, 6-10

INITIAL CALIBRATION

All criteria were met except a couple of target analytes were outside QC limits in the initial calibration verification. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

ICal/ICV instrument ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICV SV107	2-Nitrophenol	22.2	UJ/J	WG1404939, 13
ICV SV107	2-Nitroaniline	26.5	UJ/J	WG1404939, 13

Alternate forms of regression were performed on target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in the continuing calibrations. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
WG1404875-3	Bis(2-chloroisopropyl)ether	-27.5	UJ/J	WG1404519, 2, 6, 8-10
WG1405009-3	Phenol	-23.1	UJ/J	4
WG1405009-3	Benzyl alcohol	-29.3	UJ/J	4
WG1405009-3	Nitrobenzene	-27.3	UJ/J	4
WG1405009-3	2-Nitrophenol	-23.1	UJ/J	4
WG1405009-4	Acetophenone	-23.6	UJ/J	4
WG1405009-5	1,4-Dioxane	33.8	UJ/J	4
WG1405536-3	Benzoic acid	30.1	UJ/J	WG1405442
WG1405594-3	4-Bromophenyl phenyl ether	20.8	UJ/J	1D
WG1405623-3	Bis(2-chloroisopropyl)ether	-32.2	UJ/J	2RE
WG1405623-3	Nitrobenzene	-22.9	UJ/J	2RE
WG1405623-3	2-Nitrophenol	-23.6	UJ/J	2RE
WG1405623-3	Hexachlorobenzene	22.2	UJ/J	2RE

GC/MS PERFORMANCE CHECK
All criteria were met.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Surrogate Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
-

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Blanks, Compound Quantitation, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE RECOVERIES
All criteria were met except the %Rec of several surrogates was outside QC limits in the samples and should be qualified as estimated. Associated target analytes in these samples should be qualified as estimated or unusable.

Surrogate	%Rec	Qualifier	Associated Sample
d3-NMeFOSAA	Low	UJ/J	11, 12
M2PFTeDA	Low	UJ/J	11, 12
M8FOSA	Low	UJ/J	WG1406137-1,2,3, WG1404895-1,3, 11, 12, 14
M8FOSA	<10%	R	WG1404895-2
d5-NEtFOSAA	Low	UJ/J	11, 12

BLANKS
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All the criteria were met except one target analyte was detected in the sample blank above the MDL, below the reporting limit and is qualified as estimated. This target analyte should be qualified in the associated samples in which it was detected.

Blank ID	Target Analyte	Concentration(ng/L)	Qualifier	Associated Sample
14	PFHxA	.315	U at RL	11, 12

INITIAL CALIBRATION

All criteria were met except several target analyte were outside QC limits in the ICV and should be qualified as estimated in the associated blanks, samples and spikes.

ICV instrument	Target Analyte	%Rec	Qualifier	Associated Sample
LCMS01	NMeFOSAA	137.3	UJ/J	WG1406137, 14
LCMS01	NEtFOSAA	135.5	UJ/J	WG1406137, 14
LCMS02	NMeFOSAA	143.6	UJ/J	WG1404895, 11, 12

Alternate forms of regression were used on target analytes in which the %RSD >30.0%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of a target analyte was outside QC limits in the continuing calibration. That target analyte should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D	Qualifier	Associated Sample
WG1405389-1	8:2FTS	38.5	UJ/J	WG1404895, 11, 12
WG1405389-1	br-NMeFOSAA	31.3	UJ/J	WG1404895, 11, 12
WG1405389-1	br-NEtFOSAA	35.1	UJ/J	WG1404895, 11, 12
WG1407030-1	8:2FTS	53.7	UJ/J	WG1406137, 14
WG1407030-1	br-NMeFOSAA	61.2	UJ/J	WG1406137, 14
WG1407030-1	br-NEtFOSAA	31.4	UJ/J	WG1406137, 14
WG1407030-1	PFDS	61.4	UJ/J	WG1406137, 14

HERBICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation

- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Continuing Calibration.

Sample: #1 was diluted due to matrix interference.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	%Rec	Qualifier	Associated Sample
WG1405360-1	2,4-D	-16.5	UJ/J	WG1404724
WG1405360-1	2,4,5-TP	-18.9	UJ/J	WG1404724
WG1405360-1	2,4,5-T	-17.9	UJ/J	WG1404724

Some target analytes were outside QC limits in the confirmatory column. No further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank and Initial Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except Aroclor 1260 was detected above the MDL, below the reporting limit and is qualified as estimated in WG1404888-1. This target analyte was not detected in the samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the ICV and should be qualified as estimated in the associated samples, blanks and spikes.

ICV instrument	Target Analyte	%D	Qualifier	Associated Sample
Pest13	Aroclor 1260 p. 4	20.2	UJ/J	WG1404888, 13

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Compound Quantitation, Initial Calibration and Continuing Calibration.

Sample: #1 was diluted due to matrix interference.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of TCMX off column CLPPesticides was outside QC limits, high in sample #5 and should be qualified as estimated. No target analytes were detected in this sample, so no further action is required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except the RPD of alpha-Chlordane in sample #1D and 4,4'-DDT in sample #6 were outside QC limits between the columns and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met except a single point calibration was used for Chlordane off instrument Pest18. Chlordane in sample #1 should be qualified as estimated.
Alternate forms of regression were used on target analytes in which the %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met a surrogate was outside QC limits in the continuing calibration and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Column	Surrogate	%D	Qualifier	Associated Sample
WG1405522-1	CLPPesticides	DCBP	29.1	UJ/J	WG1405381, 13

Some target analytes were outside QC limits off the confirmatory column. No further action is required.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate

-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, Laboratory Control Samples, MS/MSD/Duplicate, Serial Dilution and Compound Quantitation.

All soil samples were diluted due to matrix interference in the 6010D analysis.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except several target analytes were detected above the MDL, below the reporting limit and are qualified as estimated in the blanks. These target analytes should be qualified in associated samples in which they were detected.

Blank ID	Target Analyte	Concentration	Qualifier	Associated Sample
WG1404137	Cr	.096mg/kg	JH	1-12
WG1404137	Fe	.772mg/kg	JH	1-12
R1345408-37	Be	.0004mg/L	U at RL	1-6, 8-12
R1345408-37	Be	.0004mg/L	JH	7
R1345408-35	Al	.0312mg/L	JH	1-6
R1345408-39	Be	.00096mg/L	U at RL	1-6, 8-12
R1345408-39	Be	.00096mg/L	JH	7
R1345408-41	Be	.0004mg/L	U at RL	1-6, 8-12
R1345408-41	Be	.0004mg/L	JH	7
R1345370-2	Tl	.331ug/L	U at RL	None
R1345370-5	Tl	.358ug/L	U at RL	None

Blank ID	Target Analyte	Concentration	Qualifier	Associated Sample
R1345370-5	Fe	30.6ug/L	U at RL	None
R1345370-7	Tl	.393ug/L	U at RL	None
R1345370-7	Fe	21.5ug/L	U at RL	None

LABORATORY CONTROL SAMPLE

All criteria were met except some target analytes were outside QC limits in the laboratory control sample and should be qualified as estimated. These target analytes should be qualified in the associated samples.

LCS ID	Target Analyte	%Rec	Qualifier	Associated Sample
WG1404137	Sb	146	JH	1, 4, 6, 7, 9
WG1404137	Al	60	UJ/J	1-12

MS/MSD/DUPLICATE

All criteria were met except some target analytes were outside QC limits in the matrix spike or duplicate and should be qualified as estimated. These target analytes should be qualified in the associated samples.

MS or Duplicate ID	Target Analyte	%Rec/RPD	Qualifier	Associated Sample
1MS	Ba	50	J	1
1MS	Cr	71	J	1
1MS	Cu	0	JL	1
1MS	K	71	J	1
1duplicate	Ca	74	J	1
1duplicate	Al	41	J	1
1duplicate	Ba	66	J	1
1duplicate	Cr	35	J	1
1duplicate	Cu	139	J	1
1duplicate	Fe	37	J	1
1duplicate	Pb	100	J	1
1duplicate	Mg	115	J	1
1duplicate	K	22	J	1
1duplicate	V	43	J	1
1duplicate	Zn	35	J	1

Se was detected in sample #1duplicate but was not detected in #1. As was detected in sample #1 but was not detected in sample #1duplicate.

FIELD DUPLICATE

All criteria were met.

SERIAL DILUTION
All criteria were met except some target analytes were outside QC limits in the serial dilution and should be qualified as estimated. These target analytes should be qualified as estimated in the associated samples.

Serial dilution ID	Target Analyte	%D	Qualifier	Associated Sample
1SD	Fe	26	J	1
1SD	Mg	24	J	1
1SD	Mn	26	J	1
1SD	Ca	27	J	1

COMPOUND QUANTITATION
All criteria were met except a target analyte was detected in the sample blank above the MDL, below the reporting limit and is qualified as estimated. This target analyte should be qualified in the associated samples in which it was detected.

Blank ID	Target Analyte	Concentration(mg/L)	Qualifier	Associated Sample
13	Ba	.00017	JH	1-12

CALIBRATION
All criteria were met.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- %Solids

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

%SOLIDS
All criteria were met.

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Report Submission

September 08, 2020: This final report includes the results of all requested analyses.

September 03, 2020: This is a preliminary report.

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

Sample Receipt

The analyses performed were specified by the client.

L2035276-13 and -14: The Client ID was specified by the client.

Semivolatile Organics

L2035276-02: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (3%) and 2,4,6-tribromophenol (0%); however, re-extraction achieved similar results: 2-fluorophenol (7%) and 2,4,6-tribromophenol (0%). The results of both extractions are reported.

Semivolatile Organics by SIM

L2035276-13: The Equipment Blank has concentrations above the reporting limits for Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Benzo(ghi)perylene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene. The Equipment Blank was re-extracted with the method required holding time exceeded and was non-detect for these target compounds. The results of both extractions are reported.

Perfluorinated Alkyl Acids by Isotope Dilution

L2035276-11 and -12: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1404895-2: The Extracted Internal Standard M8FOSA is less than 10%; however, all target analytes are within LCS criteria, so no further action was taken.

Case Narrative (continued)

Pesticides

L2035276-01: The sample has elevated detection limits due to the dilution required by the sample matrix.

Herbicides

L2035276-01: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

Total Metals

L2035276-01 through -12: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1404137-3 MS recoveries for aluminum (40%), calcium (1100%), copper (0%), iron (0%), lead (0%), magnesium (507%), manganese (2%), and zinc (0%), performed on L2035276-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1404137-3 MS recoveries, performed on L2035276-01, are outside the acceptance criteria for barium (50%), chromium (71%), and potassium (71%). A post digestion spike was performed and was within acceptance criteria.

The WG1404817-3 MS recovery for mercury (11100%), performed on L2035276-01, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1404137-4 Laboratory Duplicate RPDs for aluminum (41%), barium (66%), cadmium (41%), chromium (35%), cobalt (44%), copper (139%), iron (37%), lead (100%), magnesium (115%), potassium (22%), silver (50%), vanadium (43%), zinc (35%), and calcium (74%), performed on L2035276-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

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

Authorized Signature: Michelle M. Morris Report Date: 09/08/20

Title: Technical Director/Representative

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-01	**Date Collected**	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 12:10
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B09	**Instrument ID**	: VOA110
Sample Amount	: 4.3 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 87
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	6.6	3.0	U
75-34-3	1,1-Dichloroethane	ND	1.3	0.19	U
67-66-3	Chloroform	ND	2.0	0.19	U
56-23-5	Carbon tetrachloride	ND	1.3	0.31	U
78-87-5	1,2-Dichloropropane	ND	1.3	0.17	U
124-48-1	Dibromochloromethane	ND	1.3	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.36	U
127-18-4	Tetrachloroethene	11	0.66	0.26	
108-90-7	Chlorobenzene	ND	0.66	0.17	U
75-69-4	Trichlorofluoromethane	ND	5.3	0.92	U
107-06-2	1,2-Dichloroethane	ND	1.3	0.34	U
71-55-6	1,1,1-Trichloroethane	ND	0.66	0.22	U
75-27-4	Bromodichloromethane	ND	0.66	0.14	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.36	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.66	0.21	U
542-75-6	1,3-Dichloropropene, Total	ND	0.66	0.21	U
563-58-6	1,1-Dichloropropene	ND	0.66	0.21	U
75-25-2	Bromoform	ND	5.3	0.33	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.66	0.22	U
71-43-2	Benzene	1.3	0.66	0.22	
108-88-3	Toluene	ND	1.3	0.72	U
100-41-4	Ethylbenzene	ND	1.3	0.19	U
74-87-3	Chloromethane	ND	5.3	1.2	U
74-83-9	Bromomethane	ND	2.7	0.77	U
75-01-4	Vinyl chloride	ND	1.3	0.45	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-01	**Date Collected**	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 12:10
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B09	**Instrument ID**	: VOA110
Sample Amount	: 4.3 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 87
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.7	0.60	U
75-35-4	1,1-Dichloroethene	ND	1.3	0.32	U
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.18	U
79-01-6	Trichloroethene	ND	0.66	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.7	0.19	U
541-73-1	1,3-Dichlorobenzene	ND	2.7	0.20	U
106-46-7	1,4-Dichlorobenzene	ND	2.7	0.23	U
1634-04-4	Methyl tert butyl ether	ND	2.7	0.27	U
179601-23-1	p/m-Xylene	ND	2.7	0.74	U
95-47-6	o-Xylene	ND	1.3	0.39	U
1330-20-7	Xylenes, Total	ND	1.3	0.39	U
156-59-2	cis-1,2-Dichloroethene	ND	1.3	0.23	U
540-59-0	1,2-Dichloroethene, Total	ND	1.3	0.18	U
74-95-3	Dibromomethane	ND	2.7	0.32	U
100-42-5	Styrene	ND	1.3	0.26	U
75-71-8	Dichlorodifluoromethane	ND	13	1.2	U
67-64-1	Acetone	29	13	6.4	
75-15-0	Carbon disulfide	ND	13	6.1	U
78-93-3	2-Butanone	3.5	13	3.0	J
108-05-4	Vinyl acetate	ND	13	2.9	U
108-10-1	4-Methyl-2-pentanone	ND	13	1.7	U
96-18-4	1,2,3-Trichloropropane	ND	2.7	0.17	U
591-78-6	2-Hexanone	ND	13	1.6	U
74-97-5	Bromochloromethane	ND	2.7	0.27	U
594-20-7	2,2-Dichloropropane	ND	2.7	0.27	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-01	Date Collected	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 12:10
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: JC
Lab File ID	: V10200901B09	Instrument ID	: VOA110
Sample Amount	: 4.3 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 87
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.3	0.37	U
142-28-9	1,3-Dichloropropane	ND	2.7	0.22	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.66	0.18	U
108-86-1	Bromobenzene	ND	2.7	0.19	U
104-51-8	n-Butylbenzene	ND	1.3	0.22	U
135-98-8	sec-Butylbenzene	ND	1.3	0.19	U
98-06-6	tert-Butylbenzene	ND	2.7	0.16	U
95-49-8	o-Chlorotoluene	ND	2.7	0.25	U
106-43-4	p-Chlorotoluene	ND	2.7	0.14	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.0	1.3	U
87-68-3	Hexachlorobutadiene	ND	5.3	0.22	U
98-82-8	Isopropylbenzene	ND	1.3	0.14	U
99-87-6	p-Isopropyltoluene	ND	1.3	0.14	U
91-20-3	Naphthalene	ND	5.3	0.86	U
107-13-1	Acrylonitrile	ND	5.3	1.5	U
103-65-1	n-Propylbenzene	ND	1.3	0.23	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.7	0.43	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.7	0.36	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.7	0.26	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.7	0.44	U
123-91-1	1,4-Dioxane	ND	110	47.	U
105-05-5	p-Diethylbenzene	ND	2.7	0.24	U
622-96-8	p-Ethyltoluene	ND	2.7	0.51	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.7	0.25	U
60-29-7	Ethyl ether	ND	2.7	0.45	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-01	**Date Collected**	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 12:10
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B09	**Instrument ID**	: VOA110
Sample Amount	: 4.3 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 87
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.6	1.9	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 12:37
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B10	**Instrument ID**	: VOA110
Sample Amount	: 4.8 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 84
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	6.2	2.8	U
75-34-3	1,1-Dichloroethane	ND	1.2	0.18	U
67-66-3	Chloroform	ND	1.8	0.17	U
56-23-5	Carbon tetrachloride	ND	1.2	0.28	U
78-87-5	1,2-Dichloropropane	ND	1.2	0.15	U
124-48-1	Dibromochloromethane	ND	1.2	0.17	U
79-00-5	1,1,2-Trichloroethane	ND	1.2	0.33	U
127-18-4	Tetrachloroethene	5.6	0.62	0.24	
108-90-7	Chlorobenzene	ND	0.62	0.16	U
75-69-4	Trichlorofluoromethane	ND	4.9	0.86	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.32	U
71-55-6	1,1,1-Trichloroethane	ND	0.62	0.21	U
75-27-4	Bromodichloromethane	ND	0.62	0.13	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.34	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.62	0.19	U
542-75-6	1,3-Dichloropropene, Total	ND	0.62	0.19	U
563-58-6	1,1-Dichloropropene	ND	0.62	0.20	U
75-25-2	Bromoform	ND	4.9	0.30	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.62	0.20	U
71-43-2	Benzene	ND	0.62	0.20	U
108-88-3	Toluene	ND	1.2	0.67	U
100-41-4	Ethylbenzene	ND	1.2	0.17	U
74-87-3	Chloromethane	ND	4.9	1.1	U
74-83-9	Bromomethane	ND	2.5	0.72	U
75-01-4	Vinyl chloride	ND	1.2	0.41	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 12:37
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B10	**Instrument ID**	: VOA110
Sample Amount	: 4.8 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 84
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.56	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.29	U
156-60-5	trans-1,2-Dichloroethene	ND	1.8	0.17	U
79-01-6	Trichloroethene	0.27	0.62	0.17	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.18	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.21	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.25	U
179601-23-1	p/m-Xylene	ND	2.5	0.69	U
95-47-6	o-Xylene	ND	1.2	0.36	U
1330-20-7	Xylenes, Total	ND	1.2	0.36	U
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.22	U
540-59-0	1,2-Dichloroethene, Total	ND	1.2	0.17	U
74-95-3	Dibromomethane	ND	2.5	0.29	U
100-42-5	Styrene	ND	1.2	0.24	U
75-71-8	Dichlorodifluoromethane	ND	12	1.1	U
67-64-1	Acetone	43	12	5.9	
75-15-0	Carbon disulfide	ND	12	5.6	U
78-93-3	2-Butanone	8.1	12	2.7	J
108-05-4	Vinyl acetate	ND	12	2.6	U
108-10-1	4-Methyl-2-pentanone	ND	12	1.6	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.16	U
591-78-6	2-Hexanone	ND	12	1.4	U
74-97-5	Bromochloromethane	ND	2.5	0.25	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.25	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 12:37
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B10	**Instrument ID**	: VOA110
Sample Amount	: 4.8 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 84
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	1.2	0.34	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.21	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.62	0.16	U
108-86-1	Bromobenzene	ND	2.5	0.18	U
104-51-8	n-Butylbenzene	ND	1.2	0.21	U
135-98-8	sec-Butylbenzene	ND	1.2	0.18	U
98-06-6	tert-Butylbenzene	ND	2.5	0.14	U
95-49-8	o-Chlorotoluene	ND	2.5	0.24	U
106-43-4	p-Chlorotoluene	ND	2.5	0.13	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.7	1.2	U
87-68-3	Hexachlorobutadiene	ND	4.9	0.21	U
98-82-8	Isopropylbenzene	ND	1.2	0.13	U
99-87-6	p-Isopropyltoluene	ND	1.2	0.13	U
91-20-3	Naphthalene	ND	4.9	0.80	U
107-13-1	Acrylonitrile	ND	4.9	1.4	U
103-65-1	n-Propylbenzene	ND	1.2	0.21	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.40	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.34	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.24	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.41	U
123-91-1	1,4-Dioxane	ND	99	43.	U
105-05-5	p-Diethylbenzene	ND	2.5	0.22	U
622-96-8	p-Ethyltoluene	ND	2.5	0.47	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.5	0.24	U
60-29-7	Ethyl ether	ND	2.5	0.42	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 12:37
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B10	**Instrument ID**	: VOA110
Sample Amount	: 4.8 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 84
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.2	1.8	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-03	**Date Collected**	: 08/26/20 10:20
Client ID	: SP-8 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:04
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B11	**Instrument ID**	: VOA110
Sample Amount	: 5.5 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 94
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	4.8	2.2	U
75-34-3	1,1-Dichloroethane	ND	0.96	0.14	U
67-66-3	Chloroform	ND	1.4	0.13	U
56-23-5	Carbon tetrachloride	ND	0.96	0.22	U
78-87-5	1,2-Dichloropropane	ND	0.96	0.12	U
124-48-1	Dibromochloromethane	ND	0.96	0.13	U
79-00-5	1,1,2-Trichloroethane	ND	0.96	0.26	U
127-18-4	Tetrachloroethene	0.63	0.48	0.19	
108-90-7	Chlorobenzene	ND	0.48	0.12	U
75-69-4	Trichlorofluoromethane	ND	3.8	0.67	U
107-06-2	1,2-Dichloroethane	ND	0.96	0.25	U
71-55-6	1,1,1-Trichloroethane	ND	0.48	0.16	U
75-27-4	Bromodichloromethane	ND	0.48	0.10	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.96	0.26	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.48	0.15	U
542-75-6	1,3-Dichloropropene, Total	ND	0.48	0.15	U
563-58-6	1,1-Dichloropropene	ND	0.48	0.15	U
75-25-2	Bromoform	ND	3.8	0.24	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.48	0.16	U
71-43-2	Benzene	ND	0.48	0.16	U
108-88-3	Toluene	ND	0.96	0.52	U
100-41-4	Ethylbenzene	ND	0.96	0.14	U
74-87-3	Chloromethane	ND	3.8	0.89	U
74-83-9	Bromomethane	ND	1.9	0.56	U
75-01-4	Vinyl chloride	ND	0.96	0.32	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-03	**Date Collected**	: 08/26/20 10:20
Client ID	: SP-8 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:04
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B11	**Instrument ID**	: VOA110
Sample Amount	: 5.5 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 94
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	1.9	0.43	U
75-35-4	1,1-Dichloroethene	ND	0.96	0.23	U
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.13	U
79-01-6	Trichloroethene	ND	0.48	0.13	U
95-50-1	1,2-Dichlorobenzene	ND	1.9	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	1.9	0.14	U
106-46-7	1,4-Dichlorobenzene	ND	1.9	0.16	U
1634-04-4	Methyl tert butyl ether	ND	1.9	0.19	U
179601-23-1	p/m-Xylene	ND	1.9	0.54	U
95-47-6	o-Xylene	ND	0.96	0.28	U
1330-20-7	Xylenes, Total	ND	0.96	0.28	U
156-59-2	cis-1,2-Dichloroethene	ND	0.96	0.17	U
540-59-0	1,2-Dichloroethene, Total	ND	0.96	0.13	U
74-95-3	Dibromomethane	ND	1.9	0.23	U
100-42-5	Styrene	ND	0.96	0.19	U
75-71-8	Dichlorodifluoromethane	ND	9.6	0.88	U
67-64-1	Acetone	ND	9.6	4.6	U
75-15-0	Carbon disulfide	ND	9.6	4.4	U
78-93-3	2-Butanone	ND	9.6	2.1	U
108-05-4	Vinyl acetate	ND	9.6	2.1	U
108-10-1	4-Methyl-2-pentanone	ND	9.6	1.2	U
96-18-4	1,2,3-Trichloropropane	ND	1.9	0.12	U
591-78-6	2-Hexanone	ND	9.6	1.1	U
74-97-5	Bromochloromethane	ND	1.9	0.20	U
594-20-7	2,2-Dichloropropane	ND	1.9	0.19	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-03	**Date Collected**	: 08/26/20 10:20
Client ID	: SP-8 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:04
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B11	**Instrument ID**	: VOA110
Sample Amount	: 5.5 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 94
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	0.96	0.27	U
142-28-9	1,3-Dichloropropane	ND	1.9	0.16	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.48	0.13	U
108-86-1	Bromobenzene	ND	1.9	0.14	U
104-51-8	n-Butylbenzene	ND	0.96	0.16	U
135-98-8	sec-Butylbenzene	ND	0.96	0.14	U
98-06-6	tert-Butylbenzene	ND	1.9	0.11	U
95-49-8	o-Chlorotoluene	ND	1.9	0.18	U
106-43-4	p-Chlorotoluene	ND	1.9	0.10	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.9	0.96	U
87-68-3	Hexachlorobutadiene	ND	3.8	0.16	U
98-82-8	Isopropylbenzene	ND	0.96	0.10	U
99-87-6	p-Isopropyltoluene	ND	0.96	0.10	U
91-20-3	Naphthalene	ND	3.8	0.62	U
107-13-1	Acrylonitrile	ND	3.8	1.1	U
103-65-1	n-Propylbenzene	ND	0.96	0.16	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.9	0.31	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.9	0.26	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.9	0.18	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.9	0.32	U
123-91-1	1,4-Dioxane	ND	77	34.	U
105-05-5	p-Diethylbenzene	ND	1.9	0.17	U
622-96-8	p-Ethyltoluene	ND	1.9	0.37	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	1.9	0.18	U
60-29-7	Ethyl ether	ND	1.9	0.33	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-03	**Date Collected**	: 08/26/20 10:20
Client ID	: SP-8 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:04
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B11	**Instrument ID**	: VOA110
Sample Amount	: 5.5 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 94
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.8	1.4	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-04	**Date Collected**	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:31
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B12	**Instrument ID**	: VOA110
Sample Amount	: 4.5 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 89
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	6.2	2.8	U
75-34-3	1,1-Dichloroethane	ND	1.2	0.18	U
67-66-3	Chloroform	ND	1.9	0.17	U
56-23-5	Carbon tetrachloride	ND	1.2	0.29	U
78-87-5	1,2-Dichloropropane	ND	1.2	0.16	U
124-48-1	Dibromochloromethane	ND	1.2	0.17	U
79-00-5	1,1,2-Trichloroethane	ND	1.2	0.33	U
127-18-4	Tetrachloroethene	3.2	0.62	0.24	
108-90-7	Chlorobenzene	ND	0.62	0.16	U
75-69-4	Trichlorofluoromethane	ND	5.0	0.87	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.32	U
71-55-6	1,1,1-Trichloroethane	ND	0.62	0.21	U
75-27-4	Bromodichloromethane	ND	0.62	0.14	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.34	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.62	0.20	U
542-75-6	1,3-Dichloropropene, Total	ND	0.62	0.20	U
563-58-6	1,1-Dichloropropene	ND	0.62	0.20	U
75-25-2	Bromoform	ND	5.0	0.31	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.62	0.21	U
71-43-2	Benzene	ND	0.62	0.21	U
108-88-3	Toluene	ND	1.2	0.68	U
100-41-4	Ethylbenzene	ND	1.2	0.18	U
74-87-3	Chloromethane	ND	5.0	1.2	U
74-83-9	Bromomethane	ND	2.5	0.72	U
75-01-4	Vinyl chloride	ND	1.2	0.42	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-04	**Date Collected**	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:31
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B12	**Instrument ID**	: VOA110
Sample Amount	: 4.5 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 89
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.56	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.30	U
156-60-5	trans-1,2-Dichloroethene	ND	1.9	0.17	U
79-01-6	Trichloroethene	ND	0.62	0.17	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.18	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.21	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.25	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	1.2	0.36	U
1330-20-7	Xylenes, Total	ND	1.2	0.36	U
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.22	U
540-59-0	1,2-Dichloroethene, Total	ND	1.2	0.17	U
74-95-3	Dibromomethane	ND	2.5	0.30	U
100-42-5	Styrene	ND	1.2	0.24	U
75-71-8	Dichlorodifluoromethane	ND	12	1.1	U
67-64-1	Acetone	11	12	6.0	J
75-15-0	Carbon disulfide	ND	12	5.7	U
78-93-3	2-Butanone	ND	12	2.8	U
108-05-4	Vinyl acetate	ND	12	2.7	U
108-10-1	4-Methyl-2-pentanone	ND	12	1.6	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.16	U
591-78-6	2-Hexanone	ND	12	1.5	U
74-97-5	Bromochloromethane	ND	2.5	0.26	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.25	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-04	**Date Collected**	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:31
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B12	**Instrument ID**	: VOA110
Sample Amount	: 4.5 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 89
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	1.2	0.35	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.21	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.62	0.16	U
108-86-1	Bromobenzene	ND	2.5	0.18	U
104-51-8	n-Butylbenzene	ND	1.2	0.21	U
135-98-8	sec-Butylbenzene	ND	1.2	0.18	U
98-06-6	tert-Butylbenzene	ND	2.5	0.15	U
95-49-8	o-Chlorotoluene	ND	2.5	0.24	U
106-43-4	p-Chlorotoluene	ND	2.5	0.13	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.7	1.2	U
87-68-3	Hexachlorobutadiene	ND	5.0	0.21	U
98-82-8	Isopropylbenzene	ND	1.2	0.14	U
99-87-6	p-Isopropyltoluene	ND	1.2	0.14	U
91-20-3	Naphthalene	ND	5.0	0.81	U
107-13-1	Acrylonitrile	ND	5.0	1.4	U
103-65-1	n-Propylbenzene	ND	1.2	0.21	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.40	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.34	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.24	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.42	U
123-91-1	1,4-Dioxane	ND	100	44.	U
105-05-5	p-Diethylbenzene	ND	2.5	0.22	U
622-96-8	p-Ethyltoluene	ND	2.5	0.48	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.5	0.24	U
60-29-7	Ethyl ether	ND	2.5	0.42	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-04	**Date Collected**	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:31
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B12	**Instrument ID**	: VOA110
Sample Amount	: 4.5 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 89
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.2	1.8	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-05	**Date Collected**	: 08/26/20 10:58
Client ID	: SP-8 (9-9.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:58
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B13	**Instrument ID**	: VOA110
Sample Amount	: 3.6 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 74
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	9.4	4.3	U
75-34-3	1,1-Dichloroethane	ND	1.9	0.27	U
67-66-3	Chloroform	ND	2.8	0.26	U
56-23-5	Carbon tetrachloride	ND	1.9	0.43	U
78-87-5	1,2-Dichloropropane	ND	1.9	0.23	U
124-48-1	Dibromochloromethane	ND	1.9	0.26	U
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.50	U
127-18-4	Tetrachloroethene	ND	0.94	0.37	U
108-90-7	Chlorobenzene	ND	0.94	0.24	U
75-69-4	Trichlorofluoromethane	ND	7.5	1.3	U
107-06-2	1,2-Dichloroethane	ND	1.9	0.48	U
71-55-6	1,1,1-Trichloroethane	ND	0.94	0.31	U
75-27-4	Bromodichloromethane	ND	0.94	0.20	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.51	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.94	0.30	U
542-75-6	1,3-Dichloropropene, Total	ND	0.94	0.30	U
563-58-6	1,1-Dichloropropene	ND	0.94	0.30	U
75-25-2	Bromoform	ND	7.5	0.46	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.94	0.31	U
71-43-2	Benzene	ND	0.94	0.31	U
108-88-3	Toluene	ND	1.9	1.0	U
100-41-4	Ethylbenzene	ND	1.9	0.26	U
74-87-3	Chloromethane	ND	7.5	1.7	U
74-83-9	Bromomethane	ND	3.7	1.1	U
75-01-4	Vinyl chloride	ND	1.9	0.63	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-05	**Date Collected**	: 08/26/20 10:58
Client ID	: SP-8 (9-9.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:58
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B13	**Instrument ID**	: VOA110
Sample Amount	: 3.6 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 74
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	3.7	0.85	U
75-35-4	1,1-Dichloroethene	ND	1.9	0.45	U
156-60-5	trans-1,2-Dichloroethene	ND	2.8	0.26	U
79-01-6	Trichloroethene	ND	0.94	0.26	U
95-50-1	1,2-Dichlorobenzene	ND	3.7	0.27	U
541-73-1	1,3-Dichlorobenzene	ND	3.7	0.28	U
106-46-7	1,4-Dichlorobenzene	ND	3.7	0.32	U
1634-04-4	Methyl tert butyl ether	ND	3.7	0.38	U
179601-23-1	p/m-Xylene	ND	3.7	1.0	U
95-47-6	o-Xylene	ND	1.9	0.54	U
1330-20-7	Xylenes, Total	ND	1.9	0.54	U
156-59-2	cis-1,2-Dichloroethene	ND	1.9	0.33	U
540-59-0	1,2-Dichloroethene, Total	ND	1.9	0.26	U
74-95-3	Dibromomethane	ND	3.7	0.45	U
100-42-5	Styrene	ND	1.9	0.37	U
75-71-8	Dichlorodifluoromethane	ND	19	1.7	U
67-64-1	Acetone	110	19	9.0	
75-15-0	Carbon disulfide	ND	19	8.5	U
78-93-3	2-Butanone	25	19	4.2	
108-05-4	Vinyl acetate	ND	19	4.0	U
108-10-1	4-Methyl-2-pentanone	ND	19	2.4	U
96-18-4	1,2,3-Trichloropropane	ND	3.7	0.24	U
591-78-6	2-Hexanone	ND	19	2.2	U
74-97-5	Bromochloromethane	ND	3.7	0.38	U
594-20-7	2,2-Dichloropropane	ND	3.7	0.38	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-05	**Date Collected**	: 08/26/20 10:58
Client ID	: SP-8 (9-9.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:58
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B13	**Instrument ID**	: VOA110
Sample Amount	: 3.6 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 74
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	1.9	0.52	U
142-28-9	1,3-Dichloropropane	ND	3.7	0.31	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.94	0.25	U
108-86-1	Bromobenzene	ND	3.7	0.27	U
104-51-8	n-Butylbenzene	ND	1.9	0.31	U
135-98-8	sec-Butylbenzene	ND	1.9	0.27	U
98-06-6	tert-Butylbenzene	ND	3.7	0.22	U
95-49-8	o-Chlorotoluene	ND	3.7	0.36	U
106-43-4	p-Chlorotoluene	ND	3.7	0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	1.9	U
87-68-3	Hexachlorobutadiene	ND	7.5	0.32	U
98-82-8	Isopropylbenzene	ND	1.9	0.20	U
99-87-6	p-Isopropyltoluene	ND	1.9	0.20	U
91-20-3	Naphthalene	ND	7.5	1.2	U
107-13-1	Acrylonitrile	ND	7.5	2.2	U
103-65-1	n-Propylbenzene	ND	1.9	0.32	U
87-61-6	1,2,3-Trichlorobenzene	ND	3.7	0.60	U
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	0.51	U
108-67-8	1,3,5-Trimethylbenzene	ND	3.7	0.36	U
95-63-6	1,2,4-Trimethylbenzene	ND	3.7	0.63	U
123-91-1	1,4-Dioxane	ND	150	66.	U
105-05-5	p-Diethylbenzene	ND	3.7	0.33	U
622-96-8	p-Ethyltoluene	ND	3.7	0.72	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	3.7	0.36	U
60-29-7	Ethyl ether	ND	3.7	0.64	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-05	**Date Collected**	: 08/26/20 10:58
Client ID	: SP-8 (9-9.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:58
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B13	**Instrument ID**	: VOA110
Sample Amount	: 3.6 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 74
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	9.4	2.7	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-06	**Date Collected**	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 07:45
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MV
Lab File ID	: V10200902A05	**Instrument ID**	: VOA110
Sample Amount	: 3.8 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 94
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	7.0	3.2	U
75-34-3	1,1-Dichloroethane	ND	1.4	0.20	U
67-66-3	Chloroform	ND	2.1	0.20	U
56-23-5	Carbon tetrachloride	ND	1.4	0.32	U
78-87-5	1,2-Dichloropropane	ND	1.4	0.17	U
124-48-1	Dibromochloromethane	ND	1.4	0.20	U
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.37	U
127-18-4	Tetrachloroethene	ND	0.70	0.27	U
108-90-7	Chlorobenzene	ND	0.70	0.18	U
75-69-4	Trichlorofluoromethane	ND	5.6	0.97	U
107-06-2	1,2-Dichloroethane	ND	1.4	0.36	U
71-55-6	1,1,1-Trichloroethane	ND	0.70	0.23	U
75-27-4	Bromodichloromethane	ND	0.70	0.15	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	0.38	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.70	0.22	U
542-75-6	1,3-Dichloropropene, Total	ND	0.70	0.22	U
563-58-6	1,1-Dichloropropene	ND	0.70	0.22	U
75-25-2	Bromoform	ND	5.6	0.34	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.70	0.23	U
71-43-2	Benzene	ND	0.70	0.23	U
108-88-3	Toluene	ND	1.4	0.76	U
100-41-4	Ethylbenzene	ND	1.4	0.20	U
74-87-3	Chloromethane	ND	5.6	1.3	U
74-83-9	Bromomethane	ND	2.8	0.81	U
75-01-4	Vinyl chloride	ND	1.4	0.47	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-06	**Date Collected**	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 07:45
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MV
Lab File ID	: V10200902A05	**Instrument ID**	: VOA110
Sample Amount	: 3.8 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 94
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.8	0.63	U
75-35-4	1,1-Dichloroethene	ND	1.4	0.33	U
156-60-5	trans-1,2-Dichloroethene	ND	2.1	0.19	U
79-01-6	Trichloroethene	ND	0.70	0.19	U
95-50-1	1,2-Dichlorobenzene	ND	2.8	0.20	U
541-73-1	1,3-Dichlorobenzene	ND	2.8	0.21	U
106-46-7	1,4-Dichlorobenzene	ND	2.8	0.24	U
1634-04-4	Methyl tert butyl ether	ND	2.8	0.28	U
179601-23-1	p/m-Xylene	ND	2.8	0.78	U
95-47-6	o-Xylene	ND	1.4	0.41	U
1330-20-7	Xylenes, Total	ND	1.4	0.41	U
156-59-2	cis-1,2-Dichloroethene	ND	1.4	0.24	U
540-59-0	1,2-Dichloroethene, Total	ND	1.4	0.19	U
74-95-3	Dibromomethane	ND	2.8	0.33	U
100-42-5	Styrene	ND	1.4	0.27	U
75-71-8	Dichlorodifluoromethane	ND	14	1.3	U
67-64-1	Acetone	ND	14	6.7	U
75-15-0	Carbon disulfide	ND	14	6.4	U
78-93-3	2-Butanone	ND	14	3.1	U
108-05-4	Vinyl acetate	ND	14	3.0	U
108-10-1	4-Methyl-2-pentanone	ND	14	1.8	U
96-18-4	1,2,3-Trichloropropane	ND	2.8	0.18	U
591-78-6	2-Hexanone	ND	14	1.6	U
74-97-5	Bromochloromethane	ND	2.8	0.29	U
594-20-7	2,2-Dichloropropane	ND	2.8	0.28	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-06	**Date Collected**	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 07:45
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MV
Lab File ID	: V10200902A05	**Instrument ID**	: VOA110
Sample Amount	: 3.8 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 94
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	1.4	0.39	U
142-28-9	1,3-Dichloropropane	ND	2.8	0.23	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.70	0.18	U
108-86-1	Bromobenzene	ND	2.8	0.20	U
104-51-8	n-Butylbenzene	ND	1.4	0.23	U
135-98-8	sec-Butylbenzene	ND	1.4	0.20	U
98-06-6	tert-Butylbenzene	ND	2.8	0.16	U
95-49-8	o-Chlorotoluene	ND	2.8	0.27	U
106-43-4	p-Chlorotoluene	ND	2.8	0.15	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.2	1.4	U
87-68-3	Hexachlorobutadiene	ND	5.6	0.24	U
98-82-8	Isopropylbenzene	ND	1.4	0.15	U
99-87-6	p-Isopropyltoluene	ND	1.4	0.15	U
91-20-3	Naphthalene	ND	5.6	0.91	U
107-13-1	Acrylonitrile	ND	5.6	1.6	U
103-65-1	n-Propylbenzene	ND	1.4	0.24	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.8	0.45	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.8	0.38	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.8	0.27	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.8	0.47	U
123-91-1	1,4-Dioxane	ND	110	49.	U
105-05-5	p-Diethylbenzene	ND	2.8	0.25	U
622-96-8	p-Ethyltoluene	ND	2.8	0.54	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.8	0.27	U
60-29-7	Ethyl ether	ND	2.8	0.48	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-06	**Date Collected**	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 07:45
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MV
Lab File ID	: V10200902A05	**Instrument ID**	: VOA110
Sample Amount	: 3.8 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 94
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	7.0	2.0	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-07	**Date Collected**	: 08/26/20 12:50
Client ID	: SP-9 (6.5-7.0')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 14:53
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AD
Lab File ID	: V10200901B15	**Instrument ID**	: VOA110
Sample Amount	: 5.7 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 88
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.69	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.24	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.16	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.93	U
74-83-9	Bromomethane	ND	2.0	0.58	U
75-01-4	Vinyl chloride	ND	1.0	0.33	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-07	**Date Collected**	: 08/26/20 12:50
Client ID	: SP-9 (6.5-7.0')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 14:53
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AD
Lab File ID	: V10200901B15	**Instrument ID**	: VOA110
Sample Amount	: 5.7 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 88
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.91	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.5	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.1	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-07	**Date Collected**	: 08/26/20 12:50
Client ID	: SP-9 (6.5-7.0')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 14:53
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AD
Lab File ID	: V10200901B15	**Instrument ID**	: VOA110
Sample Amount	: 5.7 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 88
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.14	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	0.99	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.0	0.65	U
107-13-1	Acrylonitrile	ND	4.0	1.1	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-07	**Date Collected**	: 08/26/20 12:50
Client ID	: SP-9 (6.5-7.0')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 14:53
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AD
Lab File ID	: V10200901B15	**Instrument ID**	: VOA110
Sample Amount	: 5.7 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 88
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-08	**Date Collected**	: 08/26/20 13:30
Client ID	: MW-2A (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 15:20
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B16	**Instrument ID**	: VOA110
Sample Amount	: 4.6 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 81
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	6.7	3.0	U
75-34-3	1,1-Dichloroethane	ND	1.3	0.19	U
67-66-3	Chloroform	ND	2.0	0.19	U
56-23-5	Carbon tetrachloride	ND	1.3	0.31	U
78-87-5	1,2-Dichloropropane	ND	1.3	0.17	U
124-48-1	Dibromochloromethane	ND	1.3	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.36	U
127-18-4	Tetrachloroethene	ND	0.67	0.26	U
108-90-7	Chlorobenzene	ND	0.67	0.17	U
75-69-4	Trichlorofluoromethane	ND	5.3	0.93	U
107-06-2	1,2-Dichloroethane	ND	1.3	0.34	U
71-55-6	1,1,1-Trichloroethane	ND	0.67	0.22	U
75-27-4	Bromodichloromethane	ND	0.67	0.14	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.36	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.67	0.21	U
542-75-6	1,3-Dichloropropene, Total	ND	0.67	0.21	U
563-58-6	1,1-Dichloropropene	ND	0.67	0.21	U
75-25-2	Bromoform	ND	5.3	0.33	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.67	0.22	U
71-43-2	Benzene	ND	0.67	0.22	U
108-88-3	Toluene	ND	1.3	0.72	U
100-41-4	Ethylbenzene	ND	1.3	0.19	U
74-87-3	Chloromethane	ND	5.3	1.2	U
74-83-9	Bromomethane	ND	2.7	0.77	U
75-01-4	Vinyl chloride	ND	1.3	0.45	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-08	**Date Collected**	: 08/26/20 13:30
Client ID	: MW-2A (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 15:20
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B16	**Instrument ID**	: VOA110
Sample Amount	: 4.6 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 81
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.7	0.60	U
75-35-4	1,1-Dichloroethene	ND	1.3	0.32	U
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.18	U
79-01-6	Trichloroethene	ND	0.67	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.7	0.19	U
541-73-1	1,3-Dichlorobenzene	ND	2.7	0.20	U
106-46-7	1,4-Dichlorobenzene	ND	2.7	0.23	U
1634-04-4	Methyl tert butyl ether	ND	2.7	0.27	U
179601-23-1	p/m-Xylene	ND	2.7	0.75	U
95-47-6	o-Xylene	ND	1.3	0.39	U
1330-20-7	Xylenes, Total	ND	1.3	0.39	U
156-59-2	cis-1,2-Dichloroethene	ND	1.3	0.23	U
540-59-0	1,2-Dichloroethene, Total	ND	1.3	0.18	U
74-95-3	Dibromomethane	ND	2.7	0.32	U
100-42-5	Styrene	ND	1.3	0.26	U
75-71-8	Dichlorodifluoromethane	ND	13	1.2	U
67-64-1	Acetone	ND	13	6.4	U
75-15-0	Carbon disulfide	ND	13	6.1	U
78-93-3	2-Butanone	ND	13	3.0	U
108-05-4	Vinyl acetate	ND	13	2.9	U
108-10-1	4-Methyl-2-pentanone	ND	13	1.7	U
96-18-4	1,2,3-Trichloropropane	ND	2.7	0.17	U
591-78-6	2-Hexanone	ND	13	1.6	U
74-97-5	Bromochloromethane	ND	2.7	0.27	U
594-20-7	2,2-Dichloropropane	ND	2.7	0.27	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-08	**Date Collected**	: 08/26/20 13:30
Client ID	: MW-2A (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 15:20
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B16	**Instrument ID**	: VOA110
Sample Amount	: 4.6 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 81
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	1.3	0.37	U
142-28-9	1,3-Dichloropropane	ND	2.7	0.22	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.67	0.18	U
108-86-1	Bromobenzene	ND	2.7	0.19	U
104-51-8	n-Butylbenzene	ND	1.3	0.22	U
135-98-8	sec-Butylbenzene	ND	1.3	0.19	U
98-06-6	tert-Butylbenzene	ND	2.7	0.16	U
95-49-8	o-Chlorotoluene	ND	2.7	0.25	U
106-43-4	p-Chlorotoluene	ND	2.7	0.14	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.0	1.3	U
87-68-3	Hexachlorobutadiene	ND	5.3	0.22	U
98-82-8	Isopropylbenzene	ND	1.3	0.14	U
99-87-6	p-Isopropyltoluene	ND	1.3	0.14	U
91-20-3	Naphthalene	ND	5.3	0.87	U
107-13-1	Acrylonitrile	ND	5.3	1.5	U
103-65-1	n-Propylbenzene	ND	1.3	0.23	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.7	0.43	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.7	0.36	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.7	0.26	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.7	0.44	U
123-91-1	1,4-Dioxane	ND	110	47.	U
105-05-5	p-Diethylbenzene	ND	2.7	0.24	U
622-96-8	p-Ethyltoluene	ND	2.7	0.51	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.7	0.25	U
60-29-7	Ethyl ether	ND	2.7	0.45	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-08	**Date Collected**	: 08/26/20 13:30
Client ID	: MW-2A (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 15:20
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B16	**Instrument ID**	: VOA110
Sample Amount	: 4.6 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 81
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.7	1.9	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-09	**Date Collected**	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 15:47
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B17	**Instrument ID**	: VOA110
Sample Amount	: 2.8 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 95
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	9.4	4.3	U
75-34-3	1,1-Dichloroethane	ND	1.9	0.27	U
67-66-3	Chloroform	ND	2.8	0.26	U
56-23-5	Carbon tetrachloride	ND	1.9	0.43	U
78-87-5	1,2-Dichloropropane	ND	1.9	0.23	U
124-48-1	Dibromochloromethane	ND	1.9	0.26	U
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.50	U
127-18-4	Tetrachloroethene	ND	0.94	0.37	U
108-90-7	Chlorobenzene	ND	0.94	0.24	U
75-69-4	Trichlorofluoromethane	ND	7.5	1.3	U
107-06-2	1,2-Dichloroethane	ND	1.9	0.48	U
71-55-6	1,1,1-Trichloroethane	ND	0.94	0.31	U
75-27-4	Bromodichloromethane	ND	0.94	0.20	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.51	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.94	0.30	U
542-75-6	1,3-Dichloropropene, Total	ND	0.94	0.30	U
563-58-6	1,1-Dichloropropene	ND	0.94	0.30	U
75-25-2	Bromoform	ND	7.5	0.46	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.94	0.31	U
71-43-2	Benzene	ND	0.94	0.31	U
108-88-3	Toluene	ND	1.9	1.0	U
100-41-4	Ethylbenzene	ND	1.9	0.26	U
74-87-3	Chloromethane	ND	7.5	1.7	U
74-83-9	Bromomethane	ND	3.7	1.1	U
75-01-4	Vinyl chloride	ND	1.9	0.63	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-09	**Date Collected**	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 15:47
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B17	**Instrument ID**	: VOA110
Sample Amount	: 2.8 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 95
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	3.7	0.85	U
75-35-4	1,1-Dichloroethene	ND	1.9	0.44	U
156-60-5	trans-1,2-Dichloroethene	ND	2.8	0.26	U
79-01-6	Trichloroethene	ND	0.94	0.26	U
95-50-1	1,2-Dichlorobenzene	ND	3.7	0.27	U
541-73-1	1,3-Dichlorobenzene	ND	3.7	0.28	U
106-46-7	1,4-Dichlorobenzene	ND	3.7	0.32	U
1634-04-4	Methyl tert butyl ether	ND	3.7	0.38	U
179601-23-1	p/m-Xylene	ND	3.7	1.0	U
95-47-6	o-Xylene	ND	1.9	0.54	U
1330-20-7	Xylenes, Total	ND	1.9	0.54	U
156-59-2	cis-1,2-Dichloroethene	ND	1.9	0.33	U
540-59-0	1,2-Dichloroethene, Total	ND	1.9	0.26	U
74-95-3	Dibromomethane	ND	3.7	0.44	U
100-42-5	Styrene	ND	1.9	0.37	U
75-71-8	Dichlorodifluoromethane	ND	19	1.7	U
67-64-1	Acetone	ND	19	9.0	U
75-15-0	Carbon disulfide	ND	19	8.5	U
78-93-3	2-Butanone	ND	19	4.2	U
108-05-4	Vinyl acetate	ND	19	4.0	U
108-10-1	4-Methyl-2-pentanone	ND	19	2.4	U
96-18-4	1,2,3-Trichloropropane	ND	3.7	0.24	U
591-78-6	2-Hexanone	ND	19	2.2	U
74-97-5	Bromochloromethane	ND	3.7	0.38	U
594-20-7	2,2-Dichloropropane	ND	3.7	0.38	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-09	**Date Collected**	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 15:47
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B17	**Instrument ID**	: VOA110
Sample Amount	: 2.8 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 95
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	1.9	0.52	U
142-28-9	1,3-Dichloropropane	ND	3.7	0.31	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.94	0.25	U
108-86-1	Bromobenzene	ND	3.7	0.27	U
104-51-8	n-Butylbenzene	ND	1.9	0.31	U
135-98-8	sec-Butylbenzene	ND	1.9	0.27	U
98-06-6	tert-Butylbenzene	ND	3.7	0.22	U
95-49-8	o-Chlorotoluene	ND	3.7	0.36	U
106-43-4	p-Chlorotoluene	ND	3.7	0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	1.9	U
87-68-3	Hexachlorobutadiene	ND	7.5	0.32	U
98-82-8	Isopropylbenzene	ND	1.9	0.20	U
99-87-6	p-Isopropyltoluene	ND	1.9	0.20	U
91-20-3	Naphthalene	ND	7.5	1.2	U
107-13-1	Acrylonitrile	ND	7.5	2.2	U
103-65-1	n-Propylbenzene	ND	1.9	0.32	U
87-61-6	1,2,3-Trichlorobenzene	ND	3.7	0.60	U
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	0.51	U
108-67-8	1,3,5-Trimethylbenzene	ND	3.7	0.36	U
95-63-6	1,2,4-Trimethylbenzene	ND	3.7	0.62	U
123-91-1	1,4-Dioxane	ND	150	66.	U
105-05-5	p-Diethylbenzene	ND	3.7	0.33	U
622-96-8	p-Ethyltoluene	ND	3.7	0.72	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	3.7	0.36	U
60-29-7	Ethyl ether	ND	3.7	0.64	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-09	**Date Collected**	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 15:47
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B17	**Instrument ID**	: VOA110
Sample Amount	: 2.8 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 95
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	9.4	2.6	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-10	**Date Collected**	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 16:14
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B18	**Instrument ID**	: VOA110
Sample Amount	: 5.1 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 91
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.4	2.5	U
75-34-3	1,1-Dichloroethane	ND	1.1	0.16	U
67-66-3	Chloroform	ND	1.6	0.15	U
56-23-5	Carbon tetrachloride	ND	1.1	0.25	U
78-87-5	1,2-Dichloropropane	ND	1.1	0.14	U
124-48-1	Dibromochloromethane	ND	1.1	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.1	0.29	U
127-18-4	Tetrachloroethene	ND	0.54	0.21	U
108-90-7	Chlorobenzene	ND	0.54	0.14	U
75-69-4	Trichlorofluoromethane	ND	4.4	0.76	U
107-06-2	1,2-Dichloroethane	ND	1.1	0.28	U
71-55-6	1,1,1-Trichloroethane	ND	0.54	0.18	U
75-27-4	Bromodichloromethane	ND	0.54	0.12	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.1	0.30	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.54	0.17	U
542-75-6	1,3-Dichloropropene, Total	ND	0.54	0.17	U
563-58-6	1,1-Dichloropropene	ND	0.54	0.17	U
75-25-2	Bromoform	ND	4.4	0.27	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.54	0.18	U
71-43-2	Benzene	0.21	0.54	0.18	J
108-88-3	Toluene	ND	1.1	0.59	U
100-41-4	Ethylbenzene	ND	1.1	0.15	U
74-87-3	Chloromethane	ND	4.4	1.0	U
74-83-9	Bromomethane	ND	2.2	0.63	U
75-01-4	Vinyl chloride	ND	1.1	0.36	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-10	**Date Collected**	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 16:14
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B18	**Instrument ID**	: VOA110
Sample Amount	: 5.1 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 91
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.2	0.49	U
75-35-4	1,1-Dichloroethene	ND	1.1	0.26	U
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.15	U
79-01-6	Trichloroethene	ND	0.54	0.15	U
95-50-1	1,2-Dichlorobenzene	ND	2.2	0.16	U
541-73-1	1,3-Dichlorobenzene	ND	2.2	0.16	U
106-46-7	1,4-Dichlorobenzene	ND	2.2	0.19	U
1634-04-4	Methyl tert butyl ether	ND	2.2	0.22	U
179601-23-1	p/m-Xylene	ND	2.2	0.61	U
95-47-6	o-Xylene	ND	1.1	0.32	U
1330-20-7	Xylenes, Total	ND	1.1	0.32	U
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.19	U
540-59-0	1,2-Dichloroethene, Total	ND	1.1	0.15	U
74-95-3	Dibromomethane	ND	2.2	0.26	U
100-42-5	Styrene	ND	1.1	0.21	U
75-71-8	Dichlorodifluoromethane	ND	11	1.0	U
67-64-1	Acetone	ND	11	5.2	U
75-15-0	Carbon disulfide	ND	11	5.0	U
78-93-3	2-Butanone	ND	11	2.4	U
108-05-4	Vinyl acetate	ND	11	2.3	U
108-10-1	4-Methyl-2-pentanone	ND	11	1.4	U
96-18-4	1,2,3-Trichloropropane	ND	2.2	0.14	U
591-78-6	2-Hexanone	ND	11	1.3	U
74-97-5	Bromochloromethane	ND	2.2	0.22	U
594-20-7	2,2-Dichloropropane	ND	2.2	0.22	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-10	**Date Collected**	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 16:14
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B18	**Instrument ID**	: VOA110
Sample Amount	: 5.1 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 91
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	1.1	0.30	U
142-28-9	1,3-Dichloropropane	ND	2.2	0.18	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.54	0.14	U
108-86-1	Bromobenzene	ND	2.2	0.16	U
104-51-8	n-Butylbenzene	ND	1.1	0.18	U
135-98-8	sec-Butylbenzene	ND	1.1	0.16	U
98-06-6	tert-Butylbenzene	ND	2.2	0.13	U
95-49-8	o-Chlorotoluene	ND	2.2	0.21	U
106-43-4	p-Chlorotoluene	ND	2.2	0.12	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.3	1.1	U
87-68-3	Hexachlorobutadiene	ND	4.4	0.18	U
98-82-8	Isopropylbenzene	ND	1.1	0.12	U
99-87-6	p-Isopropyltoluene	ND	1.1	0.12	U
91-20-3	Naphthalene	ND	4.4	0.71	U
107-13-1	Acrylonitrile	ND	4.4	1.2	U
103-65-1	n-Propylbenzene	ND	1.1	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.2	0.35	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.2	0.30	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.2	0.21	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.2	0.36	U
123-91-1	1,4-Dioxane	ND	87	38.	U
105-05-5	p-Diethylbenzene	ND	2.2	0.19	U
622-96-8	p-Ethyltoluene	ND	2.2	0.42	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.2	0.21	U
60-29-7	Ethyl ether	ND	2.2	0.37	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-10	**Date Collected**	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 16:14
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B18	**Instrument ID**	: VOA110
Sample Amount	: 5.1 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 91
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.4	1.5	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-11	**Date Collected**	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 16:42
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B19	**Instrument ID**	: VOA110
Sample Amount	: 4.3 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 90
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	6.5	3.0	U
75-34-3	1,1-Dichloroethane	ND	1.3	0.19	U
67-66-3	Chloroform	ND	2.0	0.18	U
56-23-5	Carbon tetrachloride	ND	1.3	0.30	U
78-87-5	1,2-Dichloropropane	ND	1.3	0.16	U
124-48-1	Dibromochloromethane	ND	1.3	0.18	U
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.35	U
127-18-4	Tetrachloroethene	ND	0.65	0.26	U
108-90-7	Chlorobenzene	ND	0.65	0.17	U
75-69-4	Trichlorofluoromethane	ND	5.2	0.91	U
107-06-2	1,2-Dichloroethane	ND	1.3	0.34	U
71-55-6	1,1,1-Trichloroethane	ND	0.65	0.22	U
75-27-4	Bromodichloromethane	ND	0.65	0.14	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.36	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.65	0.21	U
542-75-6	1,3-Dichloropropene, Total	ND	0.65	0.21	U
563-58-6	1,1-Dichloropropene	ND	0.65	0.21	U
75-25-2	Bromoform	ND	5.2	0.32	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.65	0.22	U
71-43-2	Benzene	ND	0.65	0.22	U
108-88-3	Toluene	ND	1.3	0.71	U
100-41-4	Ethylbenzene	ND	1.3	0.18	U
74-87-3	Chloromethane	ND	5.2	1.2	U
74-83-9	Bromomethane	ND	2.6	0.76	U
75-01-4	Vinyl chloride	ND	1.3	0.44	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-11	**Date Collected**	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 16:42
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B19	**Instrument ID**	: VOA110
Sample Amount	: 4.3 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 90
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.6	0.59	U
75-35-4	1,1-Dichloroethene	ND	1.3	0.31	U
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.18	U
79-01-6	Trichloroethene	ND	0.65	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.6	0.19	U
541-73-1	1,3-Dichlorobenzene	ND	2.6	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.6	0.22	U
1634-04-4	Methyl tert butyl ether	ND	2.6	0.26	U
179601-23-1	p/m-Xylene	ND	2.6	0.73	U
95-47-6	o-Xylene	ND	1.3	0.38	U
1330-20-7	Xylenes, Total	ND	1.3	0.38	U
156-59-2	cis-1,2-Dichloroethene	ND	1.3	0.23	U
540-59-0	1,2-Dichloroethene, Total	ND	1.3	0.18	U
74-95-3	Dibromomethane	ND	2.6	0.31	U
100-42-5	Styrene	ND	1.3	0.26	U
75-71-8	Dichlorodifluoromethane	ND	13	1.2	U
67-64-1	Acetone	ND	13	6.3	U
75-15-0	Carbon disulfide	ND	13	6.0	U
78-93-3	2-Butanone	ND	13	2.9	U
108-05-4	Vinyl acetate	ND	13	2.8	U
108-10-1	4-Methyl-2-pentanone	ND	13	1.7	U
96-18-4	1,2,3-Trichloropropane	ND	2.6	0.17	U
591-78-6	2-Hexanone	ND	13	1.5	U
74-97-5	Bromochloromethane	ND	2.6	0.27	U
594-20-7	2,2-Dichloropropane	ND	2.6	0.26	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-11	**Date Collected**	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 16:42
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B19	**Instrument ID**	: VOA110
Sample Amount	: 4.3 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 90
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	1.3	0.36	U
142-28-9	1,3-Dichloropropane	ND	2.6	0.22	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.65	0.17	U
108-86-1	Bromobenzene	ND	2.6	0.19	U
104-51-8	n-Butylbenzene	ND	1.3	0.22	U
135-98-8	sec-Butylbenzene	ND	1.3	0.19	U
98-06-6	tert-Butylbenzene	ND	2.6	0.15	U
95-49-8	o-Chlorotoluene	ND	2.6	0.25	U
106-43-4	p-Chlorotoluene	ND	2.6	0.14	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.9	1.3	U
87-68-3	Hexachlorobutadiene	ND	5.2	0.22	U
98-82-8	Isopropylbenzene	ND	1.3	0.14	U
99-87-6	p-Isopropyltoluene	ND	1.3	0.14	U
91-20-3	Naphthalene	ND	5.2	0.85	U
107-13-1	Acrylonitrile	ND	5.2	1.5	U
103-65-1	n-Propylbenzene	ND	1.3	0.22	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.6	0.42	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.6	0.36	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.6	0.25	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.6	0.44	U
123-91-1	1,4-Dioxane	ND	100	46.	U
105-05-5	p-Diethylbenzene	ND	2.6	0.23	U
622-96-8	p-Ethyltoluene	ND	2.6	0.50	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.6	0.25	U
60-29-7	Ethyl ether	ND	2.6	0.45	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-11	**Date Collected**	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 16:42
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B19	**Instrument ID**	: VOA110
Sample Amount	: 4.3 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 90
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.5	1.8	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-12	**Date Collected**	: 08/26/20 15:18
Client ID	: 20200826DUP	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 17:09
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B20	**Instrument ID**	: VOA110
Sample Amount	: 5.2 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 87
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.6	2.5	U
75-34-3	1,1-Dichloroethane	ND	1.1	0.16	U
67-66-3	Chloroform	ND	1.7	0.16	U
56-23-5	Carbon tetrachloride	ND	1.1	0.26	U
78-87-5	1,2-Dichloropropane	ND	1.1	0.14	U
124-48-1	Dibromochloromethane	ND	1.1	0.16	U
79-00-5	1,1,2-Trichloroethane	ND	1.1	0.30	U
127-18-4	Tetrachloroethene	ND	0.56	0.22	U
108-90-7	Chlorobenzene	ND	0.56	0.14	U
75-69-4	Trichlorofluoromethane	ND	4.4	0.77	U
107-06-2	1,2-Dichloroethane	ND	1.1	0.28	U
71-55-6	1,1,1-Trichloroethane	ND	0.56	0.18	U
75-27-4	Bromodichloromethane	ND	0.56	0.12	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.1	0.30	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.56	0.18	U
542-75-6	1,3-Dichloropropene, Total	ND	0.56	0.18	U
563-58-6	1,1-Dichloropropene	ND	0.56	0.18	U
75-25-2	Bromoform	ND	4.4	0.27	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.56	0.18	U
71-43-2	Benzene	ND	0.56	0.18	U
108-88-3	Toluene	ND	1.1	0.60	U
100-41-4	Ethylbenzene	ND	1.1	0.16	U
74-87-3	Chloromethane	ND	4.4	1.0	U
74-83-9	Bromomethane	ND	2.2	0.64	U
75-01-4	Vinyl chloride	ND	1.1	0.37	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-12	**Date Collected**	: 08/26/20 15:18
Client ID	: 20200826DUP	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 17:09
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B20	**Instrument ID**	: VOA110
Sample Amount	: 5.2 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 87
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.2	0.50	U
75-35-4	1,1-Dichloroethene	ND	1.1	0.26	U
156-60-5	trans-1,2-Dichloroethene	ND	1.7	0.15	U
79-01-6	Trichloroethene	ND	0.56	0.15	U
95-50-1	1,2-Dichlorobenzene	ND	2.2	0.16	U
541-73-1	1,3-Dichlorobenzene	ND	2.2	0.16	U
106-46-7	1,4-Dichlorobenzene	ND	2.2	0.19	U
1634-04-4	Methyl tert butyl ether	ND	2.2	0.22	U
179601-23-1	p/m-Xylene	ND	2.2	0.62	U
95-47-6	o-Xylene	ND	1.1	0.32	U
1330-20-7	Xylenes, Total	ND	1.1	0.32	U
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.19	U
540-59-0	1,2-Dichloroethene, Total	ND	1.1	0.15	U
74-95-3	Dibromomethane	ND	2.2	0.26	U
100-42-5	Styrene	0.63	1.1	0.22	J
75-71-8	Dichlorodifluoromethane	ND	11	1.0	U
67-64-1	Acetone	ND	11	5.3	U
75-15-0	Carbon disulfide	ND	11	5.0	U
78-93-3	2-Butanone	ND	11	2.5	U
108-05-4	Vinyl acetate	ND	11	2.4	U
108-10-1	4-Methyl-2-pentanone	ND	11	1.4	U
96-18-4	1,2,3-Trichloropropane	ND	2.2	0.14	U
591-78-6	2-Hexanone	ND	11	1.3	U
74-97-5	Bromochloromethane	ND	2.2	0.23	U
594-20-7	2,2-Dichloropropane	ND	2.2	0.22	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-12	**Date Collected**	: 08/26/20 15:18
Client ID	: 20200826DUP	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 17:09
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B20	**Instrument ID**	: VOA110
Sample Amount	: 5.2 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 87
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	1.1	0.31	U
142-28-9	1,3-Dichloropropane	ND	2.2	0.18	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.56	0.15	U
108-86-1	Bromobenzene	ND	2.2	0.16	U
104-51-8	n-Butylbenzene	ND	1.1	0.18	U
135-98-8	sec-Butylbenzene	ND	1.1	0.16	U
98-06-6	tert-Butylbenzene	ND	2.2	0.13	U
95-49-8	o-Chlorotoluene	ND	2.2	0.21	U
106-43-4	p-Chlorotoluene	ND	2.2	0.12	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.3	1.1	U
87-68-3	Hexachlorobutadiene	ND	4.4	0.19	U
98-82-8	Isopropylbenzene	ND	1.1	0.12	U
99-87-6	p-Isopropyltoluene	ND	1.1	0.12	U
91-20-3	Naphthalene	ND	4.4	0.72	U
107-13-1	Acrylonitrile	ND	4.4	1.3	U
103-65-1	n-Propylbenzene	ND	1.1	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.2	0.36	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.2	0.30	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.2	0.21	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.2	0.37	U
123-91-1	1,4-Dioxane	ND	89	39.	U
105-05-5	p-Diethylbenzene	ND	2.2	0.20	U
622-96-8	p-Ethyltoluene	ND	2.2	0.43	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.2	0.21	U
60-29-7	Ethyl ether	ND	2.2	0.38	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-12	**Date Collected**	: 08/26/20 15:18
Client ID	: 20200826DUP	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 17:09
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V10200901B20	**Instrument ID**	: VOA110
Sample Amount	: 5.2 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 87
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.6	1.6	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-13	**Date Collected**	: 08/26/20 16:00
Client ID	: 20200826EB	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 15:19
Sample Matrix	: Equipment Blank	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V22200901A18	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-13	**Date Collected**	: 08/26/20 16:00
Client ID	: 20200826EB	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 15:19
Sample Matrix	: Equipment Blank	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V22200901A18	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-13	Date Collected	: 08/26/20 16:00
Client ID	: 20200826EB	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 15:19
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V22200901A18	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-13	**Date Collected**	: 08/26/20 16:00
Client ID	: 20200826EB	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 15:19
Sample Matrix	: Equipment Blank	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V22200901A18	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405304-5	**Date Collected**	: NA
Client ID	: WG1405304-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/01/20 10:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B05	**Instrument ID**	: VOA110
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.93	U
74-83-9	Bromomethane	ND	2.0	0.58	U
75-01-4	Vinyl chloride	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405304-5	**Date Collected**	: NA
Client ID	: WG1405304-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/01/20 10:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B05	**Instrument ID**	: VOA110
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405304-5	**Date Collected**	: NA
Client ID	: WG1405304-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/01/20 10:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B05	**Instrument ID**	: VOA110
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.0	0.65	U
107-13-1	Acrylonitrile	ND	4.0	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405304-5	**Date Collected**	: NA
Client ID	: WG1405304-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/01/20 10:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V10200901B05	**Instrument ID**	: VOA110
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405387-5	**Date Collected**	: NA
Client ID	: WG1405387-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/01/20 09:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22200901A05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405387-5	**Date Collected**	: NA
Client ID	: WG1405387-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/01/20 09:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22200901A05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1405387-5	Date Collected	: NA
Client ID	: WG1405387-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/01/20 09:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22200901A05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405387-5	**Date Collected**	: NA
Client ID	: WG1405387-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/01/20 09:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22200901A05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405578-5	**Date Collected**	: NA
Client ID	: WG1405578-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/02/20 07:18
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MV
Lab File ID	: V10200902A04	**Instrument ID**	: VOA110
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.93	U
74-83-9	Bromomethane	ND	2.0	0.58	U
75-01-4	Vinyl chloride	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405578-5	**Date Collected**	: NA
Client ID	: WG1405578-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/02/20 07:18
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MV
Lab File ID	: V10200902A04	**Instrument ID**	: VOA110
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405578-5	**Date Collected**	: NA
Client ID	: WG1405578-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/02/20 07:18
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MV
Lab File ID	: V10200902A04	**Instrument ID**	: VOA110
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.0	0.65	U
107-13-1	Acrylonitrile	ND	4.0	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405578-5	**Date Collected**	: NA
Client ID	: WG1405578-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/02/20 07:18
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MV
Lab File ID	: V10200902A04	**Instrument ID**	: VOA110
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Initial Calibration Summary
Form 6
Volatiles

Client	**: GZA GeoEnvironmental, Inc.**	**Lab Number**	**: L2035276**
Project Name	**: 100 UNION AVE**	**Project Number**	**: 12.0076932.00**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL17088**
Calibration dates	**: 08/27/20 13:17 08/27/20 18:48**		

Calibration Files

L11 =V22200827B17.D L1 =V22200827B04.D L2 =V22200827B07.D L3 =V22200827B08.D L4 =V22200827B09.D

L6 =V22200827B10.D L8 =V22200827B11.D L10 =V22200827B12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
44)	TP	Benzene	0.876	0.738	0.844	0.842	0.821	0.833	0.844	0.813	0.826	4.89
45)	TP	Tertiary-Amyl Methyl Ether		0.450	0.476	0.494	0.551	0.559	0.579	0.578	0.527	9.98
46)	S	1,2-Dichloroethane-d4	0.259	0.261	0.261	0.235	0.240	0.256	0.269	0.274	0.257	5.18
47)	T	1,2-Dichloroet		0.277	0.286	0.273	0.269	0.274	0.281	0.282	0.277	2.11
50)	TP	Methyl cyclohe		0.253	0.330	0.368	0.363	0.384	0.393	0.402	0.356	14.43
51)	TP	Trichloroethene	0.290	0.213	0.257	0.251	0.244	0.256	0.265	0.270	0.256	8.71
53)	TP	Dibromomethane		0.124	0.133	0.133	0.131	0.131	0.133	0.135	0.131	2.82
54)	TC	1,2-Dichloropr		0.184	0.196	0.193	0.188	0.191	0.194	0.194	0.192	2.18
56)	TP	2-Chloroethyl		0.079	0.100	0.106	0.102	0.108	0.108	0.109	0.102	10.43
57)	TP	Bromodichlorom		0.267	0.280	0.292	0.288	0.297	0.303	0.301	0.290	4.38
60)	TP	1,4-Dioxane		0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002#	5.66
61)	TP	cis-1,3-Dichlo	0.335	0.300	0.310	0.325	0.328	0.359	0.360	0.361	0.335	7.00
62)	I	Chlorobenzene-d5	----------ISTD----------									
63)	S	Toluene-d8	1.289	1.256	1.253	1.274	1.243	1.249	1.242	1.220	1.253	1.66
64)	TC	Toluene		0.604	0.684	0.671	0.650	0.665	0.681	0.662	0.659	4.10
65)	TP	4-Methyl-2-pen		0.048	0.053	0.057	0.060	0.062	0.064	0.065	0.058#	10.82
66)	TP	Tetrachloroethene		0.331	0.387	0.400	0.373	0.377	0.377	0.366	0.373	5.74
68)	TP	trans-1,3-Dich	0.410	0.311	0.316	0.331	0.335	0.341	0.347	0.342	0.342	8.93
70)	TP	Ethyl methacry		0.191	0.209	0.223	0.232	0.242	0.248	0.247	0.227	9.33
71)	TP	1,1,2-Trichlor		0.148	0.171	0.174	0.167	0.169	0.172	0.170	0.167	5.13
72)	TP	Chlorodibromom		0.252	0.274	0.291	0.290	0.292	0.296	0.292	0.284	5.56
73)	TP	1,3-Dichloropr		0.323	0.310	0.329	0.319	0.323	0.325	0.316	0.320	1.90
74)	TP	1,2-Dibromoethane		0.203	0.226	0.232	0.226	0.227	0.229	0.224	0.224	4.22
76)	TP	2-Hexanone		0.073	0.089	0.100	0.103	0.108	0.111	0.109	0.099#	13.47
77)	TP	Chlorobenzene		0.748	0.836	0.831	0.791	0.798	0.802	0.767	0.796	4.00
78)	TC	Ethylbenzene		1.077	1.289	1.295	1.256	1.307	1.302	1.181	1.244	6.87
79)	TP	1,1,1,2-Tetrac		0.267	0.312	0.314	0.307	0.310	0.316	0.311	0.305	5.60
80)	TP	p/m Xylene		0.456	0.539	0.555	0.544	0.574	0.577	0.534	0.540	7.49
81)	TP	o Xylene		0.401	0.489	0.500	0.491	0.525	0.527	0.493	0.490	8.62
82)	TP	Styrene		0.678	0.777	0.837	0.841	0.901	0.866	0.732	0.805	9.82
83)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84)	TP	Bromoform		0.290	0.325	0.343	0.345	0.371	0.393	0.404	0.353	11.29
86)	TP	Isopropylbenzene		1.290	1.442	1.413	1.388	1.387	1.402	1.305	1.375	4.10
87)	S	4-Bromofluorobenzene	0.789	0.762	0.771	0.758	0.762	0.752	0.770	0.765	0.766	1.44
88)	TP	Bromobenzene		0.648	0.658	0.674	0.643	0.642	0.656	0.649	0.653	1.69
89)	TP	n-Propylbenzene		2.192	2.710	2.709	2.708	2.751	2.635	2.282	2.570	8.99

Initial Calibration Summary
Form 6
Volatiles

Client	**: GZA GeoEnvironmental, Inc.**	**Lab Number**	**: L2035276**
Project Name	**: 100 UNION AVE**	**Project Number**	**: 12.0076932.00**
Instrument ID	**: VOA110**	**Ical Ref**	**: ICAL17089**
Calibration dates	**: 08/27/20 17:48 08/27/20 21:35**		

Calibration Files

L0 =V10200827N03.D L1 =V10200827N04.D L1.5=V10200827N05.D L2 =V10200827N06.D L3 =V10200827N07.D

L4 =V10200827N08.D L6 =V10200827N09.D L7 =V10200827N10.D L8 =V10200827N11.D

		Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
41)	TP	Benzene	1.101	0.938	0.983	1.040	0.983	0.976	0.983	0.960	0.944	0.990	5.17
42)	TP	Tertiary-Amyl Methyl Ether		0.562	0.580	0.625	0.691	0.693	0.704	0.710	0.709	0.659	9.27
43)	S	1,2-Dichloroethane-d4	0.252	0.252	0.250	0.248	0.250	0.244	0.245	0.255	0.259	0.251	1.90
44)	TP	1,2-Dichloroet		0.358	0.338	0.339	0.329	0.322	0.318	0.314	0.308	0.328	4.99
47)	TP	Methyl cyclohe		0.347	0.379	0.382	0.386	0.385	0.423	0.425	0.421	0.393	6.96
48)	TP	Trichloroethene	0.285	0.255	0.246	0.279	0.255	0.255	0.258	0.253	0.252	0.260	5.03
50)	TP	Dibromomethane		0.163	0.163	0.168	0.163	0.161	0.163	0.164	0.162	0.163	1.18
51)	TC	1,2-Dichloropr		0.249	0.239	0.238	0.236	0.226	0.228	0.223	0.222	0.233	3.98
53)	TP	2-Chloroethyl		0.126	0.122	0.133	0.147	0.146	0.150	0.149	0.148	0.140	8.14
54)	TP	Bromodichloromethane	0.371	0.317	0.338	0.350	0.346	0.339	0.346	0.346	0.342	0.344	4.09
57)	TP	1,4-Dioxane		0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004#	10.65
58)	TP	cis-1,3-Dichloropropene	0.361	0.363	0.356	0.394	0.402	0.401	0.408	0.407	0.403	0.388	5.61
59)	I	Chlorobenzene-d5	----------ISTD----------										
60)	S	Toluene-d8	1.175	1.181	1.195	1.207	1.217	1.208	1.197	1.174	1.185	1.193	1.30
61)	TC	Toluene		0.718	0.781	0.838	0.783	0.785	0.784	0.758	0.746	0.774	4.54
62)	TP	4-Methyl-2-pen		0.093	0.100	0.115	0.122	0.125	0.127	0.131	0.127	0.118	11.74
63)	TP	Tetrachloroethene	0.331	0.342	0.337	0.364	0.350	0.342	0.354	0.345	0.338	0.345	2.90
65)	TP	trans-1,3-Dich		0.373	0.396	0.421	0.427	0.441	0.446	0.441	0.437	0.423	6.07
67)	TP	Ethyl methacry		0.289	0.289	0.330	0.362	0.380	0.396	0.407	0.403	0.357	13.65
68)	TP	1,1,2-Trichlor		0.214	0.235	0.235	0.229	0.227	0.223	0.222	0.219	0.226	3.32
69)	TP	Chlorodibromomethane	0.322	0.302	0.318	0.335	0.340	0.340	0.346	0.345	0.340	0.332	4.47
70)	TP	1,3-Dichloropr		0.433	0.456	0.483	0.456	0.456	0.452	0.443	0.429	0.451	3.75
71)	TP	1,2-Dibromoethane		0.256	0.271	0.299	0.303	0.295	0.298	0.296	0.289	0.288	5.72
72)	TP	2-Hexanone		0.199	0.217	0.232	0.252	0.260	0.263	0.267	0.249	0.243	9.98
73)	TP	Chlorobenzene	1.043	0.905	0.939	1.010	0.949	0.946	0.963	0.931	0.920	0.956	4.62
74)	TC	Ethylbenzene		1.363	1.314	1.487	1.460	1.469	1.518	1.489	1.468	1.446	4.83
75)	TP	1,1,1,2-Tetrachloroethane	0.328	0.322	0.309	0.353	0.333	0.340	0.346	0.344	0.339	0.335	4.06
76)	TP	p/m Xylene	0.603	0.491	0.531	0.602	0.614	0.619	0.642	0.641	0.637	0.598	8.75
77)	TP	o Xylene	0.514	0.476	0.498	0.571	0.574	0.587	0.614	0.609	0.606	0.561	9.22
78)	TP	Styrene	0.792	0.715	0.789	0.926	0.993	1.019	1.076	1.087	1.085	*Q	0.9997
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	TP	Bromoform		0.322	0.366	0.377	0.397	0.406	0.420	0.441	0.438	0.396	10.10
82)	TP	Isopropylbenzene		2.297	2.426	2.731	2.661	2.734	2.801	2.803	2.740	2.649	7.03
83)	S	4-Bromofluorobenzene	0.797	0.773	0.765	0.766	0.748	0.750	0.729	0.749	0.743	0.758	2.63
84)	TP	Bromobenzene		0.706	0.746	0.776	0.730	0.738	0.728	0.727	0.709	0.732	3.03
85)	TP	n-Propylbenzene		2.786	2.761	3.181	3.062	3.064	3.139	3.138	3.054	3.023	5.31

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2020\200827B\
Data File : V22200827B19.D
Acq On : 27 Aug 2020 07:39 pm
Operator : VOA122:AJK
Sample : C8260STD10PPB
Misc : WG1403797
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 27 20:08:14 2020
Quant Method : I:\VOLATILES\VOA122\2020\200827B\V122_200827B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 27 20:05:29 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	91	0.00
2	TP	Dichlorodifluoromethane	0.136	0.199	-46.3#	121	0.00
3	TP	Chloromethane	0.172	0.184	-7.0	92	0.00
4	TC	Vinyl chloride	0.218	0.231	-6.0	89	0.00
5	TP	Bromomethane	0.140	0.124	11.4	81	0.00
6	TP	Chloroethane	0.162	0.174	-7.4	88	0.00
7	TP	Trichlorofluoromethane	0.342	0.368	-7.6	89	0.00
8	TP	Ethyl ether	0.095	0.098	-3.2	93	0.00
10	TC	1,1-Dichloroethene	0.200	0.188	6.0	82	0.00
11	TP	Carbon disulfide	0.419	0.365	12.9	76	0.00
12	TP	Freon-113	0.211	0.242	-14.7	97	0.00
14	TP	Acrolein	0.023	0.019#	17.4	77	0.00
15	TP	Methylene chloride	0.214	0.200	6.5	83	0.00
17	TP	Acetone	0.039	0.036#	7.7	91	0.00
18	TP	trans-1,2-Dichloroethene	0.214	0.209	2.3	86	0.00
19	TP	Methyl acetate	0.099	0.106	-7.1	101	0.00
21	TP	Methyl tert-butyl ether	0.455	0.447	1.8	88	0.00
22	TP	tert-Butyl alcohol	0.014	0.013#	7.1	91	0.00
24	TP	Diisopropyl ether	0.547	0.533	2.6	87	0.00
25	TP	1,1-Dichloroethane	0.343	0.321	6.4	84	0.00
26	TP	Halothane	0.197	0.201	-2.0	87	0.00
27	TP	Acrylonitrile	0.044	0.045#	-2.3	90	0.00
28	TP	Ethyl tert-butyl ether	0.524	0.494	5.7	87	0.00
29	TP	Vinyl acetate	0.390	0.317	18.7	75	0.00
30	TP	cis-1,2-Dichloroethene	0.268	0.235	12.3	78	0.00
31	TP	2,2-Dichloropropane	0.277	0.214	22.7#	69	0.00
32	TP	Bromochloromethane	0.131	0.132	-0.8	85	0.00
33	TP	Cyclohexane	0.310	0.341	-10.0	97	0.00
34	TC	Chloroform	0.385	0.367	4.7	85	0.00
35	TP	Ethyl acetate	0.141	0.129	8.5	83	0.00
36	TP	Carbon tetrachloride	0.354	0.339	4.2	82	0.00
37	TP	Tetrahydrofuran	0.046	0.046#	0.0	88	0.00
38	S	Dibromofluoromethane	0.288	0.281	2.4	89	0.00
39	TP	1,1,1-Trichloroethane	0.374	0.360	3.7	84	0.00
41	TP	2-Butanone	0.058	0.055#	5.2	87	0.00
42	TP	1,1-Dichloropropene	0.275	0.263	4.4	83	0.00
44	TP	Benzene	0.826	0.782	5.3	84	0.00
45	TP	tert-Amyl methyl ether	0.527	0.507	3.8	93	0.00
46	S	1,2-Dichloroethane-d4	0.257	0.234	8.9	90	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2020\200827B\
Data File : V22200827B19.D
Acq On : 27 Aug 2020 07:39 pm
Operator : VOA122:AJK
Sample : C8260STD10PPB
Misc : WG1403797
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 27 20:08:14 2020
Quant Method : I:\VOLATILES\VOA122\2020\200827B\V122_200827B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 27 20:05:29 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	1,2-Dichloroethane	0.277	0.253	8.7	84	0.00
50	TP	Methyl cyclohexane	0.356	0.355	0.3	88	0.00
51	TP	Trichloroethene	0.256	0.231	9.8	84	0.00
53	TP	Dibromomethane	0.131	0.121	7.6	82	0.00
54	TC	1,2-Dichloropropane	0.192	0.178	7.3	84	0.00
56	TP	2-Chloroethyl vinyl ether	0.102	0.086	15.7	74	0.00
57	TP	Bromodichloromethane	0.290	0.266	8.3	83	0.00
60	TP	1,4-Dioxane	0.00161	0.00157#	2.5	88	0.00
61	TP	cis-1,3-Dichloropropene	0.335	0.283	15.5	79	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
63	S	Toluene-d8	1.253	1.266	-1.0	89	0.00
64	TC	Toluene	0.659	0.630	4.4	84	0.00
65	TP	4-Methyl-2-pentanone	0.058	0.053#	8.6	83	0.00
66	TP	Tetrachloroethene	0.373	0.357	4.3	80	0.00
68	TP	trans-1,3-Dichloropropene	0.342	0.285	16.7	77	0.00
70	TP	Ethyl methacrylate	0.227	0.223	1.8	90	0.00
71	TP	1,1,2-Trichloroethane	0.167	0.157	6.0	81	0.00
72	TP	Chlorodibromomethane	0.284	0.278	2.1	86	0.00
73	TP	1,3-Dichloropropane	0.320	0.301	5.9	82	0.00
74	TP	1,2-Dibromoethane	0.224	0.210	6.3	81	0.00
76	TP	2-Hexanone	0.099	0.089#	10.1	80	0.00
77	TP	Chlorobenzene	0.796	0.779	2.1	84	0.00
78	TC	Ethylbenzene	1.244	1.234	0.8	86	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.305	0.284	6.9	81	0.00
80	TP	p/m Xylene	0.540	0.523	3.1	85	0.00
81	TP	o Xylene	0.490	0.492	-0.4	88	0.00
82	TP	Styrene	0.805	0.814	-1.1	87	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
84	TP	Bromoform	0.353	0.306	13.3	78	0.00
86	TP	Isopropylbenzene	1.375	1.332	3.1	83	0.00
87	S	4-Bromofluorobenzene	0.766	0.776	-1.3	90	0.00
88	TP	Bromobenzene	0.653	0.639	2.1	83	0.00
89	TP	n-Propylbenzene	2.570	2.564	0.2	83	0.00
90	TP	1,4-Dichlorobutane	0.487	0.502	-3.1	95	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.423	0.412	2.6	85	0.00
92	TP	4-Ethyltoluene	2.202	2.297	-4.3	87	0.00
93	TP	2-Chlorotoluene	1.556	1.505	3.3	85	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA110\2020\200827N\
Data File : V10200827N17.D
Acq On : 28 Aug 2020 12:17 am
Operator : VOA110:JC
Sample : C8260STD40PPB
Misc : WG1404033,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 28 09:15:47 2020
Quant Method : I:\VOLATILES\VOA110\2020\200827N\V110_200827N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Aug 28 09:10:59 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.328	0.321	2.1	102	0.00
47	TP	Methyl cyclohexane	0.393	0.434	-10.4	115	0.00
48	TP	Trichloroethene	0.260	0.269	-3.5	108	0.00
50	TP	Dibromomethane	0.163	0.164	-0.6	104	0.00
51	TC	1,2-Dichloropropane	0.233	0.231	0.9	104	0.00
53	TP	2-Chloroethyl vinyl ether	0.140	0.137	2.1	96	0.00
54	TP	Bromodichloromethane	0.344	0.343	0.3	104	0.00
57	TP	1,4-Dioxane	0.00360	0.00356#	1.1	93	0.00
58	TP	cis-1,3-Dichloropropene	0.388	0.405	-4.4	103	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
60	S	Toluene-d8	1.193	1.194	-0.1	103	0.00
61	TC	Toluene	0.774	0.799	-3.2	106	0.00
62	TP	4-Methyl-2-pentanone	0.118	0.114	3.4	95	0.00
63	TP	Tetrachloroethene	0.345	0.354	-2.6	108	0.00
65	TP	trans-1,3-Dichloropropene	0.423	0.443	-4.7	105	0.00
67	TP	Ethyl methacrylate	0.357	0.371	-3.9	102	0.00
68	TP	1,1,2-Trichloroethane	0.226	0.222	1.8	102	0.00
69	TP	Chlorodibromomethane	0.332	0.347	-4.5	107	0.00
70	TP	1,3-Dichloropropane	0.451	0.458	-1.6	105	0.00
71	TP	1,2-Dibromoethane	0.288	0.294	-2.1	104	0.00
72	TP	2-Hexanone	0.243	0.238	2.1	96	0.00
73	TP	Chlorobenzene	0.956	0.971	-1.6	107	0.00
74	TC	Ethylbenzene	1.446	1.535	-6.2	109	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.335	0.345	-3.0	106	0.00
76	TP	p/m Xylene	0.598	0.639	-6.9	108	0.00
77	TP	o Xylene	0.561	0.617	-10.0	110	0.00
78	TP	Styrene	* 80.000	81.449	-1.8	109	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
80	TP	Bromoform	0.396	0.411	-3.8	107	0.00
82	TP	Isopropylbenzene	2.649	2.777	-4.8	108	0.00
83	S	4-Bromofluorobenzene	0.758	0.736	2.9	104	0.00
84	TP	Bromobenzene	0.732	0.737	-0.7	106	0.00
85	TP	n-Propylbenzene	3.023	3.102	-2.6	107	0.00
86	TP	1,4-Dichlorobutane	0.792	0.800	-1.0	107	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.673	0.655	2.7	101	0.00
88	TP	4-Ethyltoluene	2.628	2.711	-3.2	105	0.00
89	TP	2-Chlorotoluene	1.766	1.789	-1.3	106	0.00

Calibration Verification Summary
Form 7
Volatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2035276	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: VOA110		**Calibration Date**	: 09/01/20 08:33	
Lab File ID	: V10200901B01		**Init. Calib. Date(s)**	: 08/27/20	08/27/20
Sample No	: WG1405304-2		**Init. Calib. Times**	: 17:48	21:35
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	97	0
Dichlorodifluoromethane	0.296	0.219	-	26*	20	76	0
Chloromethane	0.271	0.25	-	7.7	20	95	0
Vinyl chloride	0.278	0.237	-	14.7	20	85	0
Bromomethane	40	34.481	-	13.8	20	90	.01
Chloroethane	0.241	0.185	-	23.2*	20	76	0
Trichlorofluoromethane	0.523	0.389	-	25.6*	20	77	.01
Ethyl ether	0.203	0.151	-	25.6*	20	73	0
1,1-Dichloroethene	0.318	0.248	-	22*	20	79	0
Carbon disulfide	0.82	0.584	-	28.8*	20	76	.01
Freon-113	0.302	0.227	-	24.8*	20	75	0
Acrolein	0.04	0.027*	-	32.5*	20	67	0
Methylene chloride	0.262	0.269	-	-2.7	20	96	0
Acetone	40	45.136	-	-12.8	20	105	0
trans-1,2-Dichloroethene	0.252	0.28	-	-11.1	20	113	0
Methyl acetate	0.216	0.229	-	-6	20	105	0
Methyl tert-butyl ether	0.689	0.755	-	-9.6	20	105	0
tert-Butyl alcohol	0.038	0.042*	-	-10.5	20	102	-.01
Diisopropyl ether	0.758	0.895	-	-18.1	20	113	0
1,1-Dichloroethane	0.393	0.429	-	-9.2	20	108	0
Halothane	0.202	0.216	-	-6.9	20	108	0
Acrylonitrile	0.093	0.096	-	-3.2	20	100	0
Ethyl tert-butyl ether	0.674	0.642	-	4.7	20	90	0
Vinyl acetate	0.604	0.631	-	-4.5	20	100	0
cis-1,2-Dichloroethene	0.287	0.277	-	3.5	20	97	0
2,2-Dichloropropane	0.342	0.359	-	-5	20	105	0
Bromochloromethane	0.139	0.139	-	0	20	96	0
Cyclohexane	0.354	0.343	-	3.1	20	97	0
Chloroform	0.43	0.416	-	3.3	20	97	0
Ethyl acetate	0.311	0.295	-	5.1	20	91	0
Carbon tetrachloride	0.325	0.337	-	-3.7	20	100	0
Tetrahydrofuran	0.097	0.092	-	5.2	20	90	0
Dibromofluoromethane	0.258	0.257	-	0.4	20	99	0
1,1,1-Trichloroethane	0.382	0.384	-	-0.5	20	102	0
2-Butanone	0.144	0.135	-	6.2	20	91	0
1,1-Dichloropropene	0.31	0.317	-	-2.3	20	103	0
Benzene	0.99	1	-	-1	20	99	0
tert-Amyl methyl ether	0.659	0.669	-	-1.5	20	93	0
1,2-Dichloroethane-d4	0.251	0.244	-	2.8	20	97	0
1,2-Dichloroethane	0.328	0.314	-	4.3	20	95	0
Methyl cyclohexane	0.393	0.383	-	2.5	20	96	0
Trichloroethene	0.26	0.262	-	-0.8	20	99	0
Dibromomethane	0.163	0.16	-	1.8	20	96	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2035276	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: VOA110		**Calibration Date**	: 09/01/20 08:33	
Lab File ID	: V10200901B01		**Init. Calib. Date(s)**	: 08/27/20	08/27/20
Sample No	: WG1405304-2		**Init. Calib. Times**	: 17:48	21:35
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.233	0.228	-	2.1	20	97	0
2-Chloroethyl vinyl ether	0.14	0.143	-	-2.1	20	95	0
Bromodichloromethane	0.344	0.345	-	-0.3	20	98	0
1,4-Dioxane	0.0036	0.00318*	-	11.7	20	78	0
cis-1,3-Dichloropropene	0.388	0.399	-	-2.8	20	96	0
Chlorobenzene-d5	1	1	-	0	20	101	0
Toluene-d8	1.193	1.173	-	1.7	20	98	0
Toluene	0.774	0.763	-	1.4	20	98	0
4-Methyl-2-pentanone	0.118	0.109	-	7.6	20	89	0
Tetrachloroethene	0.345	0.347	-	-0.6	20	103	0
trans-1,3-Dichloropropene	0.423	0.42	-	0.7	20	97	0
Ethyl methacrylate	0.357	0.349	-	2.2	20	93	0
1,1,2-Trichloroethane	0.226	0.216	-	4.4	20	96	0
Chlorodibromomethane	0.332	0.321	-	3.3	20	96	0
1,3-Dichloropropane	0.451	0.425	-	5.8	20	94	0
1,2-Dibromoethane	0.288	0.275	-	4.5	20	94	0
2-Hexanone	0.243	0.229	-	5.8	20	89	0
Chlorobenzene	0.956	0.916	-	4.2	20	98	0
Ethylbenzene	1.446	1.468	-	-1.5	20	101	0
1,1,1,2-Tetrachloroethane	0.335	0.324	-	3.3	20	96	0
p/m Xylene	0.598	0.621	-	-3.8	20	102	0
o Xylene	0.561	0.581	-	-3.6	20	100	0
Styrene	80	76.537	-	4.3	20	99	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	105	0
Bromoform	0.396	0.372	-	6.1	20	96	0
Isopropylbenzene	2.649	2.622	-	1	20	101	0
4-Bromofluorobenzene	0.758	0.733	-	3.3	20	103	0
Bromobenzene	0.732	0.686	-	6.3	20	98	0
n-Propylbenzene	3.023	3.024	-	-0	20	104	0
1,4-Dichlorobutane	0.792	0.728	-	8.1	20	96	0
1,1,2,2-Tetrachloroethane	0.673	0.626	-	7	20	96	0
4-Ethyltoluene	2.628	2.648	-	-0.8	20	102	0
2-Chlorotoluene	1.766	1.742	-	1.4	20	102	0
1,3,5-Trimethylbenzene	2.271	2.262	-	0.4	20	102	0
1,2,3-Trichloropropane	0.556	0.484	-	12.9	20	92	0
trans-1,4-Dichloro-2-buten	0.202	0.186	-	7.9	20	97	0
4-Chlorotoluene	1.812	1.809	-	0.2	20	102	0
tert-Butylbenzene	1.962	1.992	-	-1.5	20	102	0
1,2,4-Trimethylbenzene	2.192	2.237	-	-2.1	20	101	0
sec-Butylbenzene	2.915	2.959	-	-1.5	20	103	0
p-Isopropyltoluene	2.531	2.632	-	-4	20	103	0
1,3-Dichlorobenzene	1.455	1.425	-	2.1	20	101	0
1,4-Dichlorobenzene	1.474	1.415	-	4	20	100	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: GZA GeoEnvironmental, Inc.		Lab Number	: L2035276	
Project Name	: 100 UNION AVE		Project Number	: 12.0076932.00	
Instrument ID	: VOA122		Calibration Date	: 09/01/20 08:34	
Lab File ID	: V22200901A02		Init. Calib. Date(s)	: 08/27/20	08/27/20
Sample No	: WG1405387-2		Init. Calib. Times	: 13:17	18:48
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.192	0.189	-	1.6	20	58	0
2-Chloroethyl vinyl ether	0.102	0.075	-	26.5*	20	42	0
Bromodichloromethane	0.29	0.287	-	1	20	58	0
1,4-Dioxane	0.00161	0.00187*	-	-16.1	20	68	0
cis-1,3-Dichloropropene	0.335	0.322	-	3.9	20	58	0
Chlorobenzene-d5	1	1	-	0	20	60	0
Toluene-d8	1.253	1.245	-	0.6	20	59	0
Toluene	0.659	0.638	-	3.2	20	57	0
4-Methyl-2-pentanone	0.058	0.053*	-	8.6	20	56	0
Tetrachloroethene	0.373	0.335	-	10.2	20	50	0
trans-1,3-Dichloropropene	0.342	0.32	-	6.4	20	58	0
Ethyl methacrylate	0.227	0.203	-	10.6	20	55	0
1,1,2-Trichloroethane	0.167	0.165	-	1.2	20	57	0
Chlorodibromomethane	0.284	0.275	-	3.2	20	57	0
1,3-Dichloropropane	0.32	0.315	-	1.6	20	58	0
1,2-Dibromoethane	0.224	0.221	-	1.3	20	57	0
2-Hexanone	0.099	0.095*	-	4	20	57	0
Chlorobenzene	0.796	0.785	-	1.4	20	57	0
Ethylbenzene	1.244	1.215	-	2.3	20	56	0
1,1,1,2-Tetrachloroethane	0.305	0.293	-	3.9	20	56	0
p/m Xylene	0.54	0.519	-	3.9	20	56	0
o Xylene	0.49	0.466	-	4.9	20	56	0
Styrene	0.805	0.791	-	1.7	20	57	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	59	0
Bromoform	0.353	0.314	-	11	20	54	0
Isopropylbenzene	1.375	1.339	-	2.6	20	56	0
4-Bromofluorobenzene	0.766	0.757	-	1.2	20	59	0
Bromobenzene	0.653	0.629	-	3.7	20	55	0
n-Propylbenzene	2.57	2.557	-	0.5	20	55	0
1,4-Dichlorobutane	0.487	0.473	-	2.9	20	60	0
1,1,2,2-Tetrachloroethane	0.423	0.424	-	-0.2	20	59	0
4-Ethyltoluene	2.202	2.21	-	-0.4	20	56	0
2-Chlorotoluene	1.556	1.716	-	-10.3	20	65	0
1,3,5-Trimethylbenzene	1.972	1.919	-	2.7	20	56	0
1,2,3-Trichloropropane	0.336	0.325	-	3.3	20	58	0
trans-1,4-Dichloro-2-buten	0.1	0.097	-	3	20	58	0
4-Chlorotoluene	1.585	1.583	-	0.1	20	58	0
tert-Butylbenzene	1.757	1.672	-	4.8	20	54	0
1,2,4-Trimethylbenzene	1.925	1.926	-	-0.1	20	57	0
sec-Butylbenzene	2.212	2.193	-	0.9	20	55	0
p-Isopropyltoluene	2.345	2.288	-	2.4	20	54	0
1,3-Dichlorobenzene	1.256	1.246	-	0.8	20	57	0
1,4-Dichlorobenzene	1.269	1.264	-	0.4	20	57	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2035276	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: VOA110		**Calibration Date**	: 09/02/20 05:57	
Lab File ID	: V10200902A01		**Init. Calib. Date(s)**	: 08/27/20	08/27/20
Sample No	: WG1405578-2		**Init. Calib. Times**	: 17:48	21:35
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.233	0.235	-	-0.9	20	94	0
2-Chloroethyl vinyl ether	0.14	0.152	-	-8.6	20	94	0
Bromodichloromethane	0.344	0.352	-	-2.3	20	94	0
1,4-Dioxane	0.0036	0.00371*	-	-3.1	20	85	0
cis-1,3-Dichloropropene	0.388	0.418	-	-7.7	20	94	0
Chlorobenzene-d5	1	1	-	0	20	95	0
Toluene-d8	1.193	1.154	-	3.3	20	91	0
Toluene	0.774	0.77	-	0.5	20	93	0
4-Methyl-2-pentanone	0.118	0.124	-	-5.1	20	94	0
Tetrachloroethene	0.345	0.348	-	-0.9	20	97	0
trans-1,3-Dichloropropene	0.423	0.435	-	-2.8	20	94	0
Ethyl methacrylate	0.357	0.376	-	-5.3	20	94	0
1,1,2-Trichloroethane	0.226	0.226	-	0	20	95	0
Chlorodibromomethane	0.332	0.331	-	0.3	20	93	0
1,3-Dichloropropane	0.451	0.445	-	1.3	20	93	0
1,2-Dibromoethane	0.288	0.289	-	-0.3	20	93	0
2-Hexanone	0.243	0.266	-	-9.5	20	97	0
Chlorobenzene	0.956	0.923	-	3.5	20	93	0
Ethylbenzene	1.446	1.5	-	-3.7	20	97	0
1,1,1,2-Tetrachloroethane	0.335	0.333	-	0.6	20	93	0
p/m Xylene	0.598	0.627	-	-4.8	20	96	0
o Xylene	0.561	0.582	-	-3.7	20	94	0
Styrene	80	78.492	-	1.9	20	96	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	99	0
Bromoform	0.396	0.39	-	1.5	20	95	0
Isopropylbenzene	2.649	2.634	-	0.6	20	96	0
4-Bromofluorobenzene	0.758	0.754	-	0.5	20	100	0
Bromobenzene	0.732	0.706	-	3.6	20	95	0
n-Propylbenzene	3.023	3.089	-	-2.2	20	100	0
1,4-Dichlorobutane	0.792	0.78	-	1.5	20	98	0
1,1,2,2-Tetrachloroethane	0.673	0.682	-	-1.3	20	99	0
4-Ethyltoluene	2.628	2.669	-	-1.6	20	97	0
2-Chlorotoluene	1.766	1.783	-	-1	20	99	0
1,3,5-Trimethylbenzene	2.271	2.288	-	-0.7	20	98	0
1,2,3-Trichloropropane	0.556	0.543	-	2.3	20	97	0
trans-1,4-Dichloro-2-buten	0.202	0.204	-	-1	20	100	0
4-Chlorotoluene	1.812	1.838	-	-1.4	20	98	0
tert-Butylbenzene	1.962	2.003	-	-2.1	20	97	0
1,2,4-Trimethylbenzene	2.192	2.265	-	-3.3	20	96	0
sec-Butylbenzene	2.915	3.007	-	-3.2	20	99	0
p-Isopropyltoluene	2.531	2.65	-	-4.7	20	98	0
1,3-Dichlorobenzene	1.455	1.451	-	0.3	20	97	0
1,4-Dichlorobenzene	1.474	1.455	-	1.3	20	97	0

* Value outside of QC limits.

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: GZA GeoEnvironmental, Inc.
Project Name: 100 UNION AVE

Lab Number: L2035276
Project Number: 12.0076932.00
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
SP-7 (0-2') (L2035276-01D)	22*	37	50	51	10	37	1
SP-7 (8-8.5') (L2035276-02)	3*	20	66	48	0*	37	2
SP-7 (8-8.5') (L2035276-02RE)	7*	40	76	73	0*	66	2
SP-8 (0-2') (L2035276-03)	50	64	72	70	49	56	0
SP-8 (7-7.5') (L2035276-04)	55	71	98	79	41	54	0
SP-8 (9-9.5') (L2035276-05)	63	64	68	55	64	42	0
SP-9 (0-2') (L2035276-06)	55	58	81	59	46	44	0
SP-9 (6.5-7.0') (L2035276-07)	66	69	76	76	82	61	0
MW-2A (0-2') (L2035276-08)	32	34	76	64	53	48	0
SP-10 (0-2') (L2035276-09)	50	54	80	64	40	46	0
SP-10 (7.5-8') (L2035276-10)	37	58	75	64	23	52	0
SP-10 (9.5-10') (L2035276-11)	60	61	65	65	65	53	0
20200826DUP (L2035276-12)	63	64	72	71	69	68	0
WG1404519-1BLANK	71	74	88	72	57	68	0
WG1404519-2LCS	78	82	99	79	72	69	0
WG1404519-3LCSD	79	81	100	78	64	67	0
WG1405442-1BLANK	82	82	93	86	71	79	0
WG1405442-2LCS	77	75	86	82	71	76	0
WG1405442-3LCSD	78	84	93	86	83	83	0

QC LIMITS

(25-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(30-120) FBP = 2-FLUOROBIPHENYL
(10-136) TBP = 2,4,6-TRIBROMOPHENOL
(18-120) TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-01D	Date Collected	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/02/20 10:13
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 2
Lab File ID	: 276-01D1	Analyst	: IM
Sample Amount	: 30.2 g	Instrument ID	: SV103
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 87
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	300	39.	U
120-82-1	1,2,4-Trichlorobenzene	ND	380	43.	U
118-74-1	Hexachlorobenzene	ND	230	42.	U
111-44-4	Bis(2-chloroethyl)ether	ND	340	52.	U
91-58-7	2-Chloronaphthalene	ND	380	38.	U
95-50-1	1,2-Dichlorobenzene	ND	380	68.	U
541-73-1	1,3-Dichlorobenzene	ND	380	65.	U
106-46-7	1,4-Dichlorobenzene	ND	380	66.	U
91-94-1	3,3'-Dichlorobenzidine	ND	380	100	U
121-14-2	2,4-Dinitrotoluene	ND	380	76.	U
606-20-2	2,6-Dinitrotoluene	ND	380	65.	U
206-44-0	Fluoranthene	440	230	44.	
7005-72-3	4-Chlorophenyl phenyl ether	ND	380	41.	U
101-55-3	4-Bromophenyl phenyl ether	ND	380	58.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	460	65.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	410	38.	U
87-68-3	Hexachlorobutadiene	ND	380	56.	U
77-47-4	Hexachlorocyclopentadiene	ND	1100	340	U
67-72-1	Hexachloroethane	ND	300	62.	U
78-59-1	Isophorone	ND	340	49.	U
91-20-3	Naphthalene	ND	380	46.	U
98-95-3	Nitrobenzene	ND	340	56.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-01D	Date Collected	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/02/20 10:13
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 2
Lab File ID	: 276-01D1	Analyst	: IM
Sample Amount	: 30.2 g	Instrument ID	: SV103
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 87
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	300	43.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	380	59.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	380	130	U
85-68-7	Butyl benzyl phthalate	9700	380	96.	
84-74-2	Di-n-butylphthalate	ND	380	72.	U
117-84-0	Di-n-octylphthalate	ND	380	130	U
84-66-2	Diethyl phthalate	ND	380	35.	U
131-11-3	Dimethyl phthalate	ND	380	80.	U
56-55-3	Benzo(a)anthracene	220	230	43.	J
50-32-8	Benzo(a)pyrene	190	300	93.	J
205-99-2	Benzo(b)fluoranthene	240	230	64.	
207-08-9	Benzo(k)fluoranthene	120	230	61.	J
218-01-9	Chrysene	200	230	40.	J
208-96-8	Acenaphthylene	ND	300	59.	U
120-12-7	Anthracene	ND	230	74.	U
191-24-2	Benzo(ghi)perylene	120	300	45.	J
86-73-7	Fluorene	ND	380	37.	U
85-01-8	Phenanthrene	330	230	46.	
53-70-3	Dibenzo(a,h)anthracene	ND	230	44.	U
193-39-5	Indeno(1,2,3-cd)pyrene	120	300	53.	J
129-00-0	Pyrene	400	230	38.	
92-52-4	Biphenyl	ND	870	88.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-01D	Date Collected	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/02/20 10:13
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 2
Lab File ID	: 276-01D1	Analyst	: IM
Sample Amount	: 30.2 g	Instrument ID	: SV103
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 87
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-47-8	4-Chloroaniline	ND	380	69.	U
88-74-4	2-Nitroaniline	ND	380	73.	U
99-09-2	3-Nitroaniline	ND	380	72.	U
100-01-6	4-Nitroaniline	ND	380	160	U
132-64-9	Dibenzofuran	ND	380	36.	U
91-57-6	2-Methylnaphthalene	ND	460	46.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	380	40.	U
98-86-2	Acetophenone	ND	380	47.	U
88-06-2	2,4,6-Trichlorophenol	ND	230	72.	U
59-50-7	p-Chloro-m-cresol	ND	380	57.	U
95-57-8	2-Chlorophenol	ND	380	45.	U
120-83-2	2,4-Dichlorophenol	ND	340	61.	U
105-67-9	2,4-Dimethylphenol	ND	380	120	U
88-75-5	2-Nitrophenol	ND	820	140	U
100-02-7	4-Nitrophenol	ND	530	160	U
51-28-5	2,4-Dinitrophenol	ND	1800	180	U
534-52-1	4,6-Dinitro-o-cresol	ND	990	180	U
87-86-5	Pentachlorophenol	ND	300	84.	U
108-95-2	Phenol	ND	380	57.	U
95-48-7	2-Methylphenol	ND	380	59.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	550	60.	U
95-95-4	2,4,5-Trichlorophenol	ND	380	73.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-01D	**Date Collected**	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 10:13
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 2
Lab File ID	: 276-01D1	**Analyst**	: IM
Sample Amount	: 30.2 g	**Instrument ID**	: SV103
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 87
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	1200	380	U
100-51-6	Benzyl Alcohol	ND	380	120	U
86-74-8	Carbazole	ND	380	37.	U
123-91-1	1,4-Dioxane	ND	57	17.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 18:22
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-02	**Analyst**	: JRW
Sample Amount	: 30.5 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 84
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	21	160	20.	J
120-82-1	1,2,4-Trichlorobenzene	ND	200	22.	U
118-74-1	Hexachlorobenzene	ND	120	22.	U
111-44-4	Bis(2-chloroethyl)ether	ND	180	26.	U
91-58-7	2-Chloronaphthalene	ND	200	19.	U
95-50-1	1,2-Dichlorobenzene	ND	200	35.	U
541-73-1	1,3-Dichlorobenzene	ND	200	34.	U
106-46-7	1,4-Dichlorobenzene	ND	200	34.	U
91-94-1	3,3'-Dichlorobenzidine	ND	200	52.	U
121-14-2	2,4-Dinitrotoluene	ND	200	39.	U
606-20-2	2,6-Dinitrotoluene	ND	200	34.	U
206-44-0	Fluoranthene	190	120	22.	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	21.	U
101-55-3	4-Bromophenyl phenyl ether	ND	200	30.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	230	33.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	210	20.	U
87-68-3	Hexachlorobutadiene	ND	200	29.	U
77-47-4	Hexachlorocyclopentadiene	ND	560	180	U
67-72-1	Hexachloroethane	ND	160	32.	U
78-59-1	Isophorone	ND	180	25.	U
91-20-3	Naphthalene	ND	200	24.	U
98-95-3	Nitrobenzene	ND	180	29.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 18:22
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-02	**Analyst**	: JRW
Sample Amount	: 30.5 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 84
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
86-30-6	NDPA/DPA	ND	160	22.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	200	30.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	200	68.	U
85-68-7	Butyl benzyl phthalate	ND	200	49.	U
84-74-2	Di-n-butylphthalate	ND	200	37.	U
117-84-0	Di-n-octylphthalate	ND	200	66.	U
84-66-2	Diethyl phthalate	ND	200	18.	U
131-11-3	Dimethyl phthalate	ND	200	41.	U
56-55-3	Benzo(a)anthracene	100	120	22.	J
50-32-8	Benzo(a)pyrene	100	160	48.	J
205-99-2	Benzo(b)fluoranthene	120	120	33.	
207-08-9	Benzo(k)fluoranthene	31	120	31.	J
218-01-9	Chrysene	89	120	20.	J
208-96-8	Acenaphthylene	ND	160	30.	U
120-12-7	Anthracene	42	120	38.	J
191-24-2	Benzo(ghi)perylene	65	160	23.	J
86-73-7	Fluorene	21	200	19.	J
85-01-8	Phenanthrene	160	120	24.	
53-70-3	Dibenzo(a,h)anthracene	ND	120	22.	U
193-39-5	Indeno(1,2,3-cd)pyrene	65	160	27.	J
129-00-0	Pyrene	170	120	19.	
92-52-4	Biphenyl	ND	440	45.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 18:22
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-02	**Analyst**	: JRW
Sample Amount	: 30.5 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 84
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-47-8	4-Chloroaniline	ND	200	36.	U
88-74-4	2-Nitroaniline	ND	200	38.	U
99-09-2	3-Nitroaniline	ND	200	37.	U
100-01-6	4-Nitroaniline	ND	200	81.	U
132-64-9	Dibenzofuran	ND	200	18.	U
91-57-6	2-Methylnaphthalene	ND	230	24.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	20.	U
98-86-2	Acetophenone	ND	200	24.	U
88-06-2	2,4,6-Trichlorophenol	ND	120	37.	U
59-50-7	p-Chloro-m-cresol	ND	200	29.	U
95-57-8	2-Chlorophenol	ND	200	23.	U
120-83-2	2,4-Dichlorophenol	ND	180	31.	U
105-67-9	2,4-Dimethylphenol	ND	200	64.	U
88-75-5	2-Nitrophenol	ND	420	73.	U
100-02-7	4-Nitrophenol	ND	270	80.	U
51-28-5	2,4-Dinitrophenol	ND	940	91.	U
534-52-1	4,6-Dinitro-o-cresol	ND	510	94.	U
87-86-5	Pentachlorophenol	ND	160	43.	U
108-95-2	Phenol	ND	200	30.	U
95-48-7	2-Methylphenol	ND	200	30.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	90	280	30.	J
95-95-4	2,4,5-Trichlorophenol	ND	200	37.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 18:22
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-02	**Analyst**	: JRW
Sample Amount	: 30.5 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 84
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	630	200	U
100-51-6	Benzyl Alcohol	ND	200	60.	U
86-74-8	Carbazole	19	200	19.	J
123-91-1	1,4-Dioxane	ND	29	9.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02RE	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 17:04
Sample Matrix	: SOIL	**Date Extracted**	: 09/01/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-02	**Analyst**	: IM
Sample Amount	: 30.77 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 84
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	23	150	20.	J
120-82-1	1,2,4-Trichlorobenzene	ND	190	22.	U
118-74-1	Hexachlorobenzene	ND	120	22.	U
111-44-4	Bis(2-chloroethyl)ether	ND	170	26.	U
91-58-7	2-Chloronaphthalene	ND	190	19.	U
95-50-1	1,2-Dichlorobenzene	ND	190	35.	U
541-73-1	1,3-Dichlorobenzene	ND	190	33.	U
106-46-7	1,4-Dichlorobenzene	ND	190	34.	U
91-94-1	3,3'-Dichlorobenzidine	ND	190	52.	U
121-14-2	2,4-Dinitrotoluene	ND	190	39.	U
606-20-2	2,6-Dinitrotoluene	ND	190	33.	U
206-44-0	Fluoranthene	230	120	22.	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	21.	U
101-55-3	4-Bromophenyl phenyl ether	ND	190	30.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	230	33.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	210	19.	U
87-68-3	Hexachlorobutadiene	ND	190	28.	U
77-47-4	Hexachlorocyclopentadiene	ND	550	180	U
67-72-1	Hexachloroethane	ND	150	31.	U
78-59-1	Isophorone	ND	170	25.	U
91-20-3	Naphthalene	ND	190	24.	U
98-95-3	Nitrobenzene	ND	170	29.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-02RE	Date Collected	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/02/20 17:04
Sample Matrix	: SOIL	Date Extracted	: 09/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 35276-02	Analyst	: IM
Sample Amount	: 30.77 g	Instrument ID	: SV112
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	150	22.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	190	30.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	190	67.	U
85-68-7	Butyl benzyl phthalate	ND	190	49.	U
84-74-2	Di-n-butylphthalate	ND	190	37.	U
117-84-0	Di-n-octylphthalate	ND	190	66.	U
84-66-2	Diethyl phthalate	ND	190	18.	U
131-11-3	Dimethyl phthalate	ND	190	41.	U
56-55-3	Benzo(a)anthracene	130	120	22.	
50-32-8	Benzo(a)pyrene	130	150	47.	J
205-99-2	Benzo(b)fluoranthene	150	120	33.	
207-08-9	Benzo(k)fluoranthene	45	120	31.	J
218-01-9	Chrysene	120	120	20.	
208-96-8	Acenaphthylene	ND	150	30.	U
120-12-7	Anthracene	52	120	38.	J
191-24-2	Benzo(ghi)perylene	74	150	23.	J
86-73-7	Fluorene	28	190	19.	J
85-01-8	Phenanthrene	180	120	24.	
53-70-3	Dibenzo(a,h)anthracene	ND	120	22.	U
193-39-5	Indeno(1,2,3-cd)pyrene	69	150	27.	J
129-00-0	Pyrene	210	120	19.	
92-52-4	Biphenyl	ND	440	45.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-02RE	Date Collected	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/02/20 17:04
Sample Matrix	: SOIL	Date Extracted	: 09/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 35276-02	Analyst	: IM
Sample Amount	: 30.77 g	Instrument ID	: SV112
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-47-8	4-Chloroaniline	ND	190	35.	U
88-74-4	2-Nitroaniline	ND	190	37.	U
99-09-2	3-Nitroaniline	ND	190	36.	U
100-01-6	4-Nitroaniline	ND	190	80.	U
132-64-9	Dibenzofuran	18	190	18.	J
91-57-6	2-Methylnaphthalene	ND	230	23.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	20.	U
98-86-2	Acetophenone	ND	190	24.	U
88-06-2	2,4,6-Trichlorophenol	ND	120	37.	U
59-50-7	p-Chloro-m-cresol	ND	190	29.	U
95-57-8	2-Chlorophenol	ND	190	23.	U
120-83-2	2,4-Dichlorophenol	ND	170	31.	U
105-67-9	2,4-Dimethylphenol	ND	190	64.	U
88-75-5	2-Nitrophenol	ND	420	73.	U
100-02-7	4-Nitrophenol	ND	270	79.	U
51-28-5	2,4-Dinitrophenol	ND	930	90.	U
534-52-1	4,6-Dinitro-o-cresol	ND	500	93.	U
87-86-5	Pentachlorophenol	ND	150	43.	U
108-95-2	Phenol	ND	190	29.	U
95-48-7	2-Methylphenol	ND	190	30.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	190	280	30.	J
95-95-4	2,4,5-Trichlorophenol	ND	190	37.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02RE	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 17:04
Sample Matrix	: SOIL	**Date Extracted**	: 09/01/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-02	**Analyst**	: IM
Sample Amount	: 30.77 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 84
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	630	200	U
100-51-6	Benzyl Alcohol	ND	190	59.	U
86-74-8	Carbazole	25	190	19.	J
123-91-1	1,4-Dioxane	ND	29	8.9	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-03	**Date Collected**	: 08/26/20 10:20
Client ID	: SP-8 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 19:15
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-03	**Analyst**	: IM
Sample Amount	: 30.65 g	**Instrument ID**	: GCMS5
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 94
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	23	140	18.	J
120-82-1	1,2,4-Trichlorobenzene	ND	170	20.	U
118-74-1	Hexachlorobenzene	ND	100	19.	U
111-44-4	Bis(2-chloroethyl)ether	ND	160	23.	U
91-58-7	2-Chloronaphthalene	ND	170	17.	U
95-50-1	1,2-Dichlorobenzene	ND	170	31.	U
541-73-1	1,3-Dichlorobenzene	ND	170	30.	U
106-46-7	1,4-Dichlorobenzene	ND	170	30.	U
91-94-1	3,3'-Dichlorobenzidine	ND	170	46.	U
121-14-2	2,4-Dinitrotoluene	ND	170	34.	U
606-20-2	2,6-Dinitrotoluene	ND	170	30.	U
206-44-0	Fluoranthene	280	100	20.	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	18.	U
101-55-3	4-Bromophenyl phenyl ether	ND	170	26.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	210	30.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	190	17.	U
87-68-3	Hexachlorobutadiene	ND	170	25.	U
77-47-4	Hexachlorocyclopentadiene	ND	490	160	U
67-72-1	Hexachloroethane	ND	140	28.	U
78-59-1	Isophorone	ND	160	22.	U
91-20-3	Naphthalene	ND	170	21.	U
98-95-3	Nitrobenzene	ND	160	26.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-03	Date Collected	: 08/26/20 10:20
Client ID	: SP-8 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 08/31/20 19:15
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 35276-03	Analyst	: IM
Sample Amount	: 30.65 g	Instrument ID	: GCMS5
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 94
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	140	20.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	170	27.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	170	60.	U
85-68-7	Butyl benzyl phthalate	ND	170	44.	U
84-74-2	Di-n-butylphthalate	ND	170	33.	U
117-84-0	Di-n-octylphthalate	ND	170	59.	U
84-66-2	Diethyl phthalate	ND	170	16.	U
131-11-3	Dimethyl phthalate	ND	170	36.	U
56-55-3	Benzo(a)anthracene	130	100	19.	
50-32-8	Benzo(a)pyrene	110	140	42.	J
205-99-2	Benzo(b)fluoranthene	140	100	29.	
207-08-9	Benzo(k)fluoranthene	53	100	28.	J
218-01-9	Chrysene	120	100	18.	
208-96-8	Acenaphthylene	ND	140	27.	U
120-12-7	Anthracene	44	100	34.	J
191-24-2	Benzo(ghi)perylene	78	140	20.	J
86-73-7	Fluorene	18	170	17.	J
85-01-8	Phenanthrene	220	100	21.	
53-70-3	Dibenzo(a,h)anthracene	ND	100	20.	U
193-39-5	Indeno(1,2,3-cd)pyrene	67	140	24.	J
129-00-0	Pyrene	250	100	17.	
92-52-4	Biphenyl	ND	390	40.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-03	**Date Collected**	: 08/26/20 10:20
Client ID	: SP-8 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 19:15
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-03	**Analyst**	: IM
Sample Amount	: 30.65 g	**Instrument ID**	: GCMS5
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 94
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-47-8	4-Chloroaniline	ND	170	31.	U
88-74-4	2-Nitroaniline	ND	170	33.	U
99-09-2	3-Nitroaniline	ND	170	33.	U
100-01-6	4-Nitroaniline	ND	170	72.	U
132-64-9	Dibenzofuran	ND	170	16.	U
91-57-6	2-Methylnaphthalene	ND	210	21.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	18.	U
98-86-2	Acetophenone	ND	170	21.	U
88-06-2	2,4,6-Trichlorophenol	ND	100	33.	U
59-50-7	p-Chloro-m-cresol	ND	170	26.	U
95-57-8	2-Chlorophenol	ND	170	20.	U
120-83-2	2,4-Dichlorophenol	ND	160	28.	U
105-67-9	2,4-Dimethylphenol	ND	170	57.	U
88-75-5	2-Nitrophenol	ND	370	65.	U
100-02-7	4-Nitrophenol	ND	240	70.	U
51-28-5	2,4-Dinitrophenol	ND	830	81.	U
534-52-1	4,6-Dinitro-o-cresol	ND	450	83.	U
87-86-5	Pentachlorophenol	ND	140	38.	U
108-95-2	Phenol	ND	170	26.	U
95-48-7	2-Methylphenol	ND	170	27.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	250	27.	U
95-95-4	2,4,5-Trichlorophenol	ND	170	33.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-03	**Date Collected**	: 08/26/20 10:20
Client ID	: SP-8 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 19:15
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-03	**Analyst**	: IM
Sample Amount	: 30.65 g	**Instrument ID**	: GCMS5
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 94
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	560	180	U
100-51-6	Benzyl Alcohol	ND	170	53.	U
86-74-8	Carbazole	25	170	17.	J
123-91-1	1,4-Dioxane	ND	26	8.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-04	**Date Collected**	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 06:12
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-04	**Analyst**	: JG
Sample Amount	: 30.28 g	**Instrument ID**	: BUFFY
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 89
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	59	150	19.	J
120-82-1	1,2,4-Trichlorobenzene	ND	180	21.	U
118-74-1	Hexachlorobenzene	ND	110	21.	U
111-44-4	Bis(2-chloroethyl)ether	ND	170	25.	U
91-58-7	2-Chloronaphthalene	ND	180	18.	U
95-50-1	1,2-Dichlorobenzene	ND	180	33.	U
541-73-1	1,3-Dichlorobenzene	ND	180	32.	U
106-46-7	1,4-Dichlorobenzene	ND	180	32.	U
91-94-1	3,3'-Dichlorobenzidine	ND	180	49.	U
121-14-2	2,4-Dinitrotoluene	ND	180	37.	U
606-20-2	2,6-Dinitrotoluene	ND	180	32.	U
206-44-0	Fluoranthene	780	110	21.	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	20.	U
101-55-3	4-Bromophenyl phenyl ether	ND	180	28.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	220	32.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	200	18.	U
87-68-3	Hexachlorobutadiene	ND	180	27.	U
77-47-4	Hexachlorocyclopentadiene	ND	530	170	U
67-72-1	Hexachloroethane	ND	150	30.	U
78-59-1	Isophorone	ND	170	24.	U
91-20-3	Naphthalene	32	180	22.	J
98-95-3	Nitrobenzene	ND	170	27.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-04	Date Collected	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 06:12
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 35276-04	Analyst	: JG
Sample Amount	: 30.28 g	Instrument ID	: BUFFY
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 89
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	150	21.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	180	28.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	64.	U
85-68-7	Butyl benzyl phthalate	ND	180	47.	U
84-74-2	Di-n-butylphthalate	ND	180	35.	U
117-84-0	Di-n-octylphthalate	ND	180	63.	U
84-66-2	Diethyl phthalate	ND	180	17.	U
131-11-3	Dimethyl phthalate	ND	180	39.	U
56-55-3	Benzo(a)anthracene	380	110	21.	
50-32-8	Benzo(a)pyrene	300	150	45.	
205-99-2	Benzo(b)fluoranthene	430	110	31.	
207-08-9	Benzo(k)fluoranthene	110	110	30.	
218-01-9	Chrysene	320	110	19.	
208-96-8	Acenaphthylene	ND	150	28.	U
120-12-7	Anthracene	120	110	36.	
191-24-2	Benzo(ghi)perylene	160	150	22.	
86-73-7	Fluorene	51	180	18.	J
85-01-8	Phenanthrene	670	110	22.	
53-70-3	Dibenzo(a,h)anthracene	44	110	21.	J
193-39-5	Indeno(1,2,3-cd)pyrene	170	150	26.	
129-00-0	Pyrene	680	110	18.	
92-52-4	Biphenyl	ND	420	43.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-04	**Date Collected**	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 06:12
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-04	**Analyst**	: JG
Sample Amount	: 30.28 g	**Instrument ID**	: BUFFY
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 89
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-47-8	4-Chloroaniline	ND	180	34.	U
88-74-4	2-Nitroaniline	ND	180	36.	U
99-09-2	3-Nitroaniline	ND	180	35.	U
100-01-6	4-Nitroaniline	ND	180	77.	U
132-64-9	Dibenzofuran	31	180	18.	J
91-57-6	2-Methylnaphthalene	ND	220	22.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	19.	U
98-86-2	Acetophenone	ND	180	23.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	35.	U
59-50-7	p-Chloro-m-cresol	ND	180	28.	U
95-57-8	2-Chlorophenol	ND	180	22.	U
120-83-2	2,4-Dichlorophenol	ND	170	30.	U
105-67-9	2,4-Dimethylphenol	ND	180	61.	U
88-75-5	2-Nitrophenol	ND	400	70.	U
100-02-7	4-Nitrophenol	ND	260	76.	U
51-28-5	2,4-Dinitrophenol	ND	890	86.	U
534-52-1	4,6-Dinitro-o-cresol	ND	480	89.	U
87-86-5	Pentachlorophenol	ND	150	41.	U
108-95-2	Phenol	ND	180	28.	U
95-48-7	2-Methylphenol	ND	180	29.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	270	29.	U
95-95-4	2,4,5-Trichlorophenol	ND	180	35.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-04	**Date Collected**	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 06:12
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-04	**Analyst**	: JG
Sample Amount	: 30.28 g	**Instrument ID**	: BUFFY
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 89
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	600	190	U
100-51-6	Benzyl Alcohol	ND	180	57.	U
86-74-8	Carbazole	59	180	18.	J
123-91-1	1,4-Dioxane	ND	28	8.5	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-05	**Date Collected**	: 08/26/20 10:58
Client ID	: SP-8 (9-9.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 11:49
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-05	**Analyst**	: WR
Sample Amount	: 30.7 g	**Instrument ID**	: GCMS5
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 74
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	180	23.	U
120-82-1	1,2,4-Trichlorobenzene	ND	220	25.	U
118-74-1	Hexachlorobenzene	ND	130	25.	U
111-44-4	Bis(2-chloroethyl)ether	ND	200	30.	U
91-58-7	2-Chloronaphthalene	ND	220	22.	U
95-50-1	1,2-Dichlorobenzene	ND	220	39.	U
541-73-1	1,3-Dichlorobenzene	ND	220	38.	U
106-46-7	1,4-Dichlorobenzene	ND	220	38.	U
91-94-1	3,3'-Dichlorobenzidine	ND	220	58.	U
121-14-2	2,4-Dinitrotoluene	ND	220	44.	U
606-20-2	2,6-Dinitrotoluene	ND	220	38.	U
206-44-0	Fluoranthene	ND	130	25.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	220	24.	U
101-55-3	4-Bromophenyl phenyl ether	ND	220	34.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	260	38.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	240	22.	U
87-68-3	Hexachlorobutadiene	ND	220	32.	U
77-47-4	Hexachlorocyclopentadiene	ND	630	200	U
67-72-1	Hexachloroethane	ND	180	36.	U
78-59-1	Isophorone	ND	200	28.	U
91-20-3	Naphthalene	ND	220	27.	U
98-95-3	Nitrobenzene	ND	200	32.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-05	**Date Collected**	: 08/26/20 10:58
Client ID	: SP-8 (9-9.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 11:49
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-05	**Analyst**	: WR
Sample Amount	: 30.7 g	**Instrument ID**	: GCMS5
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 74
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
86-30-6	NDPA/DPA	ND	180	25.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	220	34.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	220	76.	U
85-68-7	Butyl benzyl phthalate	ND	220	55.	U
84-74-2	Di-n-butylphthalate	ND	220	42.	U
117-84-0	Di-n-octylphthalate	ND	220	75.	U
84-66-2	Diethyl phthalate	ND	220	20.	U
131-11-3	Dimethyl phthalate	ND	220	46.	U
56-55-3	Benzo(a)anthracene	ND	130	25.	U
50-32-8	Benzo(a)pyrene	ND	180	54.	U
205-99-2	Benzo(b)fluoranthene	ND	130	37.	U
207-08-9	Benzo(k)fluoranthene	ND	130	35.	U
218-01-9	Chrysene	ND	130	23.	U
208-96-8	Acenaphthylene	ND	180	34.	U
120-12-7	Anthracene	ND	130	43.	U
191-24-2	Benzo(ghi)perylene	ND	180	26.	U
86-73-7	Fluorene	ND	220	21.	U
85-01-8	Phenanthrene	ND	130	27.	U
53-70-3	Dibenzo(a,h)anthracene	ND	130	25.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	180	31.	U
129-00-0	Pyrene	ND	130	22.	U
92-52-4	Biphenyl	ND	500	51.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-05	**Date Collected**	: 08/26/20 10:58
Client ID	: SP-8 (9-9.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 11:49
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-05	**Analyst**	: WR
Sample Amount	: 30.7 g	**Instrument ID**	: GCMS5
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 74
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-47-8	4-Chloroaniline	ND	220	40.	U
88-74-4	2-Nitroaniline	ND	220	42.	U
99-09-2	3-Nitroaniline	ND	220	41.	U
100-01-6	4-Nitroaniline	ND	220	91.	U
132-64-9	Dibenzofuran	ND	220	21.	U
91-57-6	2-Methylnaphthalene	ND	260	26.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	220	23.	U
98-86-2	Acetophenone	ND	220	27.	U
88-06-2	2,4,6-Trichlorophenol	ND	130	42.	U
59-50-7	p-Chloro-m-cresol	ND	220	33.	U
95-57-8	2-Chlorophenol	ND	220	26.	U
120-83-2	2,4-Dichlorophenol	ND	200	35.	U
105-67-9	2,4-Dimethylphenol	ND	220	72.	U
88-75-5	2-Nitrophenol	ND	470	83.	U
100-02-7	4-Nitrophenol	ND	310	90.	U
51-28-5	2,4-Dinitrophenol	ND	1000	100	U
534-52-1	4,6-Dinitro-o-cresol	ND	570	100	U
87-86-5	Pentachlorophenol	ND	180	48.	U
108-95-2	Phenol	ND	220	33.	U
95-48-7	2-Methylphenol	ND	220	34.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	130	320	34.	J
95-95-4	2,4,5-Trichlorophenol	ND	220	42.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-05	**Date Collected**	: 08/26/20 10:58
Client ID	: SP-8 (9-9.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 11:49
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-05	**Analyst**	: WR
Sample Amount	: 30.7 g	**Instrument ID**	: GCMS5
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 74
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	710	220	U
100-51-6	Benzyl Alcohol	ND	220	67.	U
86-74-8	Carbazole	ND	220	21.	U
123-91-1	1,4-Dioxane	ND	33	10.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-06	Date Collected	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 08/31/20 21:46
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 35276-06	Analyst	: JRW
Sample Amount	: 30.35 g	Instrument ID	: SV112
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 94
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	120	140	18.	J
120-82-1	1,2,4-Trichlorobenzene	ND	180	20.	U
118-74-1	Hexachlorobenzene	ND	100	20.	U
111-44-4	Bis(2-chloroethyl)ether	ND	160	24.	U
91-58-7	2-Chloronaphthalene	ND	180	17.	U
95-50-1	1,2-Dichlorobenzene	ND	180	31.	U
541-73-1	1,3-Dichlorobenzene	ND	180	30.	U
106-46-7	1,4-Dichlorobenzene	ND	180	31.	U
91-94-1	3,3'-Dichlorobenzidine	ND	180	47.	U
121-14-2	2,4-Dinitrotoluene	ND	180	35.	U
606-20-2	2,6-Dinitrotoluene	ND	180	30.	U
206-44-0	Fluoranthene	2100	100	20.	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	19.	U
101-55-3	4-Bromophenyl phenyl ether	ND	180	27.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	210	30.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	190	18.	U
87-68-3	Hexachlorobutadiene	ND	180	26.	U
77-47-4	Hexachlorocyclopentadiene	ND	500	160	U
67-72-1	Hexachloroethane	ND	140	28.	U
78-59-1	Isophorone	ND	160	23.	U
91-20-3	Naphthalene	74	180	21.	J
98-95-3	Nitrobenzene	ND	160	26.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-06	**Date Collected**	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 21:46
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-06	**Analyst**	: JRW
Sample Amount	: 30.35 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 94
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
86-30-6	NDPA/DPA	ND	140	20.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	180	27.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	61.	U
85-68-7	Butyl benzyl phthalate	ND	180	44.	U
84-74-2	Di-n-butylphthalate	ND	180	33.	U
117-84-0	Di-n-octylphthalate	ND	180	60.	U
84-66-2	Diethyl phthalate	ND	180	16.	U
131-11-3	Dimethyl phthalate	ND	180	37.	U
56-55-3	Benzo(a)anthracene	1100	100	20.	
50-32-8	Benzo(a)pyrene	1300	140	43.	
205-99-2	Benzo(b)fluoranthene	1600	100	30.	
207-08-9	Benzo(k)fluoranthene	560	100	28.	
218-01-9	Chrysene	1100	100	18.	
208-96-8	Acenaphthylene	66	140	27.	J
120-12-7	Anthracene	370	100	34.	
191-24-2	Benzo(ghi)perylene	900	140	21.	
86-73-7	Fluorene	110	180	17.	J
85-01-8	Phenanthrene	1400	100	21.	
53-70-3	Dibenzo(a,h)anthracene	200	100	20.	
193-39-5	Indeno(1,2,3-cd)pyrene	910	140	24.	
129-00-0	Pyrene	1900	100	17.	
92-52-4	Biphenyl	ND	400	41.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-06	**Date Collected**	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 21:46
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-06	**Analyst**	: JRW
Sample Amount	: 30.35 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 94
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-47-8	4-Chloroaniline	ND	180	32.	U
88-74-4	2-Nitroaniline	ND	180	34.	U
99-09-2	3-Nitroaniline	ND	180	33.	U
100-01-6	4-Nitroaniline	ND	180	72.	U
132-64-9	Dibenzofuran	74	180	16.	J
91-57-6	2-Methylnaphthalene	82	210	21.	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	18.	U
98-86-2	Acetophenone	ND	180	22.	U
88-06-2	2,4,6-Trichlorophenol	ND	100	33.	U
59-50-7	p-Chloro-m-cresol	ND	180	26.	U
95-57-8	2-Chlorophenol	ND	180	21.	U
120-83-2	2,4-Dichlorophenol	ND	160	28.	U
105-67-9	2,4-Dimethylphenol	ND	180	58.	U
88-75-5	2-Nitrophenol	ND	380	66.	U
100-02-7	4-Nitrophenol	ND	240	72.	U
51-28-5	2,4-Dinitrophenol	ND	840	82.	U
534-52-1	4,6-Dinitro-o-cresol	ND	460	84.	U
87-86-5	Pentachlorophenol	ND	140	38.	U
108-95-2	Phenol	ND	180	26.	U
95-48-7	2-Methylphenol	ND	180	27.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	250	27.	U
95-95-4	2,4,5-Trichlorophenol	ND	180	34.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-06	**Date Collected**	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 21:46
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-06	**Analyst**	: JRW
Sample Amount	: 30.35 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 94
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	570	180	U
100-51-6	Benzyl Alcohol	ND	180	54.	U
86-74-8	Carbazole	160	180	17.	J
123-91-1	1,4-Dioxane	ND	26	8.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-07	Date Collected	: 08/26/20 12:50
Client ID	: SP-9 (6.5-7.0')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 08/31/20 17:23
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 35276-07	Analyst	: IM
Sample Amount	: 30.11 g	Instrument ID	: GCMS5
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 88
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	34	150	20.	J
120-82-1	1,2,4-Trichlorobenzene	ND	190	22.	U
118-74-1	Hexachlorobenzene	ND	110	21.	U
111-44-4	Bis(2-chloroethyl)ether	ND	170	26.	U
91-58-7	2-Chloronaphthalene	ND	190	19.	U
95-50-1	1,2-Dichlorobenzene	ND	190	34.	U
541-73-1	1,3-Dichlorobenzene	ND	190	32.	U
106-46-7	1,4-Dichlorobenzene	ND	190	33.	U
91-94-1	3,3'-Dichlorobenzidine	ND	190	50.	U
121-14-2	2,4-Dinitrotoluene	ND	190	38.	U
606-20-2	2,6-Dinitrotoluene	ND	190	32.	U
206-44-0	Fluoranthene	900	110	22.	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	20.	U
101-55-3	4-Bromophenyl phenyl ether	ND	190	29.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	230	32.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	200	19.	U
87-68-3	Hexachlorobutadiene	ND	190	28.	U
77-47-4	Hexachlorocyclopentadiene	ND	540	170	U
67-72-1	Hexachloroethane	ND	150	31.	U
78-59-1	Isophorone	ND	170	24.	U
91-20-3	Naphthalene	ND	190	23.	U
98-95-3	Nitrobenzene	ND	170	28.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-07	Date Collected	: 08/26/20 12:50
Client ID	: SP-9 (6.5-7.0')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 08/31/20 17:23
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 35276-07	Analyst	: IM
Sample Amount	: 30.11 g	Instrument ID	: GCMS5
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 88
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	150	22.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	190	29.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	190	65.	U
85-68-7	Butyl benzyl phthalate	ND	190	48.	U
84-74-2	Di-n-butylphthalate	ND	190	36.	U
117-84-0	Di-n-octylphthalate	ND	190	64.	U
84-66-2	Diethyl phthalate	ND	190	18.	U
131-11-3	Dimethyl phthalate	ND	190	40.	U
56-55-3	Benzo(a)anthracene	250	110	21.	
50-32-8	Benzo(a)pyrene	260	150	46.	
205-99-2	Benzo(b)fluoranthene	390	110	32.	
207-08-9	Benzo(k)fluoranthene	160	110	30.	
218-01-9	Chrysene	360	110	20.	
208-96-8	Acenaphthylene	63	150	29.	J
120-12-7	Anthracene	110	110	37.	
191-24-2	Benzo(ghi)perylene	160	150	22.	
86-73-7	Fluorene	48	190	18.	J
85-01-8	Phenanthrene	760	110	23.	
53-70-3	Dibenzo(a,h)anthracene	34	110	22.	J
193-39-5	Indeno(1,2,3-cd)pyrene	170	150	26.	
129-00-0	Pyrene	670	110	19.	
92-52-4	Biphenyl	ND	430	44.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-07	**Date Collected**	: 08/26/20 12:50
Client ID	: SP-9 (6.5-7.0')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 17:23
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-07	**Analyst**	: IM
Sample Amount	: 30.11 g	**Instrument ID**	: GCMS5
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 88
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-47-8	4-Chloroaniline	ND	190	34.	U
88-74-4	2-Nitroaniline	ND	190	36.	U
99-09-2	3-Nitroaniline	ND	190	36.	U
100-01-6	4-Nitroaniline	ND	190	78.	U
132-64-9	Dibenzofuran	37	190	18.	J
91-57-6	2-Methylnaphthalene	ND	230	23.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	20.	U
98-86-2	Acetophenone	ND	190	23.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	36.	U
59-50-7	p-Chloro-m-cresol	ND	190	28.	U
95-57-8	2-Chlorophenol	ND	190	22.	U
120-83-2	2,4-Dichlorophenol	ND	170	30.	U
105-67-9	2,4-Dimethylphenol	ND	190	62.	U
88-75-5	2-Nitrophenol	ND	410	71.	U
100-02-7	4-Nitrophenol	ND	260	77.	U
51-28-5	2,4-Dinitrophenol	ND	910	88.	U
534-52-1	4,6-Dinitro-o-cresol	ND	490	91.	U
87-86-5	Pentachlorophenol	ND	150	42.	U
108-95-2	Phenol	ND	190	28.	U
95-48-7	2-Methylphenol	ND	190	29.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	270	30.	U
95-95-4	2,4,5-Trichlorophenol	ND	190	36.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-07	**Date Collected**	: 08/26/20 12:50
Client ID	: SP-9 (6.5-7.0')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 17:23
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-07	**Analyst**	: IM
Sample Amount	: 30.11 g	**Instrument ID**	: GCMS5
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 88
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	610	190	U
100-51-6	Benzyl Alcohol	ND	190	58.	U
86-74-8	Carbazole	73	190	18.	J
123-91-1	1,4-Dioxane	ND	28	8.7	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-08	Date Collected	: 08/26/20 13:30
Client ID	: MW-2A (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 08/31/20 22:08
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 35276-08	Analyst	: JRW
Sample Amount	: 30.17 g	Instrument ID	: SV112
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 81
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	870	160	21.	
120-82-1	1,2,4-Trichlorobenzene	ND	200	23.	U
118-74-1	Hexachlorobenzene	ND	120	23.	U
111-44-4	Bis(2-chloroethyl)ether	ND	180	28.	U
91-58-7	2-Chloronaphthalene	ND	200	20.	U
95-50-1	1,2-Dichlorobenzene	ND	200	36.	U
541-73-1	1,3-Dichlorobenzene	ND	200	35.	U
106-46-7	1,4-Dichlorobenzene	ND	200	36.	U
91-94-1	3,3'-Dichlorobenzidine	ND	200	54.	U
121-14-2	2,4-Dinitrotoluene	ND	200	41.	U
606-20-2	2,6-Dinitrotoluene	ND	200	35.	U
206-44-0	Fluoranthene	5100	120	23.	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	22.	U
101-55-3	4-Bromophenyl phenyl ether	ND	200	31.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	240	35.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	220	20.	U
87-68-3	Hexachlorobutadiene	ND	200	30.	U
77-47-4	Hexachlorocyclopentadiene	ND	580	180	U
67-72-1	Hexachloroethane	ND	160	33.	U
78-59-1	Isophorone	ND	180	26.	U
91-20-3	Naphthalene	140	200	25.	J
98-95-3	Nitrobenzene	ND	180	30.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-08	**Date Collected**	: 08/26/20 13:30
Client ID	: MW-2A (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 22:08
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-08	**Analyst**	: JRW
Sample Amount	: 30.17 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 81
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
86-30-6	NDPA/DPA	ND	160	23.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	200	31.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	200	70.	U
85-68-7	Butyl benzyl phthalate	ND	200	51.	U
84-74-2	Di-n-butylphthalate	ND	200	39.	U
117-84-0	Di-n-octylphthalate	ND	200	69.	U
84-66-2	Diethyl phthalate	ND	200	19.	U
131-11-3	Dimethyl phthalate	ND	200	43.	U
56-55-3	Benzo(a)anthracene	2800	120	23.	
50-32-8	Benzo(a)pyrene	2100	160	50.	
205-99-2	Benzo(b)fluoranthene	2400	120	34.	
207-08-9	Benzo(k)fluoranthene	850	120	32.	
218-01-9	Chrysene	2400	120	21.	
208-96-8	Acenaphthylene	54	160	31.	J
120-12-7	Anthracene	1800	120	40.	
191-24-2	Benzo(ghi)perylene	880	160	24.	
86-73-7	Fluorene	820	200	20.	
85-01-8	Phenanthrene	5900	120	25.	
53-70-3	Dibenzo(a,h)anthracene	300	120	24.	
193-39-5	Indeno(1,2,3-cd)pyrene	1000	160	28.	
129-00-0	Pyrene	4200	120	20.	
92-52-4	Biphenyl	ND	460	47.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-08	**Date Collected**	: 08/26/20 13:30
Client ID	: MW-2A (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 22:08
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-08	**Analyst**	: JRW
Sample Amount	: 30.17 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 81
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-47-8	4-Chloroaniline	ND	200	37.	U
88-74-4	2-Nitroaniline	ND	200	39.	U
99-09-2	3-Nitroaniline	ND	200	38.	U
100-01-6	4-Nitroaniline	ND	200	84.	U
132-64-9	Dibenzofuran	440	200	19.	
91-57-6	2-Methylnaphthalene	180	240	24.	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	21.	U
98-86-2	Acetophenone	ND	200	25.	U
88-06-2	2,4,6-Trichlorophenol	ND	120	39.	U
59-50-7	p-Chloro-m-cresol	ND	200	30.	U
95-57-8	2-Chlorophenol	ND	200	24.	U
120-83-2	2,4-Dichlorophenol	ND	180	33.	U
105-67-9	2,4-Dimethylphenol	ND	200	67.	U
88-75-5	2-Nitrophenol	ND	440	76.	U
100-02-7	4-Nitrophenol	ND	280	83.	U
51-28-5	2,4-Dinitrophenol	ND	980	95.	U
534-52-1	4,6-Dinitro-o-cresol	ND	530	98.	U
87-86-5	Pentachlorophenol	ND	160	45.	U
108-95-2	Phenol	ND	200	31.	U
95-48-7	2-Methylphenol	ND	200	32.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	290	32.	U
95-95-4	2,4,5-Trichlorophenol	ND	200	39.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-08	**Date Collected**	: 08/26/20 13:30
Client ID	: MW-2A (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 22:08
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-08	**Analyst**	: JRW
Sample Amount	: 30.17 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 81
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	660	210	U
100-51-6	Benzyl Alcohol	ND	200	62.	U
86-74-8	Carbazole	620	200	20.	
123-91-1	1,4-Dioxane	ND	30	9.4	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-09	**Date Collected**	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 22:31
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-09	**Analyst**	: JRW
Sample Amount	: 30.55 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 95
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	200	140	18.	
120-82-1	1,2,4-Trichlorobenzene	ND	170	20.	U
118-74-1	Hexachlorobenzene	ND	100	19.	U
111-44-4	Bis(2-chloroethyl)ether	ND	160	23.	U
91-58-7	2-Chloronaphthalene	ND	170	17.	U
95-50-1	1,2-Dichlorobenzene	ND	170	31.	U
541-73-1	1,3-Dichlorobenzene	ND	170	30.	U
106-46-7	1,4-Dichlorobenzene	ND	170	30.	U
91-94-1	3,3'-Dichlorobenzidine	ND	170	46.	U
121-14-2	2,4-Dinitrotoluene	ND	170	34.	U
606-20-2	2,6-Dinitrotoluene	ND	170	30.	U
206-44-0	Fluoranthene	4800	100	20.	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	18.	U
101-55-3	4-Bromophenyl phenyl ether	ND	170	26.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	210	30.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	190	17.	U
87-68-3	Hexachlorobutadiene	ND	170	25.	U
77-47-4	Hexachlorocyclopentadiene	ND	490	160	U
67-72-1	Hexachloroethane	ND	140	28.	U
78-59-1	Isophorone	ND	160	22.	U
91-20-3	Naphthalene	180	170	21.	
98-95-3	Nitrobenzene	ND	160	26.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-09	Date Collected	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 08/31/20 22:31
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 35276-09	Analyst	: JRW
Sample Amount	: 30.55 g	Instrument ID	: SV112
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 95
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	140	20.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	170	27.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	170	60.	U
85-68-7	Butyl benzyl phthalate	ND	170	44.	U
84-74-2	Di-n-butylphthalate	ND	170	33.	U
117-84-0	Di-n-octylphthalate	ND	170	59.	U
84-66-2	Diethyl phthalate	ND	170	16.	U
131-11-3	Dimethyl phthalate	ND	170	36.	U
56-55-3	Benzo(a)anthracene	2600	100	19.	
50-32-8	Benzo(a)pyrene	2800	140	42.	
205-99-2	Benzo(b)fluoranthene	3600	100	29.	
207-08-9	Benzo(k)fluoranthene	1200	100	28.	
218-01-9	Chrysene	2600	100	18.	
208-96-8	Acenaphthylene	270	140	27.	
120-12-7	Anthracene	570	100	34.	
191-24-2	Benzo(ghi)perylene	1600	140	20.	
86-73-7	Fluorene	200	170	17.	
85-01-8	Phenanthrene	2900	100	21.	
53-70-3	Dibenzo(a,h)anthracene	440	100	20.	
193-39-5	Indeno(1,2,3-cd)pyrene	1800	140	24.	
129-00-0	Pyrene	3900	100	17.	
92-52-4	Biphenyl	ND	390	40.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-09	Date Collected	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 08/31/20 22:31
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 35276-09	Analyst	: JRW
Sample Amount	: 30.55 g	Instrument ID	: SV112
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 95
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-47-8	4-Chloroaniline	ND	170	31.	U
88-74-4	2-Nitroaniline	ND	170	33.	U
99-09-2	3-Nitroaniline	ND	170	32.	U
100-01-6	4-Nitroaniline	ND	170	72.	U
132-64-9	Dibenzofuran	140	170	16.	J
91-57-6	2-Methylnaphthalene	190	210	21.	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	18.	U
98-86-2	Acetophenone	ND	170	21.	U
88-06-2	2,4,6-Trichlorophenol	ND	100	33.	U
59-50-7	p-Chloro-m-cresol	ND	170	26.	U
95-57-8	2-Chlorophenol	ND	170	20.	U
120-83-2	2,4-Dichlorophenol	ND	160	28.	U
105-67-9	2,4-Dimethylphenol	ND	170	57.	U
88-75-5	2-Nitrophenol	ND	370	65.	U
100-02-7	4-Nitrophenol	ND	240	70.	U
51-28-5	2,4-Dinitrophenol	ND	830	80.	U
534-52-1	4,6-Dinitro-o-cresol	ND	450	83.	U
87-86-5	Pentachlorophenol	ND	140	38.	U
108-95-2	Phenol	ND	170	26.	U
95-48-7	2-Methylphenol	ND	170	27.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	250	27.	U
95-95-4	2,4,5-Trichlorophenol	ND	170	33.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-09	**Date Collected**	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 22:31
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-09	**Analyst**	: JRW
Sample Amount	: 30.55 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 95
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	560	170	U
100-51-6	Benzyl Alcohol	ND	170	53.	U
86-74-8	Carbazole	300	170	17.	
123-91-1	1,4-Dioxane	ND	26	7.9	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-10	**Date Collected**	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 22:54
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-10	**Analyst**	: JRW
Sample Amount	: 30.04 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 91
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	280	150	19.	
120-82-1	1,2,4-Trichlorobenzene	ND	180	21.	U
118-74-1	Hexachlorobenzene	ND	110	20.	U
111-44-4	Bis(2-chloroethyl)ether	ND	160	25.	U
91-58-7	2-Chloronaphthalene	ND	180	18.	U
95-50-1	1,2-Dichlorobenzene	ND	180	33.	U
541-73-1	1,3-Dichlorobenzene	ND	180	31.	U
106-46-7	1,4-Dichlorobenzene	ND	180	32.	U
91-94-1	3,3'-Dichlorobenzidine	ND	180	49.	U
121-14-2	2,4-Dinitrotoluene	ND	180	36.	U
606-20-2	2,6-Dinitrotoluene	ND	180	31.	U
206-44-0	Fluoranthene	1200	110	21.	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	20.	U
101-55-3	4-Bromophenyl phenyl ether	ND	180	28.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	220	31.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	200	18.	U
87-68-3	Hexachlorobutadiene	ND	180	27.	U
77-47-4	Hexachlorocyclopentadiene	ND	520	160	U
67-72-1	Hexachloroethane	ND	150	30.	U
78-59-1	Isophorone	ND	160	24.	U
91-20-3	Naphthalene	100	180	22.	J
98-95-3	Nitrobenzene	ND	160	27.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-10	Date Collected	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 08/31/20 22:54
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 35276-10	Analyst	: JRW
Sample Amount	: 30.04 g	Instrument ID	: SV112
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	150	21.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	180	28.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	63.	U
85-68-7	Butyl benzyl phthalate	ND	180	46.	U
84-74-2	Di-n-butylphthalate	ND	180	35.	U
117-84-0	Di-n-octylphthalate	ND	180	62.	U
84-66-2	Diethyl phthalate	ND	180	17.	U
131-11-3	Dimethyl phthalate	ND	180	38.	U
56-55-3	Benzo(a)anthracene	660	110	20.	
50-32-8	Benzo(a)pyrene	540	150	45.	
205-99-2	Benzo(b)fluoranthene	600	110	31.	
207-08-9	Benzo(k)fluoranthene	210	110	29.	
218-01-9	Chrysene	580	110	19.	
208-96-8	Acenaphthylene	42	150	28.	J
120-12-7	Anthracene	500	110	36.	
191-24-2	Benzo(ghi)perylene	280	150	22.	
86-73-7	Fluorene	230	180	18.	
85-01-8	Phenanthrene	1600	110	22.	
53-70-3	Dibenzo(a,h)anthracene	75	110	21.	J
193-39-5	Indeno(1,2,3-cd)pyrene	290	150	25.	
129-00-0	Pyrene	1100	110	18.	
92-52-4	Biphenyl	ND	420	42.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-10	**Date Collected**	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 22:54
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-10	**Analyst**	: JRW
Sample Amount	: 30.04 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 91
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-47-8	4-Chloroaniline	ND	180	33.	U
88-74-4	2-Nitroaniline	ND	180	35.	U
99-09-2	3-Nitroaniline	ND	180	34.	U
100-01-6	4-Nitroaniline	ND	180	76.	U
132-64-9	Dibenzofuran	170	180	17.	J
91-57-6	2-Methylnaphthalene	92	220	22.	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	19.	U
98-86-2	Acetophenone	ND	180	23.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	35.	U
59-50-7	p-Chloro-m-cresol	ND	180	27.	U
95-57-8	2-Chlorophenol	ND	180	22.	U
120-83-2	2,4-Dichlorophenol	ND	160	29.	U
105-67-9	2,4-Dimethylphenol	ND	180	60.	U
88-75-5	2-Nitrophenol	ND	400	69.	U
100-02-7	4-Nitrophenol	ND	260	75.	U
51-28-5	2,4-Dinitrophenol	ND	880	85.	U
534-52-1	4,6-Dinitro-o-cresol	ND	480	88.	U
87-86-5	Pentachlorophenol	ND	150	40.	U
108-95-2	Phenol	ND	180	28.	U
95-48-7	2-Methylphenol	ND	180	28.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	260	29.	U
95-95-4	2,4,5-Trichlorophenol	ND	180	35.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-10	**Date Collected**	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 22:54
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-10	**Analyst**	: JRW
Sample Amount	: 30.04 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 91
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	590	180	U
100-51-6	Benzyl Alcohol	ND	180	56.	U
86-74-8	Carbazole	230	180	18.	
123-91-1	1,4-Dioxane	ND	27	8.4	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-11	Date Collected	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 08/31/20 12:11
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 35276-11	Analyst	: WR
Sample Amount	: 30.52 g	Instrument ID	: GCMS5
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 90
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	150	19.	U
120-82-1	1,2,4-Trichlorobenzene	ND	180	21.	U
118-74-1	Hexachlorobenzene	ND	110	20.	U
111-44-4	Bis(2-chloroethyl)ether	ND	160	25.	U
91-58-7	2-Chloronaphthalene	ND	180	18.	U
95-50-1	1,2-Dichlorobenzene	ND	180	33.	U
541-73-1	1,3-Dichlorobenzene	ND	180	31.	U
106-46-7	1,4-Dichlorobenzene	ND	180	32.	U
91-94-1	3,3'-Dichlorobenzidine	ND	180	49.	U
121-14-2	2,4-Dinitrotoluene	ND	180	37.	U
606-20-2	2,6-Dinitrotoluene	ND	180	31.	U
206-44-0	Fluoranthene	ND	110	21.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	20.	U
101-55-3	4-Bromophenyl phenyl ether	ND	180	28.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	220	31.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	200	18.	U
87-68-3	Hexachlorobutadiene	ND	180	27.	U
77-47-4	Hexachlorocyclopentadiene	ND	520	160	U
67-72-1	Hexachloroethane	ND	150	30.	U
78-59-1	Isophorone	ND	160	24.	U
91-20-3	Naphthalene	ND	180	22.	U
98-95-3	Nitrobenzene	ND	160	27.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-11	**Date Collected**	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 12:11
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-11	**Analyst**	: WR
Sample Amount	: 30.52 g	**Instrument ID**	: GCMS5
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 90
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
86-30-6	NDPA/DPA	ND	150	21.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	180	28.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	63.	U
85-68-7	Butyl benzyl phthalate	ND	180	46.	U
84-74-2	Di-n-butylphthalate	ND	180	35.	U
117-84-0	Di-n-octylphthalate	ND	180	62.	U
84-66-2	Diethyl phthalate	ND	180	17.	U
131-11-3	Dimethyl phthalate	ND	180	38.	U
56-55-3	Benzo(a)anthracene	ND	110	21.	U
50-32-8	Benzo(a)pyrene	ND	150	45.	U
205-99-2	Benzo(b)fluoranthene	ND	110	31.	U
207-08-9	Benzo(k)fluoranthene	ND	110	29.	U
218-01-9	Chrysene	ND	110	19.	U
208-96-8	Acenaphthylene	ND	150	28.	U
120-12-7	Anthracene	ND	110	36.	U
191-24-2	Benzo(ghi)perylene	ND	150	22.	U
86-73-7	Fluorene	ND	180	18.	U
85-01-8	Phenanthrene	ND	110	22.	U
53-70-3	Dibenzo(a,h)anthracene	ND	110	21.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	150	26.	U
129-00-0	Pyrene	ND	110	18.	U
92-52-4	Biphenyl	ND	420	42.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-11	**Date Collected**	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 12:11
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-11	**Analyst**	: WR
Sample Amount	: 30.52 g	**Instrument ID**	: GCMS5
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 90
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-47-8	4-Chloroaniline	ND	180	33.	U
88-74-4	2-Nitroaniline	ND	180	35.	U
99-09-2	3-Nitroaniline	ND	180	34.	U
100-01-6	4-Nitroaniline	ND	180	76.	U
132-64-9	Dibenzofuran	ND	180	17.	U
91-57-6	2-Methylnaphthalene	ND	220	22.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	19.	U
98-86-2	Acetophenone	ND	180	23.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	35.	U
59-50-7	p-Chloro-m-cresol	ND	180	27.	U
95-57-8	2-Chlorophenol	ND	180	22.	U
120-83-2	2,4-Dichlorophenol	ND	160	29.	U
105-67-9	2,4-Dimethylphenol	ND	180	60.	U
88-75-5	2-Nitrophenol	ND	400	69.	U
100-02-7	4-Nitrophenol	ND	260	75.	U
51-28-5	2,4-Dinitrophenol	ND	880	85.	U
534-52-1	4,6-Dinitro-o-cresol	ND	480	88.	U
87-86-5	Pentachlorophenol	ND	150	40.	U
108-95-2	Phenol	ND	180	28.	U
95-48-7	2-Methylphenol	ND	180	28.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	260	29.	U
95-95-4	2,4,5-Trichlorophenol	ND	180	35.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-11	**Date Collected**	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 12:11
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-11	**Analyst**	: WR
Sample Amount	: 30.52 g	**Instrument ID**	: GCMS5
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 90
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	590	180	U
100-51-6	Benzyl Alcohol	ND	180	56.	U
86-74-8	Carbazole	ND	180	18.	U
123-91-1	1,4-Dioxane	ND	27	8.4	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-12	Date Collected	: 08/26/20 15:18
Client ID	: 20200826DUP	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 08/31/20 15:10
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 35276-12	Analyst	: IM
Sample Amount	: 30.52 g	Instrument ID	: GCMS5
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 87
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	150	19.	U
120-82-1	1,2,4-Trichlorobenzene	ND	190	21.	U
118-74-1	Hexachlorobenzene	ND	110	21.	U
111-44-4	Bis(2-chloroethyl)ether	ND	170	25.	U
91-58-7	2-Chloronaphthalene	ND	190	18.	U
95-50-1	1,2-Dichlorobenzene	ND	190	34.	U
541-73-1	1,3-Dichlorobenzene	ND	190	32.	U
106-46-7	1,4-Dichlorobenzene	ND	190	33.	U
91-94-1	3,3'-Dichlorobenzidine	ND	190	50.	U
121-14-2	2,4-Dinitrotoluene	ND	190	37.	U
606-20-2	2,6-Dinitrotoluene	ND	190	32.	U
206-44-0	Fluoranthene	ND	110	22.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	20.	U
101-55-3	4-Bromophenyl phenyl ether	ND	190	29.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	220	32.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	200	19.	U
87-68-3	Hexachlorobutadiene	ND	190	27.	U
77-47-4	Hexachlorocyclopentadiene	ND	540	170	U
67-72-1	Hexachloroethane	ND	150	30.	U
78-59-1	Isophorone	ND	170	24.	U
91-20-3	Naphthalene	ND	190	23.	U
98-95-3	Nitrobenzene	ND	170	28.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-12	Date Collected	: 08/26/20 15:18
Client ID	: 20200826DUP	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 08/31/20 15:10
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 35276-12	Analyst	: IM
Sample Amount	: 30.52 g	Instrument ID	: GCMS5
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 87
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	150	21.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	190	29.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	190	65.	U
85-68-7	Butyl benzyl phthalate	ND	190	47.	U
84-74-2	Di-n-butylphthalate	ND	190	36.	U
117-84-0	Di-n-octylphthalate	ND	190	64.	U
84-66-2	Diethyl phthalate	ND	190	17.	U
131-11-3	Dimethyl phthalate	ND	190	39.	U
56-55-3	Benzo(a)anthracene	ND	110	21.	U
50-32-8	Benzo(a)pyrene	ND	150	46.	U
205-99-2	Benzo(b)fluoranthene	ND	110	32.	U
207-08-9	Benzo(k)fluoranthene	ND	110	30.	U
218-01-9	Chrysene	ND	110	19.	U
208-96-8	Acenaphthylene	ND	150	29.	U
120-12-7	Anthracene	ND	110	36.	U
191-24-2	Benzo(ghi)perylene	ND	150	22.	U
86-73-7	Fluorene	ND	190	18.	U
85-01-8	Phenanthrene	ND	110	23.	U
53-70-3	Dibenzo(a,h)anthracene	ND	110	22.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	150	26.	U
129-00-0	Pyrene	ND	110	19.	U
92-52-4	Biphenyl	ND	430	43.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-12	Date Collected	: 08/26/20 15:18
Client ID	: 20200826DUP	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 08/31/20 15:10
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 35276-12	Analyst	: IM
Sample Amount	: 30.52 g	Instrument ID	: GCMS5
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 87
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-47-8	4-Chloroaniline	ND	190	34.	U
88-74-4	2-Nitroaniline	ND	190	36.	U
99-09-2	3-Nitroaniline	ND	190	35.	U
100-01-6	4-Nitroaniline	ND	190	78.	U
132-64-9	Dibenzofuran	ND	190	18.	U
91-57-6	2-Methylnaphthalene	ND	220	23.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	20.	U
98-86-2	Acetophenone	ND	190	23.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	36.	U
59-50-7	p-Chloro-m-cresol	ND	190	28.	U
95-57-8	2-Chlorophenol	ND	190	22.	U
120-83-2	2,4-Dichlorophenol	ND	170	30.	U
105-67-9	2,4-Dimethylphenol	ND	190	62.	U
88-75-5	2-Nitrophenol	ND	400	70.	U
100-02-7	4-Nitrophenol	ND	260	76.	U
51-28-5	2,4-Dinitrophenol	ND	900	87.	U
534-52-1	4,6-Dinitro-o-cresol	ND	490	90.	U
87-86-5	Pentachlorophenol	ND	150	41.	U
108-95-2	Phenol	ND	190	28.	U
95-48-7	2-Methylphenol	ND	190	29.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	270	29.	U
95-95-4	2,4,5-Trichlorophenol	ND	190	36.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-12	**Date Collected**	: 08/26/20 15:18
Client ID	: 20200826DUP	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/31/20 15:10
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-12	**Analyst**	: IM
Sample Amount	: 30.52 g	**Instrument ID**	: GCMS5
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: 87
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	610	190	U
100-51-6	Benzyl Alcohol	ND	190	57.	U
86-74-8	Carbazole	ND	190	18.	U
123-91-1	1,4-Dioxane	ND	28	8.6	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-13	**Date Collected**	: 08/26/20 16:00
Client ID	: 20200826EB	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 01:54
Sample Matrix	: Equipment Blank	**Date Extracted**	: 08/31/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-13	**Analyst**	: JG
Sample Amount	: 275 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.45	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.40	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.43	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-13	**Date Collected**	: 08/26/20 16:00
Client ID	: 20200826EB	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 01:54
Sample Matrix	: Equipment Blank	**Date Extracted**	: 08/31/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-13	**Analyst**	: JG
Sample Amount	: 275 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U
88-74-4	2-Nitroaniline	ND	5.0	0.50	U
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-13	**Date Collected**	: 08/26/20 16:00
Client ID	: 20200826EB	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 01:54
Sample Matrix	: Equipment Blank	**Date Extracted**	: 08/31/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 35276-13	**Analyst**	: JG
Sample Amount	: 275 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.59	U
86-74-8	Carbazole	ND	2.0	0.49	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1404519-1	Date Collected	: NA
Client ID	: WG1404519-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 08/31/20 13:51
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 404519-1	Analyst	: WR
Sample Amount	: 30.18 g	Instrument ID	: SV112
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	130	17.	U
120-82-1	1,2,4-Trichlorobenzene	ND	160	19.	U
118-74-1	Hexachlorobenzene	ND	99	18.	U
111-44-4	Bis(2-chloroethyl)ether	ND	150	22.	U
91-58-7	2-Chloronaphthalene	ND	160	16.	U
95-50-1	1,2-Dichlorobenzene	ND	160	30.	U
541-73-1	1,3-Dichlorobenzene	ND	160	28.	U
106-46-7	1,4-Dichlorobenzene	ND	160	29.	U
91-94-1	3,3'-Dichlorobenzidine	ND	160	44.	U
121-14-2	2,4-Dinitrotoluene	ND	160	33.	U
606-20-2	2,6-Dinitrotoluene	ND	160	28.	U
206-44-0	Fluoranthene	ND	99	19.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	160	18.	U
101-55-3	4-Bromophenyl phenyl ether	ND	160	25.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	200	28.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	180	17.	U
87-68-3	Hexachlorobutadiene	ND	160	24.	U
77-47-4	Hexachlorocyclopentadiene	ND	470	150	U
67-72-1	Hexachloroethane	ND	130	27.	U
78-59-1	Isophorone	ND	150	22.	U
91-20-3	Naphthalene	ND	160	20.	U
98-95-3	Nitrobenzene	ND	150	24.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1404519-1	Date Collected	: NA
Client ID	: WG1404519-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 08/31/20 13:51
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 404519-1	Analyst	: WR
Sample Amount	: 30.18 g	Instrument ID	: SV112
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	130	19.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	160	26.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	160	57.	U
85-68-7	Butyl benzyl phthalate	ND	160	42.	U
84-74-2	Di-n-butylphthalate	ND	160	31.	U
117-84-0	Di-n-octylphthalate	ND	160	56.	U
84-66-2	Diethyl phthalate	ND	160	15.	U
131-11-3	Dimethyl phthalate	ND	160	35.	U
56-55-3	Benzo(a)anthracene	ND	99	19.	U
50-32-8	Benzo(a)pyrene	ND	130	40.	U
205-99-2	Benzo(b)fluoranthene	ND	99	28.	U
207-08-9	Benzo(k)fluoranthene	ND	99	26.	U
218-01-9	Chrysene	ND	99	17.	U
208-96-8	Acenaphthylene	ND	130	26.	U
120-12-7	Anthracene	ND	99	32.	U
191-24-2	Benzo(ghi)perylene	ND	130	19.	U
86-73-7	Fluorene	ND	160	16.	U
85-01-8	Phenanthrene	ND	99	20.	U
53-70-3	Dibenzo(a,h)anthracene	ND	99	19.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	130	23.	U
129-00-0	Pyrene	ND	99	16.	U
92-52-4	Biphenyl	ND	380	38.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1404519-1	Date Collected	: NA
Client ID	: WG1404519-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 08/31/20 13:51
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 404519-1	Analyst	: WR
Sample Amount	: 30.18 g	Instrument ID	: SV112
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-47-8	4-Chloroaniline	ND	160	30.	U
88-74-4	2-Nitroaniline	ND	160	32.	U
99-09-2	3-Nitroaniline	ND	160	31.	U
100-01-6	4-Nitroaniline	ND	160	68.	U
132-64-9	Dibenzofuran	ND	160	16.	U
91-57-6	2-Methylnaphthalene	ND	200	20.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	160	17.	U
98-86-2	Acetophenone	ND	160	20.	U
88-06-2	2,4,6-Trichlorophenol	ND	99	31.	U
59-50-7	p-Chloro-m-cresol	ND	160	25.	U
95-57-8	2-Chlorophenol	ND	160	20.	U
120-83-2	2,4-Dichlorophenol	ND	150	27.	U
105-67-9	2,4-Dimethylphenol	ND	160	55.	U
88-75-5	2-Nitrophenol	ND	360	62.	U
100-02-7	4-Nitrophenol	ND	230	68.	U
51-28-5	2,4-Dinitrophenol	ND	800	77.	U
534-52-1	4,6-Dinitro-o-cresol	ND	430	80.	U
87-86-5	Pentachlorophenol	ND	130	36.	U
108-95-2	Phenol	ND	160	25.	U
95-48-7	2-Methylphenol	ND	160	26.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	240	26.	U
95-95-4	2,4,5-Trichlorophenol	ND	160	32.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1404519-1	**Date Collected**	: NA
Client ID	: WG1404519-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/31/20 13:51
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 404519-1	**Analyst**	: WR
Sample Amount	: 30.18 g	**Instrument ID**	: SV112
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: NA
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	540	170	U
100-51-6	Benzyl Alcohol	ND	160	51.	U
86-74-8	Carbazole	ND	160	16.	U
123-91-1	1,4-Dioxane	ND	25	7.6	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1404939-1	Date Collected	: NA
Client ID	: WG1404939-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 08/31/20 21:58
Sample Matrix	: WATER	Date Extracted	: 08/31/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 404939-1	Analyst	: CB
Sample Amount	: 275 ml	Instrument ID	: SV107
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.44	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	U
118-74-1	Hexachlorobenzene	ND	2.0	0.46	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-58-7	2-Chloronaphthalene	ND	2.0	0.44	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.45	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.40	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.43	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
206-44-0	Fluoranthene	ND	2.0	0.26	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
87-68-3	Hexachlorobutadiene	ND	2.0	0.66	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
67-72-1	Hexachloroethane	ND	2.0	0.58	U
78-59-1	Isophorone	ND	5.0	1.2	U
91-20-3	Naphthalene	ND	2.0	0.46	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1404939-1	Date Collected	: NA
Client ID	: WG1404939-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 08/31/20 21:58
Sample Matrix	: WATER	Date Extracted	: 08/31/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 404939-1	Analyst	: CB
Sample Amount	: 275 ml	Instrument ID	: SV107
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.1	3.0	1.5	J
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	0.49	5.0	0.39	J
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.41	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.35	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.37	U
218-01-9	Chrysene	ND	2.0	0.34	U
208-96-8	Acenaphthylene	ND	2.0	0.46	U
120-12-7	Anthracene	ND	2.0	0.33	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.30	U
86-73-7	Fluorene	ND	2.0	0.41	U
85-01-8	Phenanthrene	ND	2.0	0.33	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.32	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.40	U
129-00-0	Pyrene	ND	2.0	0.28	U
92-52-4	Biphenyl	ND	2.0	0.46	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1404939-1	Date Collected	: NA
Client ID	: WG1404939-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 08/31/20 21:58
Sample Matrix	: WATER	Date Extracted	: 08/31/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 404939-1	Analyst	: CB
Sample Amount	: 275 ml	Instrument ID	: SV107
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-47-8	4-Chloroaniline	ND	5.0	1.1	U
88-74-4	2-Nitroaniline	ND	5.0	0.50	U
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
91-57-6	2-Methylnaphthalene	ND	2.0	0.45	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
87-86-5	Pentachlorophenol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1404939-1	**Date Collected**	: NA
Client ID	: WG1404939-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/31/20 21:58
Sample Matrix	: WATER	**Date Extracted**	: 08/31/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 404939-1	**Analyst**	: CB
Sample Amount	: 275 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.59	U
86-74-8	Carbazole	ND	2.0	0.49	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1405442-1	Date Collected	: NA
Client ID	: WG1405442-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/02/20 08:19
Sample Matrix	: SOIL	Date Extracted	: 09/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 405442-1	Analyst	: IM
Sample Amount	: 30.24 g	Instrument ID	: JULIET
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	130	17.	U
120-82-1	1,2,4-Trichlorobenzene	ND	160	19.	U
118-74-1	Hexachlorobenzene	ND	99	18.	U
111-44-4	Bis(2-chloroethyl)ether	ND	150	22.	U
91-58-7	2-Chloronaphthalene	ND	160	16.	U
95-50-1	1,2-Dichlorobenzene	ND	160	30.	U
541-73-1	1,3-Dichlorobenzene	ND	160	28.	U
106-46-7	1,4-Dichlorobenzene	ND	160	29.	U
91-94-1	3,3'-Dichlorobenzidine	ND	160	44.	U
121-14-2	2,4-Dinitrotoluene	ND	160	33.	U
606-20-2	2,6-Dinitrotoluene	ND	160	28.	U
206-44-0	Fluoranthene	ND	99	19.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	160	18.	U
101-55-3	4-Bromophenyl phenyl ether	ND	160	25.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	200	28.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	180	16.	U
87-68-3	Hexachlorobutadiene	ND	160	24.	U
77-47-4	Hexachlorocyclopentadiene	ND	470	150	U
67-72-1	Hexachloroethane	ND	130	27.	U
78-59-1	Isophorone	ND	150	21.	U
91-20-3	Naphthalene	ND	160	20.	U
98-95-3	Nitrobenzene	ND	150	24.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1405442-1	Date Collected	: NA
Client ID	: WG1405442-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/02/20 08:19
Sample Matrix	: SOIL	Date Extracted	: 09/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 405442-1	Analyst	: IM
Sample Amount	: 30.24 g	Instrument ID	: JULIET
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	130	19.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	160	26.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	160	57.	U
85-68-7	Butyl benzyl phthalate	ND	160	42.	U
84-74-2	Di-n-butylphthalate	ND	160	31.	U
117-84-0	Di-n-octylphthalate	ND	160	56.	U
84-66-2	Diethyl phthalate	ND	160	15.	U
131-11-3	Dimethyl phthalate	ND	160	35.	U
56-55-3	Benzo(a)anthracene	ND	99	19.	U
50-32-8	Benzo(a)pyrene	ND	130	40.	U
205-99-2	Benzo(b)fluoranthene	ND	99	28.	U
207-08-9	Benzo(k)fluoranthene	ND	99	26.	U
218-01-9	Chrysene	ND	99	17.	U
208-96-8	Acenaphthylene	ND	130	26.	U
120-12-7	Anthracene	ND	99	32.	U
191-24-2	Benzo(ghi)perylene	ND	130	19.	U
86-73-7	Fluorene	ND	160	16.	U
85-01-8	Phenanthrene	ND	99	20.	U
53-70-3	Dibenzo(a,h)anthracene	ND	99	19.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	130	23.	U
129-00-0	Pyrene	ND	99	16.	U
92-52-4	Biphenyl	ND	380	38.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1405442-1	Date Collected	: NA
Client ID	: WG1405442-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/02/20 08:19
Sample Matrix	: SOIL	Date Extracted	: 09/01/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 405442-1	Analyst	: IM
Sample Amount	: 30.24 g	Instrument ID	: JULIET
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-47-8	4-Chloroaniline	ND	160	30.	U
88-74-4	2-Nitroaniline	ND	160	32.	U
99-09-2	3-Nitroaniline	ND	160	31.	U
100-01-6	4-Nitroaniline	ND	160	68.	U
132-64-9	Dibenzofuran	ND	160	16.	U
91-57-6	2-Methylnaphthalene	ND	200	20.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	160	17.	U
98-86-2	Acetophenone	ND	160	20.	U
88-06-2	2,4,6-Trichlorophenol	ND	99	31.	U
59-50-7	p-Chloro-m-cresol	ND	160	25.	U
95-57-8	2-Chlorophenol	ND	160	20.	U
120-83-2	2,4-Dichlorophenol	ND	150	26.	U
105-67-9	2,4-Dimethylphenol	ND	160	54.	U
88-75-5	2-Nitrophenol	ND	360	62.	U
100-02-7	4-Nitrophenol	ND	230	67.	U
51-28-5	2,4-Dinitrophenol	ND	790	77.	U
534-52-1	4,6-Dinitro-o-cresol	ND	430	79.	U
87-86-5	Pentachlorophenol	ND	130	36.	U
108-95-2	Phenol	ND	160	25.	U
95-48-7	2-Methylphenol	ND	160	26.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	240	26.	U
95-95-4	2,4,5-Trichlorophenol	ND	160	32.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405442-1	**Date Collected**	: NA
Client ID	: WG1405442-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/02/20 08:19
Sample Matrix	: SOIL	**Date Extracted**	: 09/01/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 405442-1	**Analyst**	: IM
Sample Amount	: 30.24 g	**Instrument ID**	: JULIET
Extraction Method	: EPA 3546	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: NA
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	540	170	U
100-51-6	Benzyl Alcohol	ND	160	50.	U
86-74-8	Carbazole	ND	160	16.	U
123-91-1	1,4-Dioxane	ND	25	7.6	U

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\200712ICAL\
Data File : ABNICV.D
Acq On : 13 Jul 2020 7:50 am
Operator : SV107:cb
Sample : CQICV1,32,,ABNICV #8836
Misc : WG1402620,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 24 21:26:14 2020
Quant Method : I:\8270\SV107\200712ICAL\FS200712SV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 24 21:24:36 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	87	0.00
2	t	n-Nitrosodimethylamine		0.487	0.450	7.6	79	0.00
3	t	Pyridine		0.857	0.822	4.1	79	0.00
4	S	2-Fluorophenol		0.692	0.642	7.2	75	0.00
5	T	Aniline		1.182	1.099	7.0	77	0.00
6	t	2-Chlorophenol		0.846	0.827	2.2	80	0.00
7	S	Phenol-d6		0.872	0.850	2.5	79	0.00
8	T	Phenol		0.987	0.947	4.1	79	0.00
9	T	Bis(2-chloroethyl)ether		0.791	0.786	0.6	82	0.00
10	T	1,3-Dichlorobenzene		0.994	0.961	3.3	81	0.00
11	T	1,4-Dichlorobenzene		1.012	0.970	4.2	83	0.00
12	T	1,2-Dichlorobenzene		0.974	0.931	4.4	82	0.00
13	t	Benzyl alcohol		0.591	0.554	6.3	78	0.00
14	T	Bis(2-chloroisopropyl)ether		1.122	1.008	10.2	76	0.00
15	T	2-Methylphenol		0.720	0.694	3.6	77	0.00
16	T	Hexachloroethane		0.402	0.388	3.5	83	0.00
17	T	n-Nitrosodi-n-propylamine		0.569	0.505	11.2	75	0.00
18	T	3-Methylphenol/4-Methylphen		0.770	0.738	4.2	78	0.00
19	S	Nitrobenzene-d5		0.786	0.764	2.8	78	0.00
20	T	Nitrobenzene		0.818	0.791	3.3	80	0.00
21	T	Isophorone		1.508	1.410	6.5	77	0.00
22	T	2-Nitrophenol		0.409	0.318	22.2#	68	0.00
23	T	2,4-Dimethylphenol		0.762	0.769	-0.9	84	0.00
24	T	Bis(2-chloroethoxy)methane		1.009	0.970	3.9	78	0.00
25	T	2,4-Dichlorophenol		0.686	0.650	5.2	78	0.00
26	T	1,2,4-Trichlorobenzene		0.824	0.798	3.2	85	0.00
34	I	IS1_Naphthalene-d8		1.000	1.000	0.0	89	0.00
35	T	Naphthalene		1.082	1.029	4.9	82	0.00
36	T	Benzoic Acid	*	5.000	3.981	20.4#	60	0.00
37	T	4-Chloroaniline		0.118	0.113	4.2	79	0.00
38	T	Hexachlorobutadiene		0.173	0.161	6.9	83	0.00
39	T	p-Chloro-m-cresol		0.274	0.250	8.8	80	0.00
40	T	2-Methylnaphthalene		0.698	0.645	7.6	82	0.00
41	T	1-Methylnaphthalene		0.243	0.231	4.9	82	0.00
42	T	Hexachlorocyclopentadiene		0.208	0.176	15.4	76	0.00
43	T	2,4,6-Trichlorophenol		0.188	0.166	11.7	75	0.00
44	T	2,4,5-Trichlorophenol		0.209	0.190	9.1	77	0.00
45	S	2-Fluorobiphenyl		0.700	0.686	2.0	83	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\200712ICAL\
Data File : ABNICV.D
Acq On : 13 Jul 2020 7:50 am
Operator : SV107:cb
Sample : CQICV1,32,,ABNICV #8836
Misc : WG1402620,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 24 21:26:14 2020
Quant Method : I:\8270\SV107\200712ICAL\FS200712SV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 24 21:24:36 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
46	T	2-Chloronaphthalene		0.655	0.603	7.9	79	0.00
47	T	2-Nitroaniline	*	5.000	3.673	26.5#	68	0.00
48	T	1,4-Dinitrobenzene	*	5.000	4.266	14.7	72	0.00
49	T	1,3-Dinitrobenzene		0.115	0.086	25.2#	76	0.00
50	T	Dimethyl phthalate		0.743	0.671	9.7	78	0.00
51	T	Acenaphthylene		1.021	0.945	7.4	78	0.00
52	T	2,6-Dinitrotoluene		0.156	0.132	15.4	74	0.00
53	T	1,2-Dinitrobenzene		0.081	0.065	19.8	76	0.00
62	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	87	0.00
63	T	3-Nitroaniline	*	5.000	4.249	15.0	74	0.00
64	T	Acenaphthene		1.194	1.122	6.0	80	0.00
65	T	2,4-Dinitrophenol	*	5.000	3.961	20.8#	62	0.00
66	T	Dibenzofuran		1.808	1.710	5.4	81	0.00
67	T	2,4-Dinitrotoluene		0.394	0.341	13.5	75	0.00
68	T	4-Nitrophenol		0.288	0.258	10.4	80	0.00
69	T	2,3,5,6-Tetrachlorophenol		0.327	0.280	14.4	71	0.00
70	T	2,3,4,6-Tetrachlorophenol		0.340	0.298	12.4	76	0.00
71	T	Diethyl phthalate		1.383	1.317	4.8	78	0.00
72	T	Fluorene		1.407	1.335	5.1	78	0.00
73	T	4-Chlorophenyl phenyl ether		0.649	0.621	4.3	81	0.00
74	T	4-Nitroaniline	*	5.000	3.970	20.6#	75	0.00
75	T	4,6-Dinitro-o-cresol	*	5.000	3.985	20.3#	69	0.00
76	T	NDPA/DPA		1.154	1.077	6.7	78	0.00
77	T	Azobenzene		1.273	1.201	5.7	79	0.00
78	S	2,4,6-Tribromophenol		0.153	0.133	13.1	70	0.00
79	T	4-Bromophenyl phenyl ether		0.330	0.288	12.7	74	0.00
80	T	Hexachlorobenzene		0.371	0.322	13.2	74	0.00
81	T	Pentachlorophenol		0.241	0.185	23.2#	71	0.00
87	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	86	0.00
88	T	Phenanthrene		1.155	1.083	6.2	80	0.00
89	T	Anthracene		1.131	1.056	6.6	78	0.00
90	T	Carbazole		1.025	0.968	5.6	78	0.00
91	T	Di-n-butylphthalate		1.175	0.965	17.9	71	0.00
92	T	Fluoranthene		1.297	1.157	10.8	74	0.00
93	T	Benzidine	*	5.000	4.264	14.7	66	0.00
94	T	Pyrene		1.339	1.213	9.4	75	0.00
95	S	4-Terphenyl-d14		0.807	0.683	15.4	70	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2035276	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: SV112		**Calibration Date**	: 08/31/20 12:29	
Lab File ID	: ABN0831		**Init. Calib. Date(s)**	: 06/16/20	06/16/20
Sample No	: WG1404875-3		**Init. Calib. Times**	: 07:41	19:40
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
n-Nitrosodimethylamine	0.874	0.969	-	-10.9	20	112	0
Pyridine	1.439	1.628	-	-13.1	20	114	0
2-Fluorophenol	1.244	1.317	-	-5.9	20	107	0
Aniline	2.24	2.3	-	-2.7	20	103	0
2-Chlorophenol	1.42	1.404	-	1.1	20	98	0
Phenol-d6	1.571	1.697	-	-8	20	107	0
Phenol	1.925	1.893	-	1.7	20	97	0
Bis(2-chloroethyl)ether	1.388	1.465	-	-5.5	20	107	0
1,3-Dichlorobenzene	1.559	1.499	-	3.8	20	97	0
1,4-Dichlorobenzene	1.6	1.534	-	4.1	20	97	0
1,2-Dichlorobenzene	1.534	1.471	-	4.1	20	97	0
Benzyl alcohol	1.134	1.308	-	-15.3	20	112	0
Bis(2-chloroisopropyl)ethe	2.066	2.634	-	-27.5*	20	128	0
2-Methylphenol	1.293	1.389	-	-7.4	20	106	0
Hexachloroethane	0.617	0.638	-	-3.4	20	103	0
n-Nitrosodi-n-propylamine	1.085	1.208	-	-11.3	20	109	0
3-Methylphenol/4-Methylphe	1.38	1.465	-	-6.2	20	105	0
Nitrobenzene-d5	1.335	1.647	-	-23.4*	20	116	0
Nitrobenzene	1.459	1.731	-	-18.6	20	112	0
Isophorone	2.877	3.146	-	-9.4	20	106	0
2-Nitrophenol	0.653	0.777	-	-19	20	115	0
2,4-Dimethylphenol	1.253	1.343	-	-7.2	20	103	0
Bis(2-chloroethoxy)methane	1.851	1.915	-	-3.5	20	102	0
2,4-Dichlorophenol	1.188	1.159	-	2.4	20	94	0
1,2,4-Trichlorobenzene	1.279	1.171	-	8.4	20	90	0
IS1_Naphthalene-d8	1	1	-	0	20	105	0
Naphthalene	1.071	1.031	-	3.7	20	99	0
Benzoic Acid	0.263	0.276	-	-4.9	20	105	0
4-Chloroaniline	0.139	0.162	-	-16.5	20	118	0
Hexachlorobutadiene	0.163	0.147	-	9.8	20	93	0
p-Chloro-m-cresol	0.307	0.325	-	-5.9	20	104	0
2-Methylnaphthalene	0.722	0.686	-	5	20	96	0
1-Methylnaphthalene	0.248	0.25	-	-0.8	20	102	0
Hexachlorocyclopentadiene	0.191	0.149	-	22*	20	82	0
2,4,6-Trichlorophenol	0.202	0.191	-	5.4	20	92	0
2,4,5-Trichlorophenol	0.216	0.202	-	6.5	20	91	0
2-Fluorobiphenyl	0.731	0.667	-	8.8	20	93	0
2-Chloronaphthalene	0.672	0.62	-	7.7	20	93	0
2-Nitroaniline	0.209	0.229	-	-9.6	20	107	0
1,4-Dinitrobenzene	50	53.98	-	-8	20	120	0
1,3-Dinitrobenzene	50	48.938	-	2.1	20	105	0
Dimethyl phthalate	0.819	0.736	-	10.1	20	90	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2035276	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: BUFFY		**Calibration Date**	: 08/31/20 22:07	
Lab File ID	: ABN0831N		**Init. Calib. Date(s)**	: 05/19/20	05/20/20
Sample No	: WG1405009-3		**Init. Calib. Times**	: 21:18	09:38
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
n-Nitrosodimethylamine	0.683	0.697	-	-2	20	117	0
Pyridine	1.283	1.135	-	11.5	20	102	0
2-Fluorophenol	1.066	1.185	-	-11.2	20	124	0
Aniline	1.654	1.991	-	-20.4*	20	138	0
2-Chlorophenol	1.307	1.493	-	-14.2	20	134	0
Phenol-d6	1.264	1.47	-	-16.3	20	135	0
Phenol	1.392	1.714	-	-23.1*	20	145	0
Bis(2-chloroethyl)ether	1.051	1.175	-	-11.8	20	135	0
1,3-Dichlorobenzene	1.494	1.588	-	-6.3	20	128	0
1,4-Dichlorobenzene	1.562	1.619	-	-3.6	20	128	0
1,2-Dichlorobenzene	1.469	1.546	-	-5.2	20	128	0
Benzyl alcohol	0.801	1.036	-	-29.3*	20	146	0
Bis(2-chloroisopropyl)ethe	1.765	1.841	-	-4.3	20	125	0
2-Methylphenol	1.063	1.211	-	-13.9	20	135	0
Hexachloroethane	0.621	0.605	-	2.6	20	123	0
n-Nitrosodi-n-propylamine	0.773	0.903	-	-16.8	20	139	0
3-Methylphenol/4-Methylphe	1.069	1.27	-	-18.8	20	135	0
Nitrobenzene-d5	1.064	1.35	-	-26.9*	20	144	0
Nitrobenzene	1.065	1.356	-	-27.3*	20	143	0
Isophorone	2.178	2.431	-	-11.6	20	139	0
2-Nitrophenol	0.661	0.814	-	-23.1*	20	145	0
2,4-Dimethylphenol	1.099	1.202	-	-9.4	20	134	0
Bis(2-chloroethoxy)methane	1.338	1.571	-	-17.4	20	139	0
2,4-Dichlorophenol	1.092	1.217	-	-11.4	20	130	0
1,2,4-Trichlorobenzene	1.27	1.339	-	-5.4	20	129	0
IS1_Naphthalene-d8	1	1	-	0	20	137	0
Naphthalene	1.015	1.014	-	0.1	20	132	0
Benzoic Acid	50	52.458	-	-4.9	20	149	0
4-Chloroaniline	0.102	0.113	-	-10.8	20	138	0
Hexachlorobutadiene	0.184	0.177	-	3.8	20	128	0
p-Chloro-m-cresol	0.259	0.295	-	-13.9	20	142	0
2-Methylnaphthalene	0.632	0.716	-	-13.3	20	143	0
1-Methylnaphthalene	0.211	0.218	-	-3.3	20	142	0
Hexachlorocyclopentadiene	0.222	0.229	-	-3.2	20	139	0
2,4,6-Trichlorophenol	0.197	0.23	-	-16.8	20	146	0
2,4,5-Trichlorophenol	0.24	0.247	-	-2.9	20	136	0
2-Fluorobiphenyl	0.7	0.736	-	-5.1	20	135	0
2-Chloronaphthalene	0.654	0.68	-	-4	20	135	0
2-Nitroaniline	0.229	0.252	-	-10	20	143	0
1,4-Dinitrobenzene	0.087	0.11	-	-26.4*	20	169	0
1,3-Dinitrobenzene	0.1	0.124	-	-24*	20	164	0
Dimethyl phthalate	0.784	0.827	-	-5.5	20	142	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2035276	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: BUFFY		**Calibration Date**	: 08/31/20 22:30	
Lab File ID	: AP90831N		**Init. Calib. Date(s)**	: 05/19/20	05/20/20
Sample No	: WG1405009-4		**Init. Calib. Times**	: 21:18	09:38
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	125	0
Benzaldehyde	1.033	1.212	-	-17.3	20	136	0
Acetophenone	1.655	2.046	-	-23.6*	20	140	0
m-Toluidine	1.729	2.057	-	-19	20	133	0
2-Chloroaniline	1.744	1.972	-	-13.1	20	131	0
IS2_Naphthalene-d8	1	1	-	0	20	133	0
a-Terpineol	0.272	0.278	-	-2.2	20	131	0
3-Chloroaniline	0.12	0.135	-	-12.5	20	135	0
2,6-Dichlorophenol	0.308	0.311	-	-1	20	123	0
1-chloro-2-nitrobenzene	0.135	0.151	-	-11.9	20	134	0
Caprolactam	0.166	0.164	-	1.2	20	123	0
1,2,4,5-Tetrachlorobenzene	0.346	0.34	-	1.7	20	122	0
Biphenyl	0.832	0.87	-	-4.6	20	128	0
IS2_Acenaphthene-d10	1	1	-	0	20	132	0
Dichloran	0.202	0.221	-	-9.4	20	131	0
Pentachloronitrobenzene	0.181	0.184	-	-1.7	20	120	0
IS2_Phenanthrene-d10	1	1	-	0	20	124	0
Diphenamid	0.511	0.578	-	-13.1	20	131	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2035276	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: BUFFY		**Calibration Date**	: 08/31/20 22:53	
Lab File ID	: ADP0831N		**Init. Calib. Date(s)**	: 05/19/20	05/20/20
Sample No	: WG1405009-5		**Init. Calib. Times**	: 21:18	09:38
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	117	0
1,4-Dioxane	0.556	0.368	-	33.8*	20	85	0
n-Decane	1.154	1.209	-	-4.8	20	116	0
IS3_Acenaphthene-d10	1	1	-	0	20	123	0
Atrazine	0.377	0.393	-	-4.2	20	116	0
IS3_Phenanthrene-d10	1	1	-	0	20	115	0
n-Octadecane	0.348	0.429	-	-23.3*	20	130	0
Parathion	50	49.048	-	1.9	20	129	0
3,3'-Dimethylbenzidine	0.82	0.886	-	-8	20	112	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276		
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00		
Instrument ID	: JULIET	**Calibration Date**	: 09/02/20 05:36		
Lab File ID	: ABN0901NA	**Init. Calib. Date(s)**	: 06/12/20	06/13/20	
Sample No	: WG1405536-3	**Init. Calib. Times**	: 13:49	03:28	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	86	-.02
n-Nitrosodimethylamine	0.681	0.751	-	-10.3	20	91	-.02
Pyridine	1.18	1.303	-	-10.4	20	89	-.02
2-Fluorophenol	1.109	1.112	-	-0.3	20	82	-.02
Aniline	1.88	1.911	-	-1.6	20	85	-.02
2-Chlorophenol	1.35	1.318	-	2.4	20	80	-.02
Phenol-d6	1.383	1.41	-	-2	20	83	-.02
Phenol	1.612	1.668	-	-3.5	20	85	-.02
Bis(2-chloroethyl)ether	1.083	1.092	-	-0.8	20	83	-.02
1,3-Dichlorobenzene	1.531	1.44	-	5.9	20	79	-.02
1,4-Dichlorobenzene	1.542	1.456	-	5.6	20	78	-.02
1,2-Dichlorobenzene	1.468	1.412	-	3.8	20	80	-.02
Benzyl alcohol	0.955	1.034	-	-8.3	20	84	-.02
Bis(2-chloroisopropyl)ethe	2.402	2.564	-	-6.7	20	88	-.02
2-Methylphenol	1.157	1.166	-	-0.8	20	82	-.02
Hexachloroethane	0.522	0.533	-	-2.1	20	82	-.02
n-Nitrosodi-n-propylamine	0.891	0.957	-	-7.4	20	87	-.02
3-Methylphenol/4-Methylphe	1.212	1.223	-	-0.9	20	79	-.02
Nitrobenzene-d5	1.232	1.301	-	-5.6	20	84	-.02
Nitrobenzene	1.265	1.346	-	-6.4	20	86	-.02
Isophorone	2.315	2.396	-	-3.5	20	84	-.02
2-Nitrophenol	0.715	0.698	-	2.4	20	76	-.02
2,4-Dimethylphenol	1.182	1.204	-	-1.9	20	83	-.02
Bis(2-chloroethoxy)methane	1.464	1.47	-	-0.4	20	79	-.02
2,4-Dichlorophenol	1.161	1.157	-	0.3	20	78	-.02
1,2,4-Trichlorobenzene	1.303	1.276	-	2.1	20	79	-.02
IS1_Naphthalene-d8	1	1	-	0	20	88	-.02
Naphthalene	0.999	0.9	-	9.9	20	77	-.02
Benzoic Acid	0.259	0.181	-	30.1*	20	58	-.02
4-Chloroaniline	0.115	0.128	-	-11.3	20	93	-.02
Hexachlorobutadiene	0.182	0.17	-	6.6	20	79	-.02
p-Chloro-m-cresol	0.279	0.262	-	6.1	20	78	-.02
2-Methylnaphthalene	0.698	0.65	-	6.9	20	79	-.02
1-Methylnaphthalene	0.21	0.199	-	5.2	20	81	-.02
Hexachlorocyclopentadiene	0.224	0.2	-	10.7	20	71	-.02
2,4,6-Trichlorophenol	0.232	0.215	-	7.3	20	80	-.02
2,4,5-Trichlorophenol	0.246	0.226	-	8.1	20	76	-.02
2-Fluorobiphenyl	0.748	0.693	-	7.4	20	80	-.02
2-Chloronaphthalene	0.678	0.631	-	6.9	20	79	-.02
2-Nitroaniline	0.226	0.21	-	7.1	20	76	-.02
1,4-Dinitrobenzene	0.098	0.096	-	2	20	78	-.02
1,3-Dinitrobenzene	0.112	0.112	-	0	20	82	-.02
Dimethyl phthalate	0.805	0.735	-	8.7	20	78	-.02

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2035276	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: SV103		**Calibration Date**	: 09/02/20 07:55	
Lab File ID	: ABN0902A		**Init. Calib. Date(s)**	: 08/03/20	08/04/20
Sample No	: WG1405594-3		**Init. Calib. Times**	: 13:10	02:07
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.077	0.948	-	12	20	72	0
2,6-Dinitrotoluene	0.18	0.162	-	10	20	71	0
1,2-Dinitrobenzene	0.079	0.072	-	8.9	20	73	0
IS1_Acenaphthene-d10	1	1	-	0	20	79	0
3-Nitroaniline	0.384	0.334	-	13	20	69	0
Acenaphthene	1.172	1.02	-	13	20	73	0
2,4-Dinitrophenol	50	37.316	-	25.4*	20	62	0
Dibenzofuran	1.781	1.51	-	15.2	20	71	0
2,4-Dinitrotoluene	0.455	0.396	-	13	20	69	0
4-Nitrophenol	0.407	0.39	-	4.2	20	77	0
2,3,5,6-Tetrachlorophenol	0.338	0.293	-	13.3	20	68	0
2,3,4,6-Tetrachlorophenol	0.343	0.292	-	14.9	20	69	0
Diethyl phthalate	1.685	1.465	-	13.1	20	71	0
Fluorene	1.466	1.286	-	12.3	20	73	0
4-Chlorophenyl phenyl ethe	0.659	0.555	-	15.8	20	69	0
4-Nitroaniline	0.383	0.34	-	11.2	20	69	0
4,6-Dinitro-o-cresol	0.274	0.235	-	14.2	20	66	0
NDPA/DPA	1.268	1.103	-	13	20	72	0
Azobenzene	1.812	1.61	-	11.1	20	71	0
2,4,6-Tribromophenol	0.192	0.17	-	11.5	20	68	0
4-Bromophenyl phenyl ether	0.375	0.297	-	20.8*	20	67	0
Hexachlorobenzene	0.428	0.364	-	15	20	70	0
Pentachlorophenol	0.269	0.218	-	19	20	61	0
IS1_Phenanthrene-d10	1	1	-	0	20	79	0
Phenanthrene	1.148	0.962	-	16.2	20	70	0
Anthracene	1.152	1.001	-	13.1	20	70	0
Carbazole	1.05	0.903	-	14	20	69	0
Di-n-butylphthalate	1.444	1.24	-	14.1	20	66	0
Fluoranthene	1.236	1.037	-	16.1	20	69	0
Benzidine	0.835	0.762	-	8.7	20	68	0
Pyrene	1.265	1.094	-	13.5	20	72	0
4-Terphenyl-d14	0.857	0.702	-	18.1	20	65	0
Butyl benzyl phthalate	0.652	0.573	-	12.1	20	69	0
IS1_Chrysene-d12	1	1	-	0	20	81	0
Benzo(a)anthracene	1.274	1.047	-	17.8	20	69	0
3,3'-Dichlorobenzidine	0.456	0.398	-	12.7	20	68	0
Chrysene	1.269	1.096	-	13.6	20	72	0
Bis(2-ethylhexyl)phthalate	1.07	0.894	-	16.4	20	64	0
Di-n-octylphthalate	1.847	1.54	-	16.6	20	64	0
Benzo(b)fluoranthene	1.171	1.02	-	12.9	20	71	0
Benzo(k)fluoranthene	1.198	1.062	-	11.4	20	71	0
Benzo(a)pyrene	1.065	0.97	-	8.9	20	72	0
IS1_Perylene-d12	1	1	-	0	20	82	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2035276	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: SV112		**Calibration Date**	: 09/02/20 08:02	
Lab File ID	: ABN0902		**Init. Calib. Date(s)**	: 06/16/20	06/16/20
Sample No	: WG1405623-3		**Init. Calib. Times**	: 07:41	19:40
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	74	0
n-Nitrosodimethylamine	0.874	1.003	-	-14.8	20	83	0
Pyridine	1.439	1.695	-	-17.8	20	86	0
2-Fluorophenol	1.244	1.348	-	-8.4	20	78	0
Aniline	2.24	2.391	-	-6.7	20	77	0
2-Chlorophenol	1.42	1.458	-	-2.7	20	73	0
Phenol-d6	1.571	1.726	-	-9.9	20	78	0
Phenol	1.925	1.939	-	-0.7	20	71	0
Bis(2-chloroethyl)ether	1.388	1.492	-	-7.5	20	78	0
1,3-Dichlorobenzene	1.559	1.527	-	2.1	20	71	0
1,4-Dichlorobenzene	1.6	1.57	-	1.9	20	72	0
1,2-Dichlorobenzene	1.534	1.502	-	2.1	20	71	0
Benzyl alcohol	1.134	1.357	-	-19.7	20	84	0
Bis(2-chloroisopropyl)ethe	2.066	2.731	-	-32.2*	20	95	0
2-Methylphenol	1.293	1.433	-	-10.8	20	79	0
Hexachloroethane	0.617	0.644	-	-4.4	20	75	0
n-Nitrosodi-n-propylamine	1.085	1.25	-	-15.2	20	81	0
3-Methylphenol/4-Methylphe	1.38	1.503	-	-8.9	20	77	0
Nitrobenzene-d5	1.335	1.7	-	-27.3*	20	86	0
Nitrobenzene	1.459	1.793	-	-22.9*	20	83	0
Isophorone	2.877	3.285	-	-14.2	20	79	0
2-Nitrophenol	0.653	0.807	-	-23.6*	20	86	0
2,4-Dimethylphenol	1.253	1.49	-	-18.9	20	82	0
Bis(2-chloroethoxy)methane	1.851	1.981	-	-7	20	76	0
2,4-Dichlorophenol	1.188	1.215	-	-2.3	20	71	0
1,2,4-Trichlorobenzene	1.279	1.221	-	4.5	20	68	0
IS1_Naphthalene-d8	1	1	-	0	20	79	0
Naphthalene	1.071	1.011	-	5.6	20	73	0
Benzoic Acid	0.263	0.255	-	3	20	74	0
4-Chloroaniline	0.139	0.163	-	-17.3	20	90	0
Hexachlorobutadiene	0.163	0.143	-	12.3	20	69	0
p-Chloro-m-cresol	0.307	0.322	-	-4.9	20	78	0
2-Methylnaphthalene	0.722	0.685	-	5.1	20	73	0
1-Methylnaphthalene	0.248	0.249	-	-0.4	20	77	0
Hexachlorocyclopentadiene	0.191	0.153	-	19.9	20	64	0
2,4,6-Trichlorophenol	0.202	0.186	-	7.9	20	68	0
2,4,5-Trichlorophenol	0.216	0.203	-	6	20	69	0
2-Fluorobiphenyl	0.731	0.659	-	9.8	20	70	0
2-Chloronaphthalene	0.672	0.605	-	10	20	69	0
2-Nitroaniline	0.209	0.229	-	-9.6	20	81	0
1,4-Dinitrobenzene	50	54.854	-	-9.7	20	93	0
1,3-Dinitrobenzene	50	49.64	-	0.7	20	81	0
Dimethyl phthalate	0.819	0.75	-	8.4	20	70	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2035276	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: SV112		**Calibration Date**	: 09/02/20 08:02	
Lab File ID	: ABN0902		**Init. Calib. Date(s)**	: 06/16/20	06/16/20
Sample No	: WG1405623-3		**Init. Calib. Times**	: 07:41	19:40
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.072	1.021	-	4.8	20	71	0
2,6-Dinitrotoluene	50	46.57	-	6.9	20	74	0
1,2-Dinitrobenzene	0.065	0.071	-	-9.2	20	74	0
IS1_Acenaphthene-d10	1	1	-	0	20	83	0
3-Nitroaniline	0.346	0.367	-	-6.1	20	79	0
Acenaphthene	1.183	1.052	-	11.1	20	71	0
2,4-Dinitrophenol	50	54.989	-	-10	20	100	0
Dibenzofuran	1.83	1.594	-	12.9	20	69	0
2,4-Dinitrotoluene	50	45.065	-	9.9	20	75	0
4-Nitrophenol	0.28	0.343	-	-22.5*	20	92	0
2,3,5,6-Tetrachlorophenol	0.319	0.275	-	13.8	20	66	0
2,3,4,6-Tetrachlorophenol	0.327	0.272	-	16.8	20	65	0
Diethyl phthalate	1.588	1.401	-	11.8	20	69	0
Fluorene	1.443	1.283	-	11.1	20	70	0
4-Chlorophenyl phenyl ethe	0.655	0.555	-	15.3	20	68	0
4-Nitroaniline	0.346	0.363	-	-4.9	20	78	0
4,6-Dinitro-o-cresol	50	54.729	-	-9.5	20	98	0
NDPA/DPA	1.231	1.106	-	10.2	20	71	0
Azobenzene	1.657	1.663	-	-0.4	20	79	0
2,4,6-Tribromophenol	0.204	0.161	-	21.1*	20	61	0
4-Bromophenyl phenyl ether	0.375	0.31	-	17.3	20	67	0
Hexachlorobenzene	0.446	0.347	-	22.2*	20	63	0
Pentachlorophenol	0.257	0.191	-	25.7*	20	57	0
IS1_Phenanthrene-d10	1	1	-	0	20	82	0
Phenanthrene	1.146	1.004	-	12.4	20	70	0
Anthracene	1.139	1.042	-	8.5	20	71	0
Carbazole	1.086	0.984	-	9.4	20	70	0
Di-n-butylphthalate	1.423	1.312	-	7.8	20	69	0
Fluoranthene	1.233	1.097	-	11	20	70	0
Benzidine	0.769	0.813	-	-5.7	20	79	0
Pyrene	1.252	1.12	-	10.5	20	70	0
4-Terphenyl-d14	0.851	0.723	-	15	20	65	0
Butyl benzyl phthalate	0.63	0.584	-	7.3	20	72	0
IS1_Chrysene-d12	1	1	-	0	20	82	0
Benzo(a)anthracene	1.28	1.122	-	12.3	20	67	0
3,3'-Dichlorobenzidine	0.483	0.451	-	6.6	20	69	0
Chrysene	1.21	1.049	-	13.3	20	69	0
Bis(2-ethylhexyl)phthalate	1.018	0.947	-	7	20	66	0
Di-n-octylphthalate	1.787	1.631	-	8.7	20	69	0
Benzo(b)fluoranthene	1.213	1.068	-	12	20	70	0
Benzo(k)fluoranthene	1.195	1.023	-	14.4	20	65	0
Benzo(a)pyrene	1.085	0.967	-	10.9	20	68	0
IS1_Perylene-d12	1	1	-	0	20	81	0

* Value outside of QC limits.

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-13	Date Collected	: 08/26/20 16:00
Client ID	: 20200826EB	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/02/20 20:26
Sample Matrix	: Equipment Blank	Date Extracted	: 08/31/20
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: 35276-13	Analyst	: CB
Sample Amount	: 275 ml	Instrument ID	: SV128
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.02	0.10	0.02	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	0.05	0.10	0.05	J
56-55-3	Benzo(a)anthracene	0.09	0.10	0.02	J
50-32-8	Benzo(a)pyrene	0.09	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.17	0.10	0.01	
207-08-9	Benzo(k)fluoranthene	0.12	0.10	0.01	
218-01-9	Chrysene	0.12	0.10	0.01	
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	0.14	0.10	0.01	
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	0.14	0.10	0.01	
193-39-5	Indeno(1,2,3-cd)pyrene	0.15	0.10	0.01	
129-00-0	Pyrene	0.02	0.10	0.02	J
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405864-1	**Date Collected**	: NA
Client ID	: WG1405864-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/03/20 15:41
Sample Matrix	: WATER	**Date Extracted**	: 09/02/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: 405864-1	**Analyst**	: JJW
Sample Amount	: 275 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	0.04	0.10	0.02	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

Results Summary
Form 1
1,4 Dioxane by 8270D-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-13	**Date Collected**	: 08/26/20 16:00
Client ID	: 20200826EB	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 02:31
Sample Matrix	: Equipment Blank	**Date Extracted**	: 08/31/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: F2209012036	**Analyst**	: PS
Sample Amount	: 280 ml	**Instrument ID**	: PAH22
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	0.134	0.0303	U

Results Summary
Form 1
1,4 Dioxane by 8270D-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1404980-1	**Date Collected**	: NA
Client ID	: WG1404980-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/01/20 16:30
Sample Matrix	: WATER	**Date Extracted**	: 08/31/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: F2209012006	**Analyst**	: PS
Sample Amount	: 250 ml	**Instrument ID**	: PAH22
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	0.150	0.0339	U

Surrogate (Extracted Internal Standard) Recovery Summary
Form 2
Semivolatiles

Client: GZA GeoEnvironmental, Inc.
Project Name: 100 UNION AVE

Lab Number: L2035276
Project Number: 12.0076932.00
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S15 ()	S16 ()	S17 ()	S18 ()	S19 ()	S20 ()	S21 ()	TOT OUT
20200826FB (L2035276-14)	28	63	91	77	--	--	--	0
WG1406137-1BLANK	23	84	87	81	--	--	--	0
WG1406137-2LCS	29	75	92	78	--	--	--	0
WG1406137-3LCSD	31	80	94	83	--	--	--	0

QC LIMITS

(1-87) S15 = PERFLUORO[13C8]OCTANESULFONAMIDE (M8FOSA)
(23-146) S16 = N-DEUTERIOETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D5-NETFOSAA)
(24-161) S17 = PERFLUORO[1,2-13C2]DODECANOIC ACID (MPFDOA)
(33-143) S18 = PERFLUORO[1,2-13C2]TETRADECANOIC ACID (M2PFTEDA)

*** Values outside of QC limits**

FORM II A2-NY-537-ISOTOPE (Continued)

Surrogate (Extracted Internal Standard) Recovery Summary
Form 2
Semivolatiles

Client: GZA GeoEnvironmental, Inc.
Project Name: 100 UNION AVE

Lab Number: L2035276
Project Number: 12.0076932.00
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	S8 ()	S9 ()	S10 ()	S11 ()	S12 ()	S13 ()	S14 ()
SP-10 (9.5-10') (L2035276-11)	92	85	86	81	94	31*	80
20200826DUP (L2035276-12)	94	90	90	85	96	34*	87
WG1404895-1BLANK	122	105	114	103	142	87	108
WG1404895-2LCS	126	105	113	102	138	92	107
WG1404895-3LCSD	128	110	114	104	132	91	107

QC LIMITS

(32-182) S8 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]OCTANESULFONIC ACID (M2-6:2FTS)
(61-154) S9 = PERFLUORO[13C9]NONANOIC ACID (M9PFNA)
(65-151) S10 = PERFLUORO[13C8]OCTANESULFONIC ACID (M8PFOS)
(65-150) S11 = PERFLUORO[1,2,3,4,5,6-13C6]DECANOIC ACID (M6PFDA)
(25-186) S12 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]DECANESULFONIC ACID (M2-8:2FTS)
(45-137) S13 = N-DEUTERIOMETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D3-NMEFOSAA)
(45-137) S14 = PERFLUORO[1,2,3,4,5,6,7-13C7]UNDECANOIC ACID (M7-PFUDA)

*** Values outside of QC limits**

Surrogate (Extracted Internal Standard) Recovery Summary
Form 2
Semivolatiles

Client: GZA GeoEnvironmental, Inc.
Project Name: 100 UNION AVE

Lab Number: L2035276
Project Number: 12.0076932.00
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	S15 ()	S16 ()	S17 ()	S18 ()	S19 ()	S20 ()	S21 ()	TOT OUT
SP-10 (9.5-10') (L2035276-11)	23	29*	74	19*	--	--	--	3
20200826DUP (L2035276-12)	12	37*	80	32	--	--	--	2
WG1404895-1BLANK	10	101	105	85	--	--	--	0
WG1404895-2LCS	6	97	105	84	--	--	--	0
WG1404895-3LCSD	12	94	107	84	--	--	--	0

QC LIMITS

(1-125) S15 = PERFLUORO[13C8]OCTANESULFONAMIDE (M8FOSA)
(42-136) S16 = N-DEUTERIOETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D5-NETFOSAA)
(56-148) S17 = PERFLUORO[1,2-13C2]DODECANOIC ACID (MPFDOA)
(26-160) S18 = PERFLUORO[1,2-13C2]TETRADECANOIC ACID (M2PFTEDA)

* Values outside of QC limits

FORM II A2-NY-537-ISOTOPE (Continued)

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-11	Date Collected	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 19:29
Sample Matrix	: SOIL	Date Extracted	: 08/31/20
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I28197	Analyst	: SG
Sample Amount	: 4.46 g	Instrument ID	: LCMS02
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 2000 uL	%Solids	: 90
GPC Cleanup	: N	Injection Volume	: 3 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	0.501	0.023	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	0.093	0.501	0.046	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	0.501	0.039	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	0.083	0.501	0.053	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	0.501	0.045	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	0.501	0.061	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	0.501	0.042	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	0.501	0.180	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	0.501	0.137	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	0.501	0.075	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	0.501	0.130	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	0.501	0.067	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	0.501	0.288	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	0.501	0.202	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	0.501	0.047	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	0.501	0.153	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	0.501	0.098	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	0.501	0.085	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-11	**Date Collected**	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 19:29
Sample Matrix	: SOIL	**Date Extracted**	: 08/31/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I28197	**Analyst**	: SG
Sample Amount	: 4.46 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 2000 uL	**%Solids**	: 90
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	0.501	0.070	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	0.501	0.205	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	0.501	0.054	U
NONE	PFOA/PFOS, Total	ND	0.501	0.042	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-12	Date Collected	: 08/26/20 15:18
Client ID	: 20200826DUP	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 19:45
Sample Matrix	: SOIL	Date Extracted	: 08/31/20
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I28198	Analyst	: SG
Sample Amount	: 4.37 g	Instrument ID	: LCMS02
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 2000 uL	%Solids	: 87
GPC Cleanup	: N	Injection Volume	: 3 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	0.524	0.024	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	0.10	0.524	0.048	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	0.524	0.041	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	0.079	0.524	0.055	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	0.524	0.047	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	0.524	0.063	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	0.524	0.044	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	0.524	0.188	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	0.524	0.143	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	0.524	0.079	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	0.524	0.136	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	0.524	0.070	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	0.524	0.300	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	0.524	0.211	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	0.524	0.049	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	0.524	0.160	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	0.524	0.103	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	0.524	0.089	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-12	**Date Collected**	: 08/26/20 15:18
Client ID	: 20200826DUP	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 19:45
Sample Matrix	: SOIL	**Date Extracted**	: 08/31/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I28198	**Analyst**	: SG
Sample Amount	: 4.37 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 2000 uL	**%Solids**	: 87
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	0.524	0.073	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	0.524	0.214	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	0.524	0.057	U
NONE	PFOA/PFOS, Total	ND	0.524	0.044	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-14	Date Collected	: 08/26/20 16:00
Client ID	: 20200826FB	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/05/20 12:36
Sample Matrix	: WATER	Date Extracted	: 09/04/20
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I25973	Analyst	: SG
Sample Amount	: 259.98 g	Instrument ID	: LCMS01
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	1.92	0.392	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	1.92	0.381	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.92	0.229	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	0.315	1.92	0.315	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.92	0.216	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.92	0.362	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.92	0.227	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.92	1.28	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.92	0.662	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.92	0.300	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.92	0.485	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.92	0.292	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.92	1.16	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.92	0.623	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.92	0.250	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.92	0.942	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.92	0.558	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.92	0.773	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-14	**Date Collected**	: 08/26/20 16:00
Client ID	: 20200826FB	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/05/20 12:36
Sample Matrix	: WATER	**Date Extracted**	: 09/04/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I25973	**Analyst**	: SG
Sample Amount	: 259.98 g	**Instrument ID**	: LCMS01
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.92	0.358	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.92	0.315	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.92	0.238	U
NONE	PFOA/PFOS, Total	ND	1.92	0.227	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1404895-1	Date Collected	: NA
Client ID	: WG1404895-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/01/20 18:23
Sample Matrix	: SOIL	Date Extracted	: 08/31/20
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I28193	Analyst	: SG
Sample Amount	: 4 g	Instrument ID	: LCMS02
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 2000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 3 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	0.500	0.023	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	0.500	0.046	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	0.500	0.039	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	0.500	0.053	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	0.500	0.045	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	0.500	0.061	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	0.500	0.042	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	0.500	0.180	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	0.500	0.136	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	0.500	0.075	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	0.500	0.130	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	0.500	0.067	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	0.500	0.287	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	0.500	0.202	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	0.500	0.047	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	0.500	0.153	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	0.500	0.098	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	0.500	0.085	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1404895-1	**Date Collected**	: NA
Client ID	: WG1404895-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/01/20 18:23
Sample Matrix	: SOIL	**Date Extracted**	: 08/31/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I28193	**Analyst**	: SG
Sample Amount	: 4 g	**Instrument ID**	: LCMS02
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 2000 uL	**%Solids**	: NA
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	0.500	0.070	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	0.500	0.204	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	0.500	0.054	U
NONE	PFOA/PFOS, Total	ND	0.500	0.042	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1406137-1	Date Collected	: NA
Client ID	: WG1406137-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/05/20 11:47
Sample Matrix	: WATER	Date Extracted	: 09/03/20
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I25970	Analyst	: SG
Sample Amount	: 250 g	Instrument ID	: LCMS01
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	2.00	0.408	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	2.00	0.396	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	2.00	0.238	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	2.00	0.328	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	2.00	0.225	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	2.00	0.376	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	2.00	0.236	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	2.00	1.33	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	2.00	0.688	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	2.00	0.312	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	2.00	0.504	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	2.00	0.304	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	2.00	1.21	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	2.00	0.648	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	2.00	0.260	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	2.00	0.980	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	2.00	0.580	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	2.00	0.804	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1406137-1	**Date Collected**	: NA
Client ID	: WG1406137-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/05/20 11:47
Sample Matrix	: WATER	**Date Extracted**	: 09/03/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I25970	**Analyst**	: SG
Sample Amount	: 250 g	**Instrument ID**	: LCMS01
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	2.00	0.372	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	2.00	0.327	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	2.00	0.248	U
NONE	PFOA/PFOS, Total	ND	2.00	0.236	U

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\200819_537ISO.PRO\Data\wg1400515ICV.qld
Last Altered: Thursday, August 20, 2020 09:35:23 Eastern Daylight Time
Printed: Thursday, August 20, 2020 09:36:25 Eastern Daylight Time

ID: CA2-537STD010
Name: I25147
Date: 19-Aug-2020
Time: 20:39:50
Description: WG1400515,,537ISO_ICV_200521
Instrument: XEVO-TQSmicro#QEA0276
User: LCMS01:RS
Inlet Method Name: C:\MassLynx\Data\2020\200819_537ISO.PRO\ACQUDB\LCMS_537_ISO_MeOH
Tune Method Name: C:\MassLynx\Data\2020\200819_537ISO.PRO\ACQUDB\200512_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\200819_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.93	573.096 > 418.987	5807		8.461		na	84.6
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.93	570.053 > 418.917	6259		10.436	4.25	NO	137.3
43	NMeFOSAA	2355-31-9		570.053 > 418.917	6259		10.436		na	
44	PFUnA	2058-94-8	11.07	562.989 > 518.903	43106		9.890	5.02	NO	98.9
45	M7-PFUDA	INT STD	11.07	570.053 > 524.923	44117		10.249		na	102.5
46	PFDS	335-77-3	11.08	598.926 > 80.314	6850		8.509	1.48	NO	88.2
47	FOSA	754-91-6	11.04	497.989 > 78.245	25408	m7	9.458	285.55	NO	94.6
48	M8FOSA	INT STD	11.03	506.053 > 78.286	24695		9.421		na	94.2
49	d5-NEtFOSAA	INT STD	11.22	589.117 > 418.929	4365		8.291		na	82.9
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.22	583.989 > 418.927	4992		10.501	3.75	NO	135.5
52	NEtFOSAA	2991-50-6		583.989 > 418.927	4992		10.501		na	
53	PFDoA	307-55-1	11.53	612.989 > 568.967	44682		8.606	8.18	NO	86.1
54	MPFDOA	INT STD	11.53	614.989 > 569.92	38644		9.769		na	97.7
55	PFTrDA	72629-94-8	11.94	663.053 > 618.969	51454		9.740	6.88	NO	97.4
56	PFTA	376-06-7	12.29	713.053 > 668.976	41354		10.611	4.59	NO	106.1
57	M2PFTEDA	INT STD	12.29	715.053 > 669.945	37686		9.178		na	91.8
58	M3HFPO-DA	INT STD	7.34	287.02 > 169.022	9374		118.051		na	59.0
59	HFPO-DA	13252-13-6	7.34	285.035 > 169.022	7703		216.323	3.16	NO	108.2
60	ADONA	958445-44-8	8.38	376.926 > 251.005	101321		8.876		na	93.8
61	PFHxDA		12.72	813.053 > 769.005	25679		12.159		na	121.6
62	PFODA		12.90	913.411 > 869.131	12908		10.171		na	101.7
63	M2PFHxDA		12.72	815.372 > 770.158	21748		8.714		na	87.1
64	PFDoS		11.93	699.15 > 79.853	10960		12.176	2.10	NO	121.8
65	10:2FTS		11.55	627.192 > 607.186	3500		10.219		na	106.0
66	9CL-PF3ONS		10.32	530.862 > 350.843	27754		9.126		na	97.9
67	11CL-PFOUdS		11.34	630.862 > 450.854	19018		9.176		na	97.4

all concentration units in (ng/mL)

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\200821_537ISO.PRO\Data\WG1401544ICV.qld
Last Altered: Friday, August 21, 2020 16:19:34 Eastern Daylight Time
Printed: Friday, August 21, 2020 16:19:40 Eastern Daylight Time

ID: CA2-537STD010
Name: I27565
Date: 21-Aug-2020
Time: 16:03:12
Description: WG1401544,,537_ICV_200521
Instrument: XEVO-TQSmicro#QEB0050
User: LCMS02:JW
Inlet Method Name: C:\MassLynx\Data\2020\200821_537ISO.PRO\ACQUDB\LCMS_537_ISO_B
Tune Method Name: C:\MassLynx\Data\2020\200821_537ISO.PRO\ACQUDB\200520_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\200821_537ISO.PRO\ACQUDB\537ISO_M_SPAN2_DOD_TOP_200708.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.83	573.22 > 419.061	8334		8.662		na	86.6
41	br-NMeFOSAA			570.202 > 419.061			ND		YES	
42	L-NMeFOSAA		10.83	570.202 > 419.061	9149		10.910	5.07	NO	143.6
43	NMeFOSAA	2355-31-9		570.202 > 419.061	9149		10.910		na	
44	PFUnA	2058-94-8	10.98	562.989 > 518.903	50254		9.562	5.32	NO	95.6
45	M7-PFUDA	INT STD	10.98	570.053 > 524.923	57266		10.466		na	104.7
46	PFDS	335-77-3	11.00	598.926 > 80.314	9295		11.040	1.52	NO	114.4
47	FOSA	754-91-6	10.91	498.146 > 78.07	30506		9.480	150.98	NO	94.8
48	M8FOSA	INT STD	10.91	506.077 > 78.07	34243		9.516		na	95.2
49	br-NEtFOSAA			584.229 > 419.061			ND		YES	
50	L-NEtFOSAA		11.13	584.229 > 419.061	6271		9.486	3.65	NO	122.4
51	NEtFOSAA	2991-50-6		584.229 > 419.061	6271		9.486		na	
52	d5-NEtFOSAA	INT STD	11.12	589.259 > 419.061	7171		8.995		na	90.0
53	PFDoA	307-55-1	11.45	612.989 > 568.967	63228		9.679	9.52	NO	96.8
54	MPFDOA	INT STD	11.45	614.989 > 569.92	60725		10.139		na	101.4
55	PFTrDA	72629-94-8	11.86	663.053 > 618.969	65789		10.303	9.15	NO	103.0
56	PFTA	376-06-7	12.22	713.053 > 668.976	46875		10.139	5.55	NO	101.4
57	M2PFTEDA	INT STD	12.22	715.094 > 670.092	31639		9.417		na	94.2
58	M3HFPO-DA	INT STD	7.25	287.02 > 169.022	6611		273.209		na	136.6
59	HFPO-DA	13252-13-6	7.25	284.819 > 169.094	4013		160.066	2.02	NO	80.0
60	ADONA	958445-44-8	8.29	376.926 > 251.005	106524		9.382		na	99.2
61	PFHxDA		12.70	813.253 > 769.005	29026		9.780		na	97.8
62	PFODA		12.91	913.411 > 869.131	16257		8.454		na	84.5
63	M2PFHxDA		12.70	815.372 > 770.158	32952		9.575		na	95.8
64	PFDoS		11.85	699.154 > 80.062	12110		12.066		na	120.7
65	10:2FTS		11.46	627.192 > 607.186	3457		12.312		na	127.7
66	9CL-PF3ONS		10.23	530.862 > 350.843	22224		8.489		na	91.1
67	11CL-PFOUdS		11.25	630.862 > 450.854	22243		8.510		na	90.3
68	NMeFOSA		11.52	511.804 > 168.906	3116		7.824	1.40	NO	78.2
69	d3-NMeFOSA		11.51	514.84 > 168.917	45667		100.639		na	91.5
70	NEtFOSA		11.82	525.84 > 168.92	4206		10.488	4.77	NO	104.9
71	d5-NEtFOSA		11.81	530.904 > 168.919	60322		101.808		na	92.6
72	NMeFOSE		11.52	615.862 > 58.9	8149		10.071		na	100.7
73	d7-NMeFOSE		11.51	622.84 > 58.964	23524		111.697		na	101.5
74	NEtFOSE		11.81	629.862 > 58.899	8497		11.360		na	113.6
75	d9-NEtFOSE		11.79	638.734 > 58.964	3948		100.011		na	90.9
76	M3PFPeA		4.91	265.968 > 222.023	49978		10.571		na	105.7
77	M2PFHxA		6.80	314.968 > 270.02	47187		10.602		na	106.0
78	M4PFOA		9.06	416.904 > 372.045	68565		10.935		na	109.3
79	PFPrS	423-41-6	3.37	249.084 > 80.062	15631		11.076		na	120.9
80	PFMPA		3.36	229.032 > 85.006	35317		11.845		na	118.4
81	PFMBA		5.62	279.042 > 85.006	43639		12.273		na	122.7
82	PFEESA		6.31	315.093 > 135.013	70179		10.225		na	114.9

all concentration units in (ng/mL)

Calibration Verification Summary
Form 7
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2035276	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: LCMS02		**Calibration Date**	: 09/01/20 17:59	
Lab File ID	: I28192		**Init. Calib. Date(s)**	: 08/21/20	08/21/20
Sample No	: WG1405389-1		**Init. Calib. Times**	: 13:00	14:40
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.392	0.500	78.5	50-150
Perfluoropentanoic Acid (PFPeA)	0.413	0.500	82.6	50-150
Perfluorobutanesulfonic Acid (PFBS)	0.360	0.440	81.3	50-150
Perfluorohexanoic Acid (PFHxA)	0.462	0.500	92.4	50-150
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.372	0.470	79.5	50-150
Perfluoropentanesulfonic Acid (PFPeS)	0.337	0.470	71.6	50-150
Perfluoroheptanoic Acid (PFHpA)	0.390	0.500	78	50-150
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	0.050	0.086	59	50-150
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	0.281	0.370	76	50-150
Perfluorohexanesulfonic Acid (PFHxS)	0.331	0.460	-	50-150
Perfluorooctanoic Acid-Branched (br-PFOA)			-	50-150
Perfluorooctanoic Acid-Linear (L-PFOA)	0.440		88.1	50-150
Perfluorooctanoic Acid (PFOA)	0.440	0.500	-	50-150
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.384	0.480	80.8	50-150
Perfluoroheptanesulfonic Acid (PFHpS)	0.397	0.480	83.6	50-150
Perfluorononanoic Acid (PFNA)	0.401	0.500	80.1	50-150
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	0.088	0.098	87.8	50-150
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	0.326	0.365	89.2	50-150
Perfluorooctanesulfonic Acid (PFOS)	0.413	0.460	-	50-150
Perfluorodecanoic Acid (PFDA)	0.399	0.500	79.7	50-150
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.185	0.480	38.5*	50-150
Perfluorononanesulfonic Acid (PFNS)	0.387	0.480	80.7	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.361	0.500	-	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)	0.038		31.3*	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	0.324	0.500	85.2	50-150
Perfluoroundecanoic Acid (PFUnA)	0.385	0.500	77	50-150
Perfluorodecanesulfonic Acid (PFDS)	0.387	0.480	80.2	50-150
Perfluorooctanesulfonamide (FOSA)	0.414	0.500	82.9	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.347	0.500	-	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)	0.039		35.1*	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	0.307	0.500	79.2	50-150
Perfluorododecanoic Acid (PFDoA)	0.374	0.500	74.8	50-150
Perfluorotridecanoic Acid (PFTrDA)	0.420	0.500	84	50-150
Perfluorotetradecanoic Acid (PFTA)	0.397	0.500	79.4	50-150
Perfluoro[13C4]Butanoic Acid (MPFBA)	9.657	10.000	96.6	50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	9.753	10.000	97.5	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	9.796	10.000	98	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	9.515	10.000	95.1	50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	9.198	10.000	92	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	9.537	10.000	95.4	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	9.917	10.000	99.2	50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	9.672	10.000	96.7	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	9.654	10.000	96.5	50-150

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2035276	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: LCMS01		**Calibration Date**	: 09/05/20 11:25	
Lab File ID	: I25969		**Init. Calib. Date(s)**	: 08/19/20	08/19/20
Sample No	: WG1407030-1		**Init. Calib. Times**	: 18:10	20:06
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.405	0.500	81.1	50-150
Perfluoropentanoic Acid (PFPeA)	0.459	0.500	91.9	50-150
Perfluorobutanesulfonic Acid (PFBS)	0.376	0.440	85	50-150
Perfluorohexanoic Acid (PFHxA)	0.458	0.500	91.7	50-150
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.375	0.470	80.2	50-150
Perfluoropentanesulfonic Acid (PFPeS)	0.377	0.470	80.1	50-150
Perfluoroheptanoic Acid (PFHpA)	0.394	0.500	78.9	50-150
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	0.071	0.086	83.2	50-150
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	0.328	0.370	88.7	50-150
Perfluorohexanesulfonic Acid (PFHxS)	0.399	0.460	-	50-150
Perfluorooctanoic Acid-Branched (br-PFOA)			-	50-150
Perfluorooctanoic Acid-Linear (L-PFOA)	0.428		85.5	50-150
Perfluorooctanoic Acid (PFOA)	0.428	0.500	-	50-150
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.331	0.480	69.6	50-150
Perfluoroheptanesulfonic Acid (PFHpS)	0.367	0.480	77.3	50-150
Perfluorononanoic Acid (PFNA)	0.418	0.500	83.6	50-150
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	0.104	0.098	106.1	50-150
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	0.328	0.365	89.7	50-150
Perfluorooctanesulfonic Acid (PFOS)	0.432	0.460	-	50-150
Perfluorodecanoic Acid (PFDA)	0.413	0.500	82.6	50-150
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.258	0.480	53.7	50-150
Perfluorononanesulfonic Acid (PFNS)	0.360	0.480	75	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.352	0.500	-	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)	0.073		61.2	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	0.279	0.500	73.3	50-150
Perfluoroundecanoic Acid (PFUnA)	0.374	0.500	74.8	50-150
Perfluorodecanesulfonic Acid (PFDS)	0.296	0.480	61.4	50-150
Perfluorooctanesulfonamide (FOSA)	0.431	0.500	86.2	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.328	0.500	-	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)	0.035		31.4*	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	0.293	0.500	75.6	50-150
Perfluorododecanoic Acid (PFDoA)	0.388	0.500	77.6	50-150
Perfluorotridecanoic Acid (PFTrDA)	0.413	0.500	82.7	50-150
Perfluorotetradecanoic Acid (PFTA)	0.415	0.500	83	50-150
Perfluoro[13C4]Butanoic Acid (MPFBA)	9.957	10.000	99.6	50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	10.088	10.000	100.9	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	10.695	10.000	106.9	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	7.167	10.000	71.7	50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	10.060	10.000	100.6	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	10.417	10.000	104.2	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	9.916	10.000	99.2	50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	10.258	10.000	102.6	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	6.712	10.000	67.1	50-150

* Value outside of QC limits.

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-01	**Date Collected**	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 16:56
Sample Matrix	: SOIL	**Date Extracted**	: 08/31/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22200901a-06	**Analyst**	: JMC
Sample Amount	: 10.17 g	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 87
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	564	35.6	U
93-76-5	2,4,5-T	ND	564	17.5	U
93-72-1	2,4,5-TP (Silvex)	ND	564	15.0	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 17:14
Sample Matrix	: SOIL	**Date Extracted**	: 08/31/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22200901a-07	**Analyst**	: JMC
Sample Amount	: 30.89 g	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 84
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	193	12.2	U
93-76-5	2,4,5-T	ND	193	5.98	U
93-72-1	2,4,5-TP (Silvex)	ND	193	5.13	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-03	**Date Collected**	: 08/26/20 10:20
Client ID	: SP-8 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 17:32
Sample Matrix	: SOIL	**Date Extracted**	: 08/31/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22200901a-08	**Analyst**	: JMC
Sample Amount	: 30.39 g	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 94
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	174	11.0	U
93-76-5	2,4,5-T	ND	174	5.41	U
93-72-1	2,4,5-TP (Silvex)	ND	174	4.64	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-04	**Date Collected**	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 14:08
Sample Matrix	: SOIL	**Date Extracted**	: 09/01/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17200902a-16	**Analyst**	: JMC
Sample Amount	: 30.15 g	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 89
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	186	11.7	U
93-76-5	2,4,5-T	ND	186	5.76	U
93-72-1	2,4,5-TP (Silvex)	ND	186	4.94	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-05	**Date Collected**	: 08/26/20 10:58
Client ID	: SP-8 (9-9.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 14:26
Sample Matrix	: SOIL	**Date Extracted**	: 09/01/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17200902a-17	**Analyst**	: JMC
Sample Amount	: 30.82 g	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 74
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	219	13.8	U
93-76-5	2,4,5-T	ND	219	6.79	U
93-72-1	2,4,5-TP (Silvex)	ND	219	5.82	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-06	**Date Collected**	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 14:45
Sample Matrix	: SOIL	**Date Extracted**	: 09/01/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17200902a-18	**Analyst**	: JMC
Sample Amount	: 30.77 g	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 94
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	173	10.9	U
93-76-5	2,4,5-T	ND	173	5.36	U
93-72-1	2,4,5-TP (Silvex)	ND	173	4.60	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-07	**Date Collected**	: 08/26/20 12:50
Client ID	: SP-9 (6.5-7.0')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 15:03
Sample Matrix	: SOIL	**Date Extracted**	: 09/01/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17200902a-19	**Analyst**	: JMC
Sample Amount	: 30.65 g	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 88
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	186	11.7	U
93-76-5	2,4,5-T	ND	186	5.76	U
93-72-1	2,4,5-TP (Silvex)	ND	186	4.94	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-08	**Date Collected**	: 08/26/20 13:30
Client ID	: MW-2A (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 15:21
Sample Matrix	: SOIL	**Date Extracted**	: 09/01/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17200902a-20	**Analyst**	: JMC
Sample Amount	: 30.85 g	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 81
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	199	12.5	U
93-76-5	2,4,5-T	ND	199	6.17	U
93-72-1	2,4,5-TP (Silvex)	ND	199	5.30	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-09	**Date Collected**	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 15:40
Sample Matrix	: SOIL	**Date Extracted**	: 09/01/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17200902a-21	**Analyst**	: JMC
Sample Amount	: 30.45 g	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 95
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	173	10.9	U
93-76-5	2,4,5-T	ND	173	5.38	U
93-72-1	2,4,5-TP (Silvex)	ND	173	4.61	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-10	**Date Collected**	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/03/20 08:37
Sample Matrix	: SOIL	**Date Extracted**	: 09/02/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17200903a-06	**Analyst**	: SM
Sample Amount	: 30.56 g	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 91
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	180	11.3	U
93-76-5	2,4,5-T	ND	180	5.57	U
93-72-1	2,4,5-TP (Silvex)	ND	180	4.78	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-11	**Date Collected**	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/03/20 08:56
Sample Matrix	: SOIL	**Date Extracted**	: 09/02/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17200903a-07	**Analyst**	: SM
Sample Amount	: 30.56 g	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 90
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	183	11.5	U
93-76-5	2,4,5-T	ND	183	5.67	U
93-72-1	2,4,5-TP (Silvex)	ND	183	4.86	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-12	**Date Collected**	: 08/26/20 15:18
Client ID	: 20200826DUP	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/03/20 09:14
Sample Matrix	: SOIL	**Date Extracted**	: 09/02/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17200903a-08	**Analyst**	: SM
Sample Amount	: 30.48 g	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 87
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	188	11.8	U
93-76-5	2,4,5-T	ND	188	5.82	U
93-72-1	2,4,5-TP (Silvex)	ND	188	4.99	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-13	**Date Collected**	: 08/26/20 16:00
Client ID	: 20200826EB	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 13:39
Sample Matrix	: Equipment Blank	**Date Extracted**	: 09/01/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22200902a-13	**Analyst**	: JMC
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1404724-1	**Date Collected**	: NA
Client ID	: WG1404724-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/01/20 11:21
Sample Matrix	: SOIL	**Date Extracted**	: 08/31/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17200901a-10	**Analyst**	: JMC
Sample Amount	: 30.7 g	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: NA
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	163	10.3	U
93-76-5	2,4,5-T	ND	163	5.05	U
93-72-1	2,4,5-TP (Silvex)	ND	163	4.33	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405065-1	**Date Collected**	: NA
Client ID	: WG1405065-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/02/20 10:22
Sample Matrix	: SOIL	**Date Extracted**	: 09/01/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22200902a-02	**Analyst**	: JMC
Sample Amount	: 30.25 g	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: NA
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	165	10.4	U
93-76-5	2,4,5-T	ND	165	5.12	U
93-72-1	2,4,5-TP (Silvex)	ND	165	4.40	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405163-1	**Date Collected**	: NA
Client ID	: WG1405163-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/02/20 11:52
Sample Matrix	: WATER	**Date Extracted**	: 09/01/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22200902a-07	**Analyst**	: JMC
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405458-1	**Date Collected**	: NA
Client ID	: WG1405458-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/03/20 07:42
Sample Matrix	: SOIL	**Date Extracted**	: 09/02/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17200903a-03	**Analyst**	: SM
Sample Amount	: 30.39 g	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: NA
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	164	10.4	U
93-76-5	2,4,5-T	ND	164	5.10	U
93-72-1	2,4,5-TP (Silvex)	ND	164	4.38	U

Calibration Verification Summary
Form 7
Pesticides

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276	
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00	
Instrument ID	: PEST22	**Calibration Date**	: 09/01/20 14:52	
Lab File ID	: 22200901a-01	**Init. Calib. Date(s)**	: 07/15/20	07/15/20
Sample No	: WG1405360-1	**Init. Calib. Times**	: 11:36	13:06
Channel	: A			

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	0.25	0.25	-	0	15	109	0
Dalapon	0.182	0.209	-	-14.8	15	124	0
DCAA (surrogate)	0.188	0.213	-	-13.3	15	118	0
Dicamba	0.188	0.221	-	-17.6*	15	124	0
MCPP	18.8	19.252	-	-2.4	15	110	0
MCPA	18.6	20.713	-	-11.4	15	118	0
Dichloroprop	0.188	0.222	-	-18.1*	15	123	0
2,4-D	0.188	0.219	-	-16.5*	15	123	0
2,4,5-TP (Silvex)	0.19	0.226	-	-18.9*	15	124	0
2,4,5-T	0.19	0.224	-	-17.9*	15	124	0
2,4-DB	0.192	0.211	-	-9.9	15	117	0
Dinoseb	0.19	0.263	-	-38.4*	15	144	0

* Value outside of QC limits.

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-01	**Date Collected**	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:34
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-15	**Analyst**	: HT
Sample Amount	: 15.24 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: 87
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	37.7	3.34	U
11104-28-2	Aroclor 1221	ND	37.7	3.77	U
11141-16-5	Aroclor 1232	ND	37.7	7.98	U
53469-21-9	Aroclor 1242	ND	37.7	5.08	U
12672-29-6	Aroclor 1248	ND	37.7	5.65	U
11097-69-1	Aroclor 1254	ND	37.7	4.12	U
37324-23-5	Aroclor 1262	ND	37.7	4.78	U
11100-14-4	Aroclor 1268	ND	37.7	3.90	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-01	**Date Collected**	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:34
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-15	**Analyst**	: HT
Sample Amount	: 15.24 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-PesticideII
Extract Volume	: 1000 uL	**%Solids**	: 87
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
11096-82-5	Aroclor 1260	18.5	37.7	6.96	J
1336-36-3	PCBs, Total	18.5	37.7	3.34	J

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:41
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-16	**Analyst**	: HT
Sample Amount	: 15.29 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: 84
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	39.0	3.46	U
11104-28-2	Aroclor 1221	ND	39.0	3.90	U
11141-16-5	Aroclor 1232	ND	39.0	8.26	U
53469-21-9	Aroclor 1242	ND	39.0	5.25	U
12672-29-6	Aroclor 1248	ND	39.0	5.85	U
11097-69-1	Aroclor 1254	ND	39.0	4.26	U
11096-82-5	Aroclor 1260	ND	39.0	7.20	U
37324-23-5	Aroclor 1262	ND	39.0	4.95	U
11100-14-4	Aroclor 1268	ND	39.0	4.04	U
1336-36-3	PCBs, Total	ND	39.0	3.46	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-03	**Date Collected**	: 08/26/20 10:20
Client ID	: SP-8 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:48
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-17	**Analyst**	: HT
Sample Amount	: 15.67 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: 94
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	33.8	3.00	U
11104-28-2	Aroclor 1221	ND	33.8	3.39	U
11141-16-5	Aroclor 1232	ND	33.8	7.17	U
53469-21-9	Aroclor 1242	ND	33.8	4.56	U
12672-29-6	Aroclor 1248	ND	33.8	5.08	U
11097-69-1	Aroclor 1254	ND	33.8	3.70	U
11096-82-5	Aroclor 1260	ND	33.8	6.25	U
37324-23-5	Aroclor 1262	ND	33.8	4.30	U
11100-14-4	Aroclor 1268	ND	33.8	3.50	U
1336-36-3	PCBs, Total	ND	33.8	3.00	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-04	**Date Collected**	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:55
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-18	**Analyst**	: HT
Sample Amount	: 15.22 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: 89
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	36.8	3.27	U
11104-28-2	Aroclor 1221	ND	36.8	3.69	U
11141-16-5	Aroclor 1232	ND	36.8	7.81	U
53469-21-9	Aroclor 1242	ND	36.8	4.96	U
12672-29-6	Aroclor 1248	ND	36.8	5.52	U
11097-69-1	Aroclor 1254	ND	36.8	4.03	U
37324-23-5	Aroclor 1262	ND	36.8	4.68	U
11100-14-4	Aroclor 1268	ND	36.8	3.82	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-04	**Date Collected**	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 13:55
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-18	**Analyst**	: HT
Sample Amount	: 15.22 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-PesticideII
Extract Volume	: 1000 uL	**%Solids**	: 89
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
11096-82-5	Aroclor 1260	ND	36.8	6.81	U
1336-36-3	PCBs, Total	ND	36.8	3.27	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-05	**Date Collected**	: 08/26/20 10:58
Client ID	: SP-8 (9-9.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 14:02
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-19	**Analyst**	: HT
Sample Amount	: 15.36 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: 74
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	43.9	3.90	U
11104-28-2	Aroclor 1221	ND	43.9	4.40	U
11141-16-5	Aroclor 1232	ND	43.9	9.31	U
53469-21-9	Aroclor 1242	ND	43.9	5.92	U
12672-29-6	Aroclor 1248	ND	43.9	6.59	U
11097-69-1	Aroclor 1254	ND	43.9	4.80	U
11096-82-5	Aroclor 1260	ND	43.9	8.12	U
37324-23-5	Aroclor 1262	ND	43.9	5.58	U
11100-14-4	Aroclor 1268	ND	43.9	4.55	U
1336-36-3	PCBs, Total	ND	43.9	3.90	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-06	**Date Collected**	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 14:09
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-20	**Analyst**	: HT
Sample Amount	: 15.37 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: 94
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	34.6	3.07	U
11104-28-2	Aroclor 1221	ND	34.6	3.47	U
11141-16-5	Aroclor 1232	ND	34.6	7.34	U
53469-21-9	Aroclor 1242	ND	34.6	4.66	U
12672-29-6	Aroclor 1248	ND	34.6	5.19	U
11097-69-1	Aroclor 1254	ND	34.6	3.79	U
37324-23-5	Aroclor 1262	ND	34.6	4.40	U
11100-14-4	Aroclor 1268	5.63	34.6	3.58	J

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-06	**Date Collected**	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 14:09
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-20	**Analyst**	: HT
Sample Amount	: 15.37 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-PesticideII
Extract Volume	: 1000 uL	**%Solids**	: 94
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
11096-82-5	Aroclor 1260	9.43	34.6	6.40	J
1336-36-3	PCBs, Total	15.1	34.6	3.07	J

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-07	Date Collected	: 08/26/20 12:50
Client ID	: SP-9 (6.5-7.0')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 14:16
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 23200901a-21	Analyst	: HT
Sample Amount	: 15.05 g	Instrument ID	: PEST23
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 88
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	37.8	3.36	U
11104-28-2	Aroclor 1221	ND	37.8	3.79	U
11141-16-5	Aroclor 1232	ND	37.8	8.02	U
53469-21-9	Aroclor 1242	ND	37.8	5.10	U
12672-29-6	Aroclor 1248	ND	37.8	5.68	U
11097-69-1	Aroclor 1254	ND	37.8	4.14	U
11096-82-5	Aroclor 1260	ND	37.8	6.99	U
37324-23-5	Aroclor 1262	ND	37.8	4.80	U
11100-14-4	Aroclor 1268	ND	37.8	3.92	U
1336-36-3	PCBs, Total	ND	37.8	3.36	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-08	**Date Collected**	: 08/26/20 13:30
Client ID	: MW-2A (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 14:23
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-22	**Analyst**	: HT
Sample Amount	: 15.48 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: 81
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	39.7	3.52	U
11104-28-2	Aroclor 1221	ND	39.7	3.98	U
11141-16-5	Aroclor 1232	ND	39.7	8.41	U
53469-21-9	Aroclor 1242	ND	39.7	5.35	U
12672-29-6	Aroclor 1248	ND	39.7	5.95	U
11097-69-1	Aroclor 1254	ND	39.7	4.34	U
11096-82-5	Aroclor 1260	ND	39.7	7.33	U
37324-23-5	Aroclor 1262	ND	39.7	5.04	U
11100-14-4	Aroclor 1268	ND	39.7	4.11	U
1336-36-3	PCBs, Total	ND	39.7	3.52	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-09	**Date Collected**	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 14:30
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-23	**Analyst**	: HT
Sample Amount	: 15.68 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: 95
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	33.7	2.99	U
11104-28-2	Aroclor 1221	ND	33.7	3.37	U
11141-16-5	Aroclor 1232	ND	33.7	7.14	U
53469-21-9	Aroclor 1242	ND	33.7	4.54	U
12672-29-6	Aroclor 1248	ND	33.7	5.05	U
11097-69-1	Aroclor 1254	ND	33.7	3.68	U
11096-82-5	Aroclor 1260	22.4	33.7	6.22	J
37324-23-5	Aroclor 1262	ND	33.7	4.28	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-09	**Date Collected**	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 14:30
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-23	**Analyst**	: HT
Sample Amount	: 15.68 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-PesticideII
Extract Volume	: 1000 uL	**%Solids**	: 95
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
11100-14-4	Aroclor 1268	9.03	33.7	3.49	J
1336-36-3	PCBs, Total	31.4	33.7	2.99	J

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-10	**Date Collected**	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 14:37
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-24	**Analyst**	: HT
Sample Amount	: 15.27 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: 91
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	36.0	3.20	U
11104-28-2	Aroclor 1221	ND	36.0	3.60	U
11141-16-5	Aroclor 1232	ND	36.0	7.63	U
53469-21-9	Aroclor 1242	ND	36.0	4.85	U
12672-29-6	Aroclor 1248	ND	36.0	5.40	U
11097-69-1	Aroclor 1254	ND	36.0	3.94	U
37324-23-5	Aroclor 1262	ND	36.0	4.57	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-10	**Date Collected**	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 14:37
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-24	**Analyst**	: HT
Sample Amount	: 15.27 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-PesticideII
Extract Volume	: 1000 uL	**%Solids**	: 91
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
11096-82-5	Aroclor 1260	6.77	36.0	6.65	J
11100-14-4	Aroclor 1268	ND	36.0	3.73	U
1336-36-3	PCBs, Total	6.77	36.0	3.20	J

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-11	**Date Collected**	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 14:51
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-26	**Analyst**	: HT
Sample Amount	: 15.5 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: 90
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	36.0	3.20	U
11104-28-2	Aroclor 1221	ND	36.0	3.61	U
11141-16-5	Aroclor 1232	ND	36.0	7.64	U
53469-21-9	Aroclor 1242	ND	36.0	4.86	U
12672-29-6	Aroclor 1248	ND	36.0	5.41	U
11097-69-1	Aroclor 1254	ND	36.0	3.94	U
11096-82-5	Aroclor 1260	ND	36.0	6.66	U
37324-23-5	Aroclor 1262	ND	36.0	4.58	U
11100-14-4	Aroclor 1268	ND	36.0	3.73	U
1336-36-3	PCBs, Total	ND	36.0	3.20	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-12	**Date Collected**	: 08/26/20 15:18
Client ID	: 20200826DUP	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 14:58
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-27	**Analyst**	: HT
Sample Amount	: 15.52 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: 87
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	36.9	3.27	U
11104-28-2	Aroclor 1221	ND	36.9	3.69	U
11141-16-5	Aroclor 1232	ND	36.9	7.81	U
53469-21-9	Aroclor 1242	ND	36.9	4.97	U
12672-29-6	Aroclor 1248	ND	36.9	5.53	U
11097-69-1	Aroclor 1254	ND	36.9	4.03	U
11096-82-5	Aroclor 1260	ND	36.9	6.81	U
37324-23-5	Aroclor 1262	ND	36.9	4.68	U
11100-14-4	Aroclor 1268	ND	36.9	3.82	U
1336-36-3	PCBs, Total	ND	36.9	3.27	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-13	**Date Collected**	: 08/26/20 16:00
Client ID	: 20200826EB	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 10:28
Sample Matrix	: Equipment Blank	**Date Extracted**	: 08/31/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 13200901a-10	**Analyst**	: JAW
Sample Amount	: 140 ml	**Instrument ID**	: PEST13
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.083	0.034	U
11104-28-2	Aroclor 1221	ND	0.083	0.067	U
11141-16-5	Aroclor 1232	ND	0.083	0.046	U
53469-21-9	Aroclor 1242	ND	0.083	0.039	U
12672-29-6	Aroclor 1248	ND	0.083	0.049	U
11097-69-1	Aroclor 1254	ND	0.083	0.039	U
11096-82-5	Aroclor 1260	ND	0.083	0.032	U
37324-23-5	Aroclor 1262	ND	0.083	0.035	U
11100-14-4	Aroclor 1268	ND	0.083	0.034	U
1336-36-3	PCBs, Total	ND	0.083	0.032	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1404513-1	**Date Collected**	: NA
Client ID	: WG1404513-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/01/20 12:24
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 23200901a-05	**Analyst**	: HT
Sample Amount	: 15.41 g	**Instrument ID**	: PEST23
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: NA
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	32.4	2.88	U
11104-28-2	Aroclor 1221	ND	32.4	3.25	U
11141-16-5	Aroclor 1232	ND	32.4	6.88	U
53469-21-9	Aroclor 1242	ND	32.4	4.37	U
12672-29-6	Aroclor 1248	ND	32.4	4.87	U
11097-69-1	Aroclor 1254	ND	32.4	3.55	U
11096-82-5	Aroclor 1260	ND	32.4	6.00	U
37324-23-5	Aroclor 1262	ND	32.4	4.12	U
11100-14-4	Aroclor 1268	ND	32.4	3.36	U
1336-36-3	PCBs, Total	ND	32.4	2.88	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1404888-1	Date Collected	: NA
Client ID	: WG1404888-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/01/20 10:02
Sample Matrix	: WATER	Date Extracted	: 08/31/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 13200901a-07	Analyst	: JM
Sample Amount	: 140 ml	Instrument ID	: PEST13
Extraction Method	: EPA 3510C	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	0.083	0.034	U
11104-28-2	Aroclor 1221	ND	0.083	0.067	U
11141-16-5	Aroclor 1232	ND	0.083	0.046	U
53469-21-9	Aroclor 1242	ND	0.083	0.039	U
12672-29-6	Aroclor 1248	ND	0.083	0.049	U
11097-69-1	Aroclor 1254	ND	0.083	0.039	U
11096-82-5	Aroclor 1260	0.035	0.083	0.032	J
37324-23-5	Aroclor 1262	ND	0.083	0.035	U
11100-14-4	Aroclor 1268	ND	0.083	0.034	U
1336-36-3	PCBs, Total	0.035	0.083	0.032	J

Evaluate Continuing Calibration Report

Data Path : I:\Pest13\200717ICALLVI1\
Data File : 13200717icallvi-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 18 Jul 2020 12:33 am
Operator : Pest13:aws
Sample   : cicv1660,42e,,9815
Misc   : WG1397261,, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 31 15:30:31 2020
Quant Method : I:\Pest13\200717ICALLVI1\P13_pcb_07_17_20_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jul 31 15:27:52 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	25.000	25.000	0.0	106	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	16.000	15.137	5.4	104	0.00
3	s	Decachlorobiphenyl	32.000	29.869	6.7	104	0.00
4	l1	1016-1	250.000	219.595	12.2	96	0.00
5	l1	1016-2	250.000	228.153	8.7	104	0.00
6	l1	1016-3	250.000	236.198	5.5	106	0.00
7	l1	1016-4	250.000	233.368	6.7	105	0.00
8	l1	1016-5	250.000	228.114	8.8	103	0.00
9	l2	1260-1	250.000	221.307	11.5	101	0.00
10	l2	1260-2	250.000	229.571	8.2	105	0.00
11	l2	1260-3	250.000	206.220	17.5	89	0.00
12	l2	1260-4	250.000	199.529	20.2#	88	0.00
13	l2	1260-5	250.000	203.615	18.6	92	0.00
14	i	2154_1br2nb	25.000	25.000	0.0	106	0.00
23	i	4268_1br2nb	25.000	25.000	0.0	101	0.00
34	i	1248_1br2nb	25.000	25.000	0.0	103	0.00
40	i	3262_1br2nb	25.000	25.000	0.0	103	0.00

Signal #2

1	i	1660_1br2nb	25.000	25.000	0.0	106	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	16.000	14.924	6.7	100	0.00
3	s	Decachlorobiphenyl	32.000	29.263	8.6	105	0.00
4	l1	1016-1	250.000	215.545	13.8	96	0.00
5	l1	1016-2	250.000	233.434	6.6	104	0.00
6	l1	1016-3	250.000	241.460	3.4	106	0.00

Surrogate Recovery Summary
Form 2
Pesticides

Client: GZA GeoEnvironmental, Inc.
Project Name: 100 UNION AVE

Lab Number: L2035276
Project Number: 12.0076932.00
Matrix: Soil

GC Column 1: CLPPesticides
GC Column 2: CLPPesticidesII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
SP-7 (0-2') (L2035276-01D)	78	81	68	64			0
SP-7 (8-8.5') (L2035276-02)	67	74	82	79			0
SP-8 (0-2') (L2035276-03)	70	75	87	77			0
SP-8 (7-7.5') (L2035276-04)	74	80	82	88			0
SP-8 (9-9.5') (L2035276-05)	3695*	87	31	76			1
SP-9 (0-2') (L2035276-06)	90	99	58	107			0
SP-9 (6.5-7.0') (L2035276-07)	68	78	80	81			0
MW-2A (0-2') (L2035276-08)	74	72	92	77			0
SP-10 (0-2') (L2035276-09)	64	77	91	105			0
SP-10 (7.5-8') (L2035276-10)	75	89	79	90			0
SP-10 (9.5-10') (L2035276-11)	77	89	102	88			0
20200826DUP (L2035276-12)	68	78	96	83			0
WG1404467-1BLANK	83	75	61	72			0
WG1404467-2LCS	82	79	62	84			0
WG1404467-3LCSD	91	85	70	94			0

QC LIMITS
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
(30-150) DCBP = DECACHLOROBIPHENYL

*** Values outside of QC limits**

FORM II NYTCL-8081

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-01D	Date Collected	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 07:51
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8081B	Dilution Factor	: 10
Lab File ID	: 18200901a-06	Analyst	: JMC
Sample Amount	: 15.52 g	Instrument ID	: PEST18
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 87
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	17.8	3.48	U
58-89-9	Lindane	ND	7.40	3.31	U
319-84-6	Alpha-BHC	ND	7.40	2.10	U
319-85-7	Beta-BHC	ND	17.8	6.73	U
76-44-8	Heptachlor	ND	8.88	3.98	U
309-00-2	Aldrin	ND	17.8	6.25	U
1024-57-3	Heptachlor epoxide	ND	33.3	9.99	U
72-20-8	Endrin	ND	7.40	3.03	U
7421-93-4	Endrin aldehyde	ND	22.2	7.77	U
53494-70-5	Endrin ketone	ND	17.8	4.57	U
60-57-1	Dieldrin	ND	11.1	5.55	U
72-55-9	4,4'-DDE	ND	17.8	4.10	U
72-54-8	4,4'-DDD	ND	17.8	6.33	U
50-29-3	4,4'-DDT	ND	33.3	14.3	U
959-98-8	Endosulfan I	ND	17.8	4.19	U
33213-65-9	Endosulfan II	ND	17.8	5.93	U
1031-07-8	Endosulfan sulfate	ND	7.40	3.52	U
72-43-5	Methoxychlor	ND	33.3	10.4	U
8001-35-2	Toxaphene	ND	333	93.2	U
5103-71-9	cis-Chlordane	127	22.2	6.18	
57-74-9	Chlordane	601	148	58.8	

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-01D	**Date Collected**	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 07:51
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 10
Lab File ID	: 18200901a-06	**Analyst**	: JMC
Sample Amount	: 15.52 g	**Instrument ID**	: PEST18
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticidesII
Extract Volume	: 1000 uL	**%Solids**	: 87
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
5103-74-2	trans-Chlordane	94.1	22.2	5.86	

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-02	Date Collected	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 08:00
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18200901a-07	Analyst	: JMC
Sample Amount	: 15.23 g	Instrument ID	: PEST18
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.88	0.368	U
58-89-9	Lindane	ND	0.782	0.350	U
319-84-6	Alpha-BHC	ND	0.782	0.222	U
319-85-7	Beta-BHC	ND	1.88	0.712	U
76-44-8	Heptachlor	ND	0.939	0.421	U
309-00-2	Aldrin	ND	1.88	0.661	U
1024-57-3	Heptachlor epoxide	ND	3.52	1.06	U
72-20-8	Endrin	ND	0.782	0.321	U
7421-93-4	Endrin aldehyde	ND	2.35	0.822	U
53494-70-5	Endrin ketone	ND	1.88	0.484	U
60-57-1	Dieldrin	ND	1.17	0.587	U
72-54-8	4,4'-DDD	ND	1.88	0.670	U
50-29-3	4,4'-DDT	ND	3.52	1.51	U
959-98-8	Endosulfan I	ND	1.88	0.444	U
33213-65-9	Endosulfan II	ND	1.88	0.628	U
1031-07-8	Endosulfan sulfate	ND	0.782	0.372	U
72-43-5	Methoxychlor	ND	3.52	1.10	U
8001-35-2	Toxaphene	ND	35.2	9.86	U
5103-71-9	cis-Chlordane	ND	2.35	0.654	U
5103-74-2	trans-Chlordane	ND	2.35	0.620	U
57-74-9	Chlordane	ND	15.6	6.22	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 08:00
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18200901a-07	**Analyst**	: JMC
Sample Amount	: 15.23 g	**Instrument ID**	: PEST18
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticidesII
Extract Volume	: 1000 uL	**%Solids**	: 84
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
72-55-9	4,4'-DDE	1.12	1.88	0.434	J

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-03	Date Collected	: 08/26/20 10:20
Client ID	: SP-8 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 08:09
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18200901a-08	Analyst	: JMC
Sample Amount	: 15.52 g	Instrument ID	: PEST18
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 94
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.64	0.321	U
58-89-9	Lindane	ND	0.683	0.305	U
319-84-6	Alpha-BHC	ND	0.683	0.194	U
319-85-7	Beta-BHC	ND	1.64	0.622	U
76-44-8	Heptachlor	ND	0.820	0.368	U
309-00-2	Aldrin	ND	1.64	0.577	U
1024-57-3	Heptachlor epoxide	ND	3.07	0.922	U
72-20-8	Endrin	ND	0.683	0.280	U
7421-93-4	Endrin aldehyde	ND	2.05	0.717	U
53494-70-5	Endrin ketone	ND	1.64	0.422	U
60-57-1	Dieldrin	ND	1.02	0.512	U
72-55-9	4,4'-DDE	ND	1.64	0.379	U
72-54-8	4,4'-DDD	ND	1.64	0.585	U
50-29-3	4,4'-DDT	ND	3.07	1.32	U
959-98-8	Endosulfan I	ND	1.64	0.387	U
33213-65-9	Endosulfan II	ND	1.64	0.548	U
1031-07-8	Endosulfan sulfate	ND	0.683	0.325	U
72-43-5	Methoxychlor	ND	3.07	0.956	U
8001-35-2	Toxaphene	ND	30.7	8.61	U
5103-71-9	cis-Chlordane	ND	2.05	0.571	U
5103-74-2	trans-Chlordane	ND	2.05	0.541	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-03	**Date Collected**	: 08/26/20 10:20
Client ID	: SP-8 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 08:09
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18200901a-08	**Analyst**	: JMC
Sample Amount	: 15.52 g	**Instrument ID**	: PEST18
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: 94
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	13.7	5.43	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-04	Date Collected	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 08:18
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18200901a-09	Analyst	: JMC
Sample Amount	: 15.52 g	Instrument ID	: PEST18
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 89
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.73	0.340	U
58-89-9	Lindane	ND	0.722	0.323	U
319-84-6	Alpha-BHC	ND	0.722	0.205	U
319-85-7	Beta-BHC	ND	1.73	0.657	U
76-44-8	Heptachlor	ND	0.867	0.389	U
309-00-2	Aldrin	ND	1.73	0.610	U
1024-57-3	Heptachlor epoxide	ND	3.25	0.975	U
72-20-8	Endrin	ND	0.722	0.296	U
7421-93-4	Endrin aldehyde	ND	2.17	0.758	U
53494-70-5	Endrin ketone	ND	1.73	0.446	U
60-57-1	Dieldrin	ND	1.08	0.542	U
72-55-9	4,4'-DDE	ND	1.73	0.401	U
72-54-8	4,4'-DDD	ND	1.73	0.618	U
50-29-3	4,4'-DDT	ND	3.25	1.39	U
959-98-8	Endosulfan I	ND	1.73	0.410	U
33213-65-9	Endosulfan II	ND	1.73	0.579	U
1031-07-8	Endosulfan sulfate	ND	0.722	0.344	U
72-43-5	Methoxychlor	ND	3.25	1.01	U
8001-35-2	Toxaphene	ND	32.5	9.10	U
5103-71-9	cis-Chlordane	ND	2.17	0.604	U
5103-74-2	trans-Chlordane	ND	2.17	0.572	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-04	**Date Collected**	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 08:18
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18200901a-09	**Analyst**	: JMC
Sample Amount	: 15.52 g	**Instrument ID**	: PEST18
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: 89
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	14.4	5.74	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-05	**Date Collected**	: 08/26/20 10:58
Client ID	: SP-8 (9-9.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 08:28
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20200902a-12	**Analyst**	: SM
Sample Amount	: 15.38 g	**Instrument ID**	: PEST20
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticidesII
Extract Volume	: 1000 uL	**%Solids**	: 74
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	2.10	0.412	U
58-89-9	Lindane	ND	0.877	0.392	U
319-84-6	Alpha-BHC	ND	0.877	0.249	U
319-85-7	Beta-BHC	ND	2.10	0.798	U
76-44-8	Heptachlor	ND	1.05	0.472	U
309-00-2	Aldrin	ND	2.10	0.741	U
1024-57-3	Heptachlor epoxide	ND	3.95	1.18	U
72-20-8	Endrin	ND	0.877	0.360	U
7421-93-4	Endrin aldehyde	ND	2.63	0.921	U
53494-70-5	Endrin ketone	ND	2.10	0.542	U
60-57-1	Dieldrin	ND	1.32	0.658	U
72-55-9	4,4'-DDE	ND	2.10	0.487	U
72-54-8	4,4'-DDD	ND	2.10	0.751	U
50-29-3	4,4'-DDT	ND	3.95	1.69	U
959-98-8	Endosulfan I	ND	2.10	0.498	U
33213-65-9	Endosulfan II	ND	2.10	0.704	U
1031-07-8	Endosulfan sulfate	ND	0.877	0.418	U
72-43-5	Methoxychlor	ND	3.95	1.23	U
8001-35-2	Toxaphene	ND	39.5	11.0	U
5103-71-9	cis-Chlordane	ND	2.63	0.734	U
5103-74-2	trans-Chlordane	ND	2.63	0.695	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-05	**Date Collected**	: 08/26/20 10:58
Client ID	: SP-8 (9-9.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 08:28
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20200902a-12	**Analyst**	: SM
Sample Amount	: 15.38 g	**Instrument ID**	: PEST20
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticidesII
Extract Volume	: 1000 uL	**%Solids**	: 74
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	17.5	6.98	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-06	Date Collected	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/02/20 08:40
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 20200902a-13	Analyst	: SM
Sample Amount	: 15.59 g	Instrument ID	: PEST20
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 94
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.64	0.321	U
58-89-9	Lindane	ND	0.682	0.305	U
319-84-6	Alpha-BHC	ND	0.682	0.194	U
319-85-7	Beta-BHC	ND	1.64	0.621	U
76-44-8	Heptachlor	ND	0.819	0.367	U
309-00-2	Aldrin	ND	1.64	0.577	U
1024-57-3	Heptachlor epoxide	ND	3.07	0.921	U
72-20-8	Endrin	ND	0.682	0.280	U
7421-93-4	Endrin aldehyde	ND	2.05	0.716	U
53494-70-5	Endrin ketone	ND	1.64	0.422	U
60-57-1	Dieldrin	ND	1.02	0.512	U
72-55-9	4,4'-DDE	ND	1.64	0.379	U
72-54-8	4,4'-DDD	1.32	1.64	0.584	J
959-98-8	Endosulfan I	ND	1.64	0.387	U
33213-65-9	Endosulfan II	ND	1.64	0.547	U
1031-07-8	Endosulfan sulfate	ND	0.682	0.325	U
72-43-5	Methoxychlor	ND	3.07	0.955	U
8001-35-2	Toxaphene	ND	30.7	8.60	U
5103-71-9	cis-Chlordane	ND	2.05	0.570	U
5103-74-2	trans-Chlordane	ND	2.05	0.540	U
57-74-9	Chlordane	ND	13.6	5.42	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-06	**Date Collected**	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 08:40
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20200902a-13	**Analyst**	: SM
Sample Amount	: 15.59 g	**Instrument ID**	: PEST20
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticidesII
Extract Volume	: 1000 uL	**%Solids**	: 94
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
50-29-3	4,4'-DDT	1.95	3.07	1.32	JIP

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-07	Date Collected	: 08/26/20 12:50
Client ID	: SP-9 (6.5-7.0')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 08:45
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18200901a-12	Analyst	: JMC
Sample Amount	: 15.54 g	Instrument ID	: PEST18
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 88
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.76	0.344	U
58-89-9	Lindane	ND	0.733	0.328	U
319-84-6	Alpha-BHC	ND	0.733	0.208	U
319-85-7	Beta-BHC	ND	1.76	0.667	U
76-44-8	Heptachlor	ND	0.879	0.394	U
309-00-2	Aldrin	ND	1.76	0.619	U
1024-57-3	Heptachlor epoxide	ND	3.30	0.989	U
72-20-8	Endrin	ND	0.733	0.300	U
7421-93-4	Endrin aldehyde	ND	2.20	0.770	U
53494-70-5	Endrin ketone	ND	1.76	0.453	U
60-57-1	Dieldrin	ND	1.10	0.550	U
72-55-9	4,4'-DDE	ND	1.76	0.407	U
72-54-8	4,4'-DDD	ND	1.76	0.627	U
50-29-3	4,4'-DDT	ND	3.30	1.41	U
959-98-8	Endosulfan I	ND	1.76	0.416	U
33213-65-9	Endosulfan II	ND	1.76	0.588	U
1031-07-8	Endosulfan sulfate	ND	0.733	0.349	U
72-43-5	Methoxychlor	ND	3.30	1.03	U
8001-35-2	Toxaphene	ND	33.0	9.23	U
5103-71-9	cis-Chlordane	ND	2.20	0.613	U
5103-74-2	trans-Chlordane	ND	2.20	0.580	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-07	**Date Collected**	: 08/26/20 12:50
Client ID	: SP-9 (6.5-7.0')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 08:45
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18200901a-12	**Analyst**	: JMC
Sample Amount	: 15.54 g	**Instrument ID**	: PEST18
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: 88
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	14.6	5.83	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-08	Date Collected	: 08/26/20 13:30
Client ID	: MW-2A (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 08:54
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18200901a-13	Analyst	: JMC
Sample Amount	: 15.79 g	Instrument ID	: PEST18
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 81
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.87	0.366	U
58-89-9	Lindane	ND	0.778	0.348	U
319-84-6	Alpha-BHC	ND	0.778	0.221	U
319-85-7	Beta-BHC	ND	1.87	0.708	U
76-44-8	Heptachlor	ND	0.934	0.418	U
309-00-2	Aldrin	ND	1.87	0.657	U
1024-57-3	Heptachlor epoxide	ND	3.50	1.05	U
72-20-8	Endrin	ND	0.778	0.319	U
7421-93-4	Endrin aldehyde	ND	2.33	0.817	U
53494-70-5	Endrin ketone	ND	1.87	0.481	U
60-57-1	Dieldrin	ND	1.17	0.584	U
72-55-9	4,4'-DDE	ND	1.87	0.432	U
72-54-8	4,4'-DDD	ND	1.87	0.666	U
50-29-3	4,4'-DDT	ND	3.50	1.50	U
959-98-8	Endosulfan I	ND	1.87	0.441	U
33213-65-9	Endosulfan II	ND	1.87	0.624	U
1031-07-8	Endosulfan sulfate	ND	0.778	0.370	U
72-43-5	Methoxychlor	ND	3.50	1.09	U
8001-35-2	Toxaphene	ND	35.0	9.80	U
5103-71-9	cis-Chlordane	ND	2.33	0.650	U
5103-74-2	trans-Chlordane	ND	2.33	0.616	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-08	**Date Collected**	: 08/26/20 13:30
Client ID	: MW-2A (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 08:54
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18200901a-13	**Analyst**	: JMC
Sample Amount	: 15.79 g	**Instrument ID**	: PEST18
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: 81
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	15.6	6.18	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-09	Date Collected	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 09:03
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18200901a-14	Analyst	: JMC
Sample Amount	: 15.46 g	Instrument ID	: PEST18
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 95
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.64	0.321	U
58-89-9	Lindane	ND	0.683	0.305	U
319-84-6	Alpha-BHC	ND	0.683	0.194	U
319-85-7	Beta-BHC	ND	1.64	0.622	U
76-44-8	Heptachlor	ND	0.820	0.367	U
309-00-2	Aldrin	ND	1.64	0.577	U
1024-57-3	Heptachlor epoxide	ND	3.07	0.922	U
72-20-8	Endrin	ND	0.683	0.280	U
7421-93-4	Endrin aldehyde	ND	2.05	0.717	U
53494-70-5	Endrin ketone	ND	1.64	0.422	U
60-57-1	Dieldrin	ND	1.02	0.512	U
72-55-9	4,4'-DDE	ND	1.64	0.379	U
72-54-8	4,4'-DDD	ND	1.64	0.585	U
50-29-3	4,4'-DDT	ND	3.07	1.32	U
959-98-8	Endosulfan I	ND	1.64	0.387	U
33213-65-9	Endosulfan II	ND	1.64	0.548	U
1031-07-8	Endosulfan sulfate	ND	0.683	0.325	U
72-43-5	Methoxychlor	ND	3.07	0.956	U
8001-35-2	Toxaphene	ND	30.7	8.61	U
5103-71-9	cis-Chlordane	ND	2.05	0.571	U
5103-74-2	trans-Chlordane	ND	2.05	0.541	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-09	**Date Collected**	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 09:03
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18200901a-14	**Analyst**	: JMC
Sample Amount	: 15.46 g	**Instrument ID**	: PEST18
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: 95
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	13.7	5.43	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-10	Date Collected	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 09:12
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18200901a-15	Analyst	: JMC
Sample Amount	: 15.68 g	Instrument ID	: PEST18
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.68	0.329	U
58-89-9	Lindane	ND	0.701	0.313	U
319-84-6	Alpha-BHC	ND	0.701	0.199	U
319-85-7	Beta-BHC	ND	1.68	0.638	U
76-44-8	Heptachlor	ND	0.841	0.377	U
309-00-2	Aldrin	ND	1.68	0.592	U
1024-57-3	Heptachlor epoxide	ND	3.15	0.946	U
72-20-8	Endrin	ND	0.701	0.287	U
7421-93-4	Endrin aldehyde	ND	2.10	0.736	U
53494-70-5	Endrin ketone	ND	1.68	0.433	U
60-57-1	Dieldrin	ND	1.05	0.526	U
72-55-9	4,4'-DDE	ND	1.68	0.389	U
72-54-8	4,4'-DDD	ND	1.68	0.600	U
50-29-3	4,4'-DDT	ND	3.15	1.35	U
959-98-8	Endosulfan I	ND	1.68	0.397	U
33213-65-9	Endosulfan II	ND	1.68	0.562	U
1031-07-8	Endosulfan sulfate	ND	0.701	0.334	U
72-43-5	Methoxychlor	ND	3.15	0.981	U
8001-35-2	Toxaphene	ND	31.5	8.83	U
5103-71-9	cis-Chlordane	ND	2.10	0.586	U
5103-74-2	trans-Chlordane	ND	2.10	0.555	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-10	**Date Collected**	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 09:12
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18200901a-15	**Analyst**	: JMC
Sample Amount	: 15.68 g	**Instrument ID**	: PEST18
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: 91
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	14.0	5.57	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-11	Date Collected	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 09:22
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18200901a-16	Analyst	: JMC
Sample Amount	: 15.79 g	Instrument ID	: PEST18
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 90
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.70	0.332	U
58-89-9	Lindane	ND	0.708	0.316	U
319-84-6	Alpha-BHC	ND	0.708	0.201	U
319-85-7	Beta-BHC	ND	1.70	0.644	U
76-44-8	Heptachlor	ND	0.849	0.381	U
309-00-2	Aldrin	ND	1.70	0.598	U
1024-57-3	Heptachlor epoxide	ND	3.18	0.955	U
72-20-8	Endrin	ND	0.708	0.290	U
7421-93-4	Endrin aldehyde	ND	2.12	0.743	U
53494-70-5	Endrin ketone	ND	1.70	0.437	U
60-57-1	Dieldrin	ND	1.06	0.531	U
72-55-9	4,4'-DDE	ND	1.70	0.393	U
72-54-8	4,4'-DDD	ND	1.70	0.606	U
50-29-3	4,4'-DDT	ND	3.18	1.36	U
959-98-8	Endosulfan I	ND	1.70	0.401	U
33213-65-9	Endosulfan II	ND	1.70	0.568	U
1031-07-8	Endosulfan sulfate	ND	0.708	0.337	U
72-43-5	Methoxychlor	ND	3.18	0.991	U
8001-35-2	Toxaphene	ND	31.8	8.92	U
5103-71-9	cis-Chlordane	ND	2.12	0.592	U
5103-74-2	trans-Chlordane	ND	2.12	0.560	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-11	**Date Collected**	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 09:22
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18200901a-16	**Analyst**	: JMC
Sample Amount	: 15.79 g	**Instrument ID**	: PEST18
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: 90
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	14.2	5.62	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-12	Date Collected	: 08/26/20 15:18
Client ID	: 20200826DUP	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 09:31
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18200901a-17	Analyst	: JMC
Sample Amount	: 15.79 g	Instrument ID	: PEST18
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 87
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.74	0.340	U
58-89-9	Lindane	ND	0.725	0.324	U
319-84-6	Alpha-BHC	ND	0.725	0.206	U
319-85-7	Beta-BHC	ND	1.74	0.659	U
76-44-8	Heptachlor	ND	0.870	0.390	U
309-00-2	Aldrin	ND	1.74	0.612	U
1024-57-3	Heptachlor epoxide	ND	3.26	0.978	U
72-20-8	Endrin	ND	0.725	0.297	U
7421-93-4	Endrin aldehyde	ND	2.17	0.761	U
53494-70-5	Endrin ketone	ND	1.74	0.448	U
60-57-1	Dieldrin	ND	1.09	0.543	U
72-55-9	4,4'-DDE	ND	1.74	0.402	U
72-54-8	4,4'-DDD	ND	1.74	0.620	U
50-29-3	4,4'-DDT	ND	3.26	1.40	U
959-98-8	Endosulfan I	ND	1.74	0.411	U
33213-65-9	Endosulfan II	ND	1.74	0.581	U
1031-07-8	Endosulfan sulfate	ND	0.725	0.345	U
72-43-5	Methoxychlor	ND	3.26	1.01	U
8001-35-2	Toxaphene	ND	32.6	9.13	U
5103-71-9	cis-Chlordane	ND	2.17	0.606	U
5103-74-2	trans-Chlordane	ND	2.17	0.574	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-12	**Date Collected**	: 08/26/20 15:18
Client ID	: 20200826DUP	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 09:31
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18200901a-17	**Analyst**	: JMC
Sample Amount	: 15.79 g	**Instrument ID**	: PEST18
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: 87
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	14.5	5.76	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-13	Date Collected	: 08/26/20 16:00
Client ID	: 20200826EB	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/02/20 08:41
Sample Matrix	: Equipment Blank	Date Extracted	: 09/01/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18200902a-16	Analyst	: SM
Sample Amount	: 140 ml	Instrument ID	: PEST18
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-13	**Date Collected**	: 08/26/20 16:00
Client ID	: 20200826EB	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 08:41
Sample Matrix	: Equipment Blank	**Date Extracted**	: 09/01/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18200902a-16	**Analyst**	: SM
Sample Amount	: 140 ml	**Instrument ID**	: PEST18
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1404467-1	Date Collected	: NA
Client ID	: WG1404467-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 08/31/20 19:07
Sample Matrix	: SOIL	Date Extracted	: 08/29/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15200831b-32	Analyst	: DGM
Sample Amount	: 15.45 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.55	0.304	U
58-89-9	Lindane	ND	0.647	0.289	U
319-84-6	Alpha-BHC	ND	0.647	0.184	U
319-85-7	Beta-BHC	ND	1.55	0.589	U
76-44-8	Heptachlor	ND	0.777	0.348	U
309-00-2	Aldrin	ND	1.55	0.547	U
1024-57-3	Heptachlor epoxide	ND	2.91	0.874	U
72-20-8	Endrin	ND	0.647	0.265	U
7421-93-4	Endrin aldehyde	ND	1.94	0.680	U
53494-70-5	Endrin ketone	ND	1.55	0.400	U
60-57-1	Dieldrin	ND	0.971	0.485	U
72-55-9	4,4'-DDE	ND	1.55	0.359	U
72-54-8	4,4'-DDD	ND	1.55	0.554	U
50-29-3	4,4'-DDT	ND	2.91	1.25	U
959-98-8	Endosulfan I	ND	1.55	0.367	U
33213-65-9	Endosulfan II	ND	1.55	0.519	U
1031-07-8	Endosulfan sulfate	ND	0.647	0.308	U
72-43-5	Methoxychlor	ND	2.91	0.906	U
8001-35-2	Toxaphene	ND	29.1	8.16	U
5103-71-9	cis-Chlordane	ND	1.94	0.541	U
5103-74-2	trans-Chlordane	ND	1.94	0.513	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1404467-1	**Date Collected**	: NA
Client ID	: WG1404467-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/31/20 19:07
Sample Matrix	: SOIL	**Date Extracted**	: 08/29/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 15200831b-32	**Analyst**	: DGM
Sample Amount	: 15.45 g	**Instrument ID**	: PEST15
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: NA
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	12.9	5.14	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1405381-1	Date Collected	: NA
Client ID	: WG1405381-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/02/20 08:13
Sample Matrix	: WATER	Date Extracted	: 09/01/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18200902a-13	Analyst	: SM
Sample Amount	: 140 ml	Instrument ID	: PEST18
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1405381-1	**Date Collected**	: NA
Client ID	: WG1405381-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/02/20 08:13
Sample Matrix	: WATER	**Date Extracted**	: 09/01/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18200902a-13	**Analyst**	: SM
Sample Amount	: 140 ml	**Instrument ID**	: PEST18
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Initial Calibration Summary
Form 6
Pesticides

Client	**: GZA GeoEnvironmental, Inc.**	**Lab Number**	**: L2035276**
Project Name	**: 100 UNION AVE**	**Project Number**	**: 12.0076932.00**
Instrument ID	**: PEST18**	**Ical Ref**	**: ICAL16952**
Calibration dates	**: 07/07/20 11:45 07/08/20 09:39**		

Calibration Files

1 =18200707i-03.d 2 =18200707i-17.d 3 =18200707i-05.d 4 =18200707i-06.d 5 =18200707i-07.d

6 =18200707i-08.d 7 =18200707i-18.d 8 =18200707i-19.d 9 =18200707i-11.d 10 =18200707i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetrachloro-m-xylene		1.214	1.139	1.213	1.050	1.090	1.044	1.005	1.028	0.931	1.079	8.78
3)		Hexachlorobenzene		1.447	1.312	1.332	1.196	1.249	1.151	1.042	1.071	0.960	1.195	13.06
4)		alpha-BHC		1.552	1.469	1.444	1.356	1.410	1.258	1.271	1.373	1.391	1.392	6.65
5)		gamma-BHC (li	1.766	1.449	1.389	1.390	1.294	1.361	1.175	1.162	1.264	1.284	1.353	12.72
6)		beta-BHC		0.805	0.757	0.736	0.681	0.692	0.595	0.543	0.572	0.571	0.661	14.28
7)		delta-BHC		1.348	1.320	1.292	1.231	1.279	1.114	1.140	1.262	1.295	1.253	6.32
8)		Heptachlor		1.536	1.450	1.462	1.363	1.398	1.199	1.136	1.274	1.261	1.342	9.90
9)		Aldrin		1.330	1.301	1.367	1.202	1.238	1.071	1.037	1.189	1.179	1.213	9.16
10)		Alachlor		0.189	0.193	0.191	0.179	0.197	0.185	0.167	0.180	0.157	0.182	7.10
11)		Chlorpyrifos		0.887	0.809	0.807	0.751	0.770	0.731	0.624	0.694	0.592	0.741	12.58
12)		Heptachlor Epoxide		1.378	1.376	1.321	1.276	1.330	1.092	0.995	1.131	1.120	1.224	11.52
13)		gamma-Chlordane (trans)		1.426	1.438	1.407	1.344	1.358	1.126	1.009	1.163	1.153	1.270	12.41
14)		alpha-Chlordane (cis)		1.405	1.320	1.351	1.267	1.320	1.077	0.974	1.131	1.116	1.218	12.07
15)		4,4'-DDE		1.190	1.187	1.177	1.127	1.172	0.990	0.940	1.145	1.142	1.119	8.10
16)		Endosulfan I		1.245	1.222	1.205	1.139	1.184	0.987	0.914	1.038	1.052	1.110	10.48
17)		Dieldrin		1.322	1.210	1.213	1.153	1.191	1.000	0.954	1.125	1.126	1.144	9.80
18)		Endrin		1.265	1.379	1.267	1.210	1.267	1.056	0.987	1.165	1.163	1.196	9.97
19)		4,4'-DDD		1.017	0.977	0.944	0.875	0.947	0.784	0.743	0.910	0.910	0.901	9.81
20)		Endosulfan II		1.228	1.223	1.157	1.100	1.141	0.959	0.886	0.997	1.017	1.079	11.14
21)		4,4'-DDT		0.952	1.033	0.978	0.941	0.992	0.841	0.816	1.033	1.029	0.957	8.42
22)		Endrin Aldehyde		0.875	1.034	0.939	0.923	1.047	0.811	0.718	0.827	0.844	0.891	11.96
23)		Methoxychlor		0.616	0.662	0.591	0.593	0.594	0.518	0.442	0.552	0.533	0.567	11.30
24)		Mirex		1.185	1.123	1.072	1.017	1.062	0.967	0.785	0.911	0.758	0.987	14.82
25)		Endosulfan Sulfate		1.183	1.081	1.128	0.998	1.088	0.924	0.817	0.972	0.973	1.018	11.09
26)		Endrin Ketone		1.253	1.221	1.203	1.158	1.214	1.005	0.926	1.109	1.085	1.130	9.69
27)	s	Decachlorobiphenyl		1.353	1.234	1.141	1.110	1.138	1.029	0.832	0.997	0.826	*L	0.991
7)														
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1							0.031				0.031	0.00
30)	l1	chlordane-3							0.039				0.039	0.00
31)	l1	chlordane-4							0.138				0.138	0.00
32)	l1	chlordane-5							0.215				0.215	0.00
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1		0.053					0.048	0.048			0.050	4.99
35)	l2	toxaphene-2		0.065					0.064	0.065			0.064	0.76

Calibration Verification Summary
Form 7
Pesticides

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2035276	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: PEST20		**Calibration Date**	: 09/02/20 05:33	
Lab File ID	: 20200902a-02		**Init. Calib. Date(s)**	: 04/13/20	04/15/20
Sample No	: WG1405522-1		**Init. Calib. Times**	: 18:09	19:58
Channel	: A				

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	25	25	-	0	20	96	0
2,4,5,6-Tetrachloro-m-xylen	50	51.571	-	-3.1	20	90	0
Hexachlorobenzene	50	44.398	-	11.2	20	98	0
alpha-BHC	50	47.797	-	4.4	20	96	0
gamma-BHC (lindane)	50	44.656	-	10.7	20	95	0
beta-BHC	50	51.964	-	-3.9	20	99	0
delta-BHC	50	49.266	-	1.5	20	102	0
Heptachlor	50	41.194	-	17.6	20	90	0
Aldrin	50	42.637	-	14.7	20	90	0
Alachlor	50	42.969	-	14.1	20	90	0
Chlorpyrifos	50	53.708	-	-7.4	20	85	0
Heptachlor Epoxide	50	42.157	-	15.7	20	93	0
gamma-Chlordane (trans)	50	42.927	-	14.1	20	91	0
alpha-Chlordane (cis)	50	45.655	-	8.7	20	87	0
4,4'-DDE	50	42.009	-	16	20	89	0
Endosulfan I	50	48.108	-	3.8	20	89	0
Dieldrin	50	44.16	-	11.7	20	95	0
Endrin	50	44.174	-	11.7	20	92	0
4,4'-DDD	50	44.697	-	10.6	20	97	0
Endosulfan II	50	40.227	-	19.5	20	88	0
4,4'-DDT	50	41.925	-	16.2	20	88	0
Endrin Aldehyde	50	43.323	-	13.4	20	90	0
Methoxychlor	50	50.243	-	-0.5	20	88	0
Mirex	50	47.414	-	5.2	20	81	0
Endosulfan Sulfate	50	43.029	-	13.9	20	89	0
Endrin Ketone	50	43.101	-	13.8	20	91	0
Decachlorobiphenyl	50	35.444	-	29.1*	20	60	0

* Value outside of QC limits.

Identification Summary
Form 10
Pesticides

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab Sample ID	: L2035276-01D		
Client ID	: SP-7 (0-2')		
Date Analyzed (1)	: 09/01/20 07:51	**Date Analyzed (2)**	: 09/01/20 07:51
Instrument ID (1)	: PEST18	**Instrument ID (2)**	: PEST18
GC Column (1)	: CLPPesticides	**GC Column (2)**	: CLPPesticidesII

			RT Window			
Analyte	**Col**	**RT**	**From**	**To**	**Concentration**	**RPD**
alpha-Chlordane (cis	1	2.80	2.75	2.85	127.	
	2	3.48	3.43	3.53	85.4	39
gamma-Chlordane (tra	1	2.70	2.65	2.75	93.6	
	2	3.36	3.31	3.41	94.1	0
chlordane-AVG	1				601.	
	2				580	4

Identification Summary
Form 10
Pesticides

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab Sample ID	: L2035276-06		
Client ID	: SP-9 (0-2')		
Date Analyzed (1)	: 09/02/20 08:40	**Date Analyzed (2)**	: 09/02/20 08:40
Instrument ID (1)	: PEST20	**Instrument ID (2)**	: PEST20
GC Column (1)	: CLPPesticides	**GC Column (2)**	: CLPPesticidesII

Analyte	Col	RT	RT Window From	RT Window To	Concentration	RPD
4,4'-DDD	1	4.54	4.49	4.59	1.32J	
	2	5.21	5.16	5.26	1.13J	NC
4,4'-DDT	1	4.74	4.70	4.80	4.03	
	2	5.43	5.38	5.48	1.95J	NC

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-01	**Date Collected**	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 22:27
Sample Matrix	: SOIL	**Dilution Factor**	: 20
Analytical Method	: 1,6010D	**Analyst**	: BV
Lab File ID	: WG1405123.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 1.31g	**%Solids**	: 87
Digestion Method	: EPA 3050B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-70-2	Calcium, Total	35400	87.6	30.7	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-01	Date Collected	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 21:19
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1405123.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.31g	%Solids	: 87
Digestion Method	: EPA 3050B	Date Digested	: 08/31/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	4270	8.76	2.37	
7440-36-0	Antimony, Total	1.33	4.38	0.333	J
7440-38-2	Arsenic, Total	2.19	0.876	0.182	
7440-39-3	Barium, Total	172	0.876	0.152	
7440-41-7	Beryllium, Total	0.219	0.438	0.029	J
7440-43-9	Cadmium, Total	1.63	0.876	0.086	
7440-47-3	Chromium, Total	19.6	0.876	0.084	
7440-48-4	Cobalt, Total	5.00	1.75	0.145	
7440-50-8	Copper, Total	199	0.876	0.226	
7439-89-6	Iron, Total	26200	4.38	0.791	
7439-92-1	Lead, Total	1260	4.38	0.235	
7439-95-4	Magnesium, Total	9180	8.76	1.35	
7439-96-5	Manganese, Total	282	0.876	0.139	
7440-02-0	Nickel, Total	13.6	2.19	0.212	
7440-09-7	Potassium, Total	912	219	12.6	
7782-49-2	Selenium, Total	ND	1.75	0.226	U
7440-22-4	Silver, Total	4.41	0.876	0.248	
7440-23-5	Sodium, Total	154	175	2.76	J
7440-28-0	Thallium, Total	ND	1.75	0.276	U
7440-62-2	Vanadium, Total	21.6	0.876	0.178	
7440-66-6	Zinc, Total	200	4.38	0.257	

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Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-02	Date Collected	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 22:04
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1405123.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.313g	%Solids	: 84
Digestion Method	: EPA 3050B	Date Digested	: 08/31/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	5820	9.08	2.45	
7440-36-0	Antimony, Total	ND	4.54	0.345	U
7440-38-2	Arsenic, Total	2.13	0.908	0.189	
7440-39-3	Barium, Total	69.0	0.908	0.158	
7440-41-7	Beryllium, Total	0.154	0.454	0.030	J
7440-43-9	Cadmium, Total	0.145	0.908	0.089	J
7440-47-3	Chromium, Total	8.80	0.908	0.087	
7440-48-4	Cobalt, Total	2.57	1.82	0.151	
7440-50-8	Copper, Total	16.8	0.908	0.234	
7439-89-6	Iron, Total	7280	4.54	0.820	
7439-92-1	Lead, Total	77.1	4.54	0.243	
7439-95-4	Magnesium, Total	3270	9.08	1.40	
7439-96-5	Manganese, Total	169	0.908	0.144	
7440-02-0	Nickel, Total	5.57	2.27	0.220	
7440-09-7	Potassium, Total	495	227	13.1	
7782-49-2	Selenium, Total	ND	1.82	0.234	U
7440-22-4	Silver, Total	0.545	0.908	0.257	J
7440-23-5	Sodium, Total	136	182	2.86	J
7440-28-0	Thallium, Total	ND	1.82	0.286	U
7440-62-2	Vanadium, Total	10.7	0.908	0.184	
7440-66-6	Zinc, Total	42.7	4.54	0.266	

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Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-03	Date Collected	: 08/26/20 10:20
Client ID	: SP-8 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 22:09
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1405123.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.329g	%Solids	: 94
Digestion Method	: EPA 3050B	Date Digested	: 08/31/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	4910	7.98	2.15	
7440-36-0	Antimony, Total	ND	3.99	0.303	U
7440-38-2	Arsenic, Total	3.59	0.798	0.166	
7440-39-3	Barium, Total	77.5	0.798	0.139	
7440-41-7	Beryllium, Total	0.255	0.399	0.026	J
7440-43-9	Cadmium, Total	0.734	0.798	0.078	J
7440-70-2	Calcium, Total	5100	7.98	2.79	
7440-47-3	Chromium, Total	16.1	0.798	0.077	
7440-48-4	Cobalt, Total	7.06	1.60	0.132	
7440-50-8	Copper, Total	40.7	0.798	0.206	
7439-89-6	Iron, Total	14900	3.99	0.720	
7439-92-1	Lead, Total	124	3.99	0.214	
7439-95-4	Magnesium, Total	1950	7.98	1.23	
7439-96-5	Manganese, Total	231	0.798	0.127	
7440-02-0	Nickel, Total	22.7	1.99	0.193	
7440-09-7	Potassium, Total	751	199	11.5	
7782-49-2	Selenium, Total	ND	1.60	0.206	U
7440-22-4	Silver, Total	ND	0.798	0.226	U
7440-23-5	Sodium, Total	63.2	160	2.51	J
7440-28-0	Thallium, Total	ND	1.60	0.251	U
7440-62-2	Vanadium, Total	20.8	0.798	0.162	
7440-66-6	Zinc, Total	182	3.99	0.234	

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Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-04	Date Collected	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 22:13
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1405123.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.324g	%Solids	: 89
Digestion Method	: EPA 3050B	Date Digested	: 08/31/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	2240	8.47	2.29	
7440-36-0	Antimony, Total	0.889	4.23	0.322	J
7440-38-2	Arsenic, Total	5.66	0.847	0.176	
7440-39-3	Barium, Total	78.8	0.847	0.147	
7440-41-7	Beryllium, Total	0.195	0.423	0.028	J
7440-43-9	Cadmium, Total	0.203	0.847	0.083	J
7440-70-2	Calcium, Total	8500	8.47	2.96	
7440-47-3	Chromium, Total	7.42	0.847	0.081	
7440-48-4	Cobalt, Total	4.52	1.69	0.140	
7440-50-8	Copper, Total	26.5	0.847	0.218	
7439-89-6	Iron, Total	11900	4.23	0.765	
7439-92-1	Lead, Total	179	4.23	0.227	
7439-95-4	Magnesium, Total	530	8.47	1.30	
7439-96-5	Manganese, Total	224	0.847	0.135	
7440-02-0	Nickel, Total	8.15	2.12	0.205	
7440-09-7	Potassium, Total	320	212	12.2	
7782-49-2	Selenium, Total	0.356	1.69	0.218	J
7440-22-4	Silver, Total	ND	0.847	0.240	U
7440-23-5	Sodium, Total	119	169	2.67	J
7440-28-0	Thallium, Total	ND	1.69	0.267	U
7440-62-2	Vanadium, Total	15.4	0.847	0.172	
7440-66-6	Zinc, Total	91.6	4.23	0.248	

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Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-05	Date Collected	: 08/26/20 10:58
Client ID	: SP-8 (9-9.5')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 22:18
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1405123.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.303g	%Solids	: 74
Digestion Method	: EPA 3050B	Date Digested	: 08/31/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	6210	10.4	2.80	
7440-36-0	Antimony, Total	ND	5.18	0.394	U
7440-38-2	Arsenic, Total	ND	1.04	0.215	U
7440-39-3	Barium, Total	24.3	1.04	0.180	
7440-41-7	Beryllium, Total	0.135	0.518	0.034	J
7440-43-9	Cadmium, Total	ND	1.04	0.101	U
7440-70-2	Calcium, Total	1900	10.4	3.62	
7440-47-3	Chromium, Total	10.9	1.04	0.099	
7440-48-4	Cobalt, Total	2.28	2.07	0.172	
7440-50-8	Copper, Total	4.73	1.04	0.267	
7439-89-6	Iron, Total	5040	5.18	0.935	
7439-92-1	Lead, Total	8.54	5.18	0.278	
7439-95-4	Magnesium, Total	1370	10.4	1.59	
7439-96-5	Manganese, Total	46.8	1.04	0.165	
7440-02-0	Nickel, Total	6.56	2.59	0.251	
7440-09-7	Potassium, Total	643	259	14.9	
7782-49-2	Selenium, Total	ND	2.07	0.267	U
7440-22-4	Silver, Total	ND	1.04	0.293	U
7440-23-5	Sodium, Total	72.2	207	3.26	J
7440-28-0	Thallium, Total	ND	2.07	0.326	U
7440-62-2	Vanadium, Total	8.22	1.04	0.210	
7440-66-6	Zinc, Total	19.0	5.18	0.303	

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Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-06	Date Collected	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 22:23
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1405123.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.322g	%Solids	: 94
Digestion Method	: EPA 3050B	Date Digested	: 08/31/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	3100	8.05	2.17	
7440-36-0	Antimony, Total	0.901	4.02	0.306	J
7440-38-2	Arsenic, Total	12.3	0.805	0.167	
7440-39-3	Barium, Total	100	0.805	0.140	
7440-41-7	Beryllium, Total	0.266	0.402	0.027	J
7440-43-9	Cadmium, Total	0.579	0.805	0.079	J
7440-70-2	Calcium, Total	16700	8.05	2.82	
7440-47-3	Chromium, Total	13.0	0.805	0.077	
7440-48-4	Cobalt, Total	9.15	1.61	0.134	
7440-50-8	Copper, Total	87.6	0.805	0.208	
7439-89-6	Iron, Total	13200	4.02	0.727	
7439-92-1	Lead, Total	183	4.02	0.216	
7439-95-4	Magnesium, Total	10300	8.05	1.24	
7439-96-5	Manganese, Total	242	0.805	0.128	
7440-02-0	Nickel, Total	29.0	2.01	0.195	
7440-09-7	Potassium, Total	804	201	11.6	
7782-49-2	Selenium, Total	ND	1.61	0.208	U
7440-22-4	Silver, Total	ND	0.805	0.228	U
7440-23-5	Sodium, Total	74.4	161	2.53	J
7440-28-0	Thallium, Total	ND	1.61	0.253	U
7440-62-2	Vanadium, Total	20.5	0.805	0.163	
7440-66-6	Zinc, Total	587	4.02	0.236	

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Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-07	Date Collected	: 08/26/20 12:50
Client ID	: SP-9 (6.5-7.0')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 22:59
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1405123.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.299g	%Solids	: 88
Digestion Method	: EPA 3050B	Date Digested	: 08/31/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	7050	8.77	2.37	
7440-36-0	Antimony, Total	3.89	4.38	0.333	J
7440-38-2	Arsenic, Total	6.58	0.877	0.182	
7440-39-3	Barium, Total	80.6	0.877	0.152	
7440-41-7	Beryllium, Total	0.447	0.438	0.029	
7440-43-9	Cadmium, Total	0.535	0.877	0.086	J
7440-70-2	Calcium, Total	1850	8.77	3.07	
7440-47-3	Chromium, Total	21.9	0.877	0.084	
7440-48-4	Cobalt, Total	6.22	1.75	0.146	
7440-50-8	Copper, Total	38.7	0.877	0.226	
7439-89-6	Iron, Total	33400	4.38	0.792	
7439-92-1	Lead, Total	169	4.38	0.235	
7439-95-4	Magnesium, Total	1610	8.77	1.35	
7439-96-5	Manganese, Total	310	0.877	0.139	
7440-02-0	Nickel, Total	13.4	2.19	0.212	
7440-09-7	Potassium, Total	636	219	12.6	
7782-49-2	Selenium, Total	ND	1.75	0.226	U
7440-22-4	Silver, Total	ND	0.877	0.248	U
7440-23-5	Sodium, Total	54.0	175	2.76	J
7440-28-0	Thallium, Total	ND	1.75	0.276	U
7440-62-2	Vanadium, Total	29.4	0.877	0.178	
7440-66-6	Zinc, Total	181	4.38	0.257	

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Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-08	Date Collected	: 08/26/20 13:30
Client ID	: MW-2A (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 23:04
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1405123.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.317g	%Solids	: 81
Digestion Method	: EPA 3050B	Date Digested	: 08/31/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	6640	9.33	2.52	
7440-36-0	Antimony, Total	ND	4.66	0.354	U
7440-38-2	Arsenic, Total	3.25	0.933	0.194	
7440-39-3	Barium, Total	59.8	0.933	0.162	
7440-41-7	Beryllium, Total	0.373	0.466	0.031	J
7440-43-9	Cadmium, Total	0.149	0.933	0.091	J
7440-70-2	Calcium, Total	1430	9.33	3.26	
7440-47-3	Chromium, Total	11.4	0.933	0.090	
7440-48-4	Cobalt, Total	4.30	1.86	0.155	
7440-50-8	Copper, Total	15.8	0.933	0.241	
7439-89-6	Iron, Total	12300	4.66	0.842	
7439-92-1	Lead, Total	52.9	4.66	0.250	
7439-95-4	Magnesium, Total	1400	9.33	1.44	
7439-96-5	Manganese, Total	178	0.933	0.148	
7440-02-0	Nickel, Total	8.08	2.33	0.226	
7440-09-7	Potassium, Total	423	233	13.4	
7782-49-2	Selenium, Total	ND	1.86	0.241	U
7440-22-4	Silver, Total	ND	0.933	0.264	U
7440-23-5	Sodium, Total	51.2	186	2.94	J
7440-28-0	Thallium, Total	ND	1.86	0.294	U
7440-62-2	Vanadium, Total	17.0	0.933	0.189	
7440-66-6	Zinc, Total	44.0	4.66	0.273	

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Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-09	Date Collected	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 23:08
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1405123.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.285g	%Solids	: 95
Digestion Method	: EPA 3050B	Date Digested	: 08/31/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	1450	8.22	2.22	
7440-36-0	Antimony, Total	0.624	4.11	0.312	J
7440-38-2	Arsenic, Total	13.4	0.822	0.171	
7440-39-3	Barium, Total	115	0.822	0.143	
7440-41-7	Beryllium, Total	0.238	0.411	0.027	J
7440-43-9	Cadmium, Total	0.501	0.822	0.081	J
7440-70-2	Calcium, Total	30300	8.22	2.88	
7440-47-3	Chromium, Total	7.95	0.822	0.079	
7440-48-4	Cobalt, Total	3.40	1.64	0.136	
7440-50-8	Copper, Total	33.4	0.822	0.212	
7439-89-6	Iron, Total	16200	4.11	0.742	
7439-92-1	Lead, Total	144	4.11	0.220	
7439-95-4	Magnesium, Total	16000	8.22	1.26	
7439-96-5	Manganese, Total	150	0.822	0.131	
7440-02-0	Nickel, Total	12.8	2.05	0.199	
7440-09-7	Potassium, Total	255	205	11.8	
7782-49-2	Selenium, Total	ND	1.64	0.212	U
7440-22-4	Silver, Total	ND	0.822	0.232	U
7440-23-5	Sodium, Total	60.8	164	2.59	J
7440-28-0	Thallium, Total	ND	1.64	0.259	U
7440-62-2	Vanadium, Total	11.9	0.822	0.167	
7440-66-6	Zinc, Total	116	4.11	0.241	

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Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-10	Date Collected	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 23:13
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1405123.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.327g	%Solids	: 91
Digestion Method	: EPA 3050B	Date Digested	: 08/31/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	3740	8.28	2.24	
7440-36-0	Antimony, Total	ND	4.14	0.315	U
7440-38-2	Arsenic, Total	0.447	0.828	0.172	J
7440-39-3	Barium, Total	28.8	0.828	0.144	
7440-41-7	Beryllium, Total	0.166	0.414	0.027	J
7440-43-9	Cadmium, Total	0.174	0.828	0.081	J
7440-70-2	Calcium, Total	2340	8.28	2.90	
7440-47-3	Chromium, Total	7.85	0.828	0.080	
7440-48-4	Cobalt, Total	6.98	1.66	0.137	
7440-50-8	Copper, Total	12.5	0.828	0.214	
7439-89-6	Iron, Total	23800	4.14	0.748	
7439-92-1	Lead, Total	60.8	4.14	0.222	
7439-95-4	Magnesium, Total	966	8.28	1.28	
7439-96-5	Manganese, Total	303	0.828	0.132	
7440-02-0	Nickel, Total	10.4	2.07	0.200	
7440-09-7	Potassium, Total	389	207	11.9	
7782-49-2	Selenium, Total	0.224	1.66	0.214	J
7440-22-4	Silver, Total	ND	0.828	0.234	U
7440-23-5	Sodium, Total	55.5	166	2.61	J
7440-28-0	Thallium, Total	ND	1.66	0.261	U
7440-62-2	Vanadium, Total	13.4	0.828	0.168	
7440-66-6	Zinc, Total	30.7	4.14	0.243	

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Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-11	Date Collected	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 23:17
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1405123.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.312g	%Solids	: 90
Digestion Method	: EPA 3050B	Date Digested	: 08/31/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	9150	8.52	2.30	
7440-36-0	Antimony, Total	ND	4.26	0.324	U
7440-38-2	Arsenic, Total	0.332	0.852	0.177	J
7440-39-3	Barium, Total	44.9	0.852	0.148	
7440-41-7	Beryllium, Total	0.349	0.426	0.028	J
7440-43-9	Cadmium, Total	ND	0.852	0.083	U
7440-70-2	Calcium, Total	901	8.52	2.98	
7440-47-3	Chromium, Total	23.5	0.852	0.082	
7440-48-4	Cobalt, Total	6.46	1.70	0.141	
7440-50-8	Copper, Total	16.0	0.852	0.220	
7439-89-6	Iron, Total	10400	4.26	0.769	
7439-92-1	Lead, Total	6.68	4.26	0.228	
7439-95-4	Magnesium, Total	2910	8.52	1.31	
7439-96-5	Manganese, Total	74.5	0.852	0.135	
7440-02-0	Nickel, Total	13.4	2.13	0.206	
7440-09-7	Potassium, Total	919	213	12.3	
7782-49-2	Selenium, Total	ND	1.70	0.220	U
7440-22-4	Silver, Total	ND	0.852	0.241	U
7440-23-5	Sodium, Total	35.6	170	2.68	J
7440-28-0	Thallium, Total	ND	1.70	0.268	U
7440-62-2	Vanadium, Total	19.0	0.852	0.173	
7440-66-6	Zinc, Total	40.0	4.26	0.250	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-12	Date Collected	: 08/26/20 15:18
Client ID	: 20200826DUP	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 23:22
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1405123.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.292g	%Solids	: 87
Digestion Method	: EPA 3050B	Date Digested	: 08/31/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	8570	8.86	2.39	
7440-36-0	Antimony, Total	ND	4.43	0.336	U
7440-38-2	Arsenic, Total	0.443	0.886	0.184	J
7440-39-3	Barium, Total	41.7	0.886	0.154	
7440-41-7	Beryllium, Total	0.328	0.443	0.029	J
7440-43-9	Cadmium, Total	ND	0.886	0.087	U
7440-70-2	Calcium, Total	827	8.86	3.10	
7440-47-3	Chromium, Total	20.2	0.886	0.085	
7440-48-4	Cobalt, Total	6.46	1.77	0.147	
7440-50-8	Copper, Total	14.0	0.886	0.228	
7439-89-6	Iron, Total	9740	4.43	0.800	
7439-92-1	Lead, Total	6.38	4.43	0.237	
7439-95-4	Magnesium, Total	2750	8.86	1.36	
7439-96-5	Manganese, Total	70.4	0.886	0.141	
7440-02-0	Nickel, Total	12.6	2.21	0.214	
7440-09-7	Potassium, Total	821	221	12.8	
7782-49-2	Selenium, Total	ND	1.77	0.228	U
7440-22-4	Silver, Total	ND	0.886	0.251	U
7440-23-5	Sodium, Total	33.3	177	2.79	J
7440-28-0	Thallium, Total	ND	1.77	0.279	U
7440-62-2	Vanadium, Total	18.4	0.886	0.180	
7440-66-6	Zinc, Total	37.1	4.43	0.259	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1404137-1	Date Collected	: NA
Client ID	: WG1404137-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/01/20 21:10
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1405123.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.25g	%Solids	: NA
Digestion Method	: EPA 3050B	Date Digested	: 08/31/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	4.00	1.08	U
7440-36-0	Antimony, Total	ND	2.00	0.152	U
7440-38-2	Arsenic, Total	ND	0.400	0.083	U
7440-39-3	Barium, Total	ND	0.400	0.070	U
7440-41-7	Beryllium, Total	ND	0.200	0.013	U
7440-43-9	Cadmium, Total	ND	0.400	0.039	U
7440-70-2	Calcium, Total	ND	4.00	1.40	U
7440-47-3	Chromium, Total	0.096	0.400	0.038	J
7440-48-4	Cobalt, Total	ND	0.800	0.066	U
7440-50-8	Copper, Total	ND	0.400	0.103	U
7439-89-6	Iron, Total	0.772	2.00	0.361	J
7439-92-1	Lead, Total	ND	2.00	0.107	U
7439-95-4	Magnesium, Total	ND	4.00	0.616	U
7439-96-5	Manganese, Total	ND	0.400	0.064	U
7440-02-0	Nickel, Total	ND	1.00	0.097	U
7440-09-7	Potassium, Total	ND	100	5.76	U
7782-49-2	Selenium, Total	ND	0.800	0.103	U
7440-22-4	Silver, Total	ND	0.400	0.113	U
7440-23-5	Sodium, Total	ND	80.0	1.26	U
7440-28-0	Thallium, Total	ND	0.800	0.126	U
7440-62-2	Vanadium, Total	ND	0.400	0.081	U
7440-66-6	Zinc, Total	ND	2.00	0.117	U

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1404137-4	Date Collected	: 08/26/20 09:50
Client ID	: SP-7 (0-2')DUP	Date Received	: 08/27/20
Sample Location	:	Date Analyzed	: 09/01/20 21:28
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1405123.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.315g	%Solids	: 87
Digestion Method	: EPA 3050B	Date Digested	: 08/31/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	2810	8.73	2.36	
7440-36-0	Antimony, Total	1.20	4.36	0.332	J
7440-38-2	Arsenic, Total	ND	0.873	0.182	U
7440-39-3	Barium, Total	86.6	0.873	0.152	
7440-41-7	Beryllium, Total	0.148	0.436	0.029	J
7440-43-9	Cadmium, Total	1.07	0.873	0.086	
7440-47-3	Chromium, Total	13.8	0.873	0.084	
7440-48-4	Cobalt, Total	3.19	1.75	0.145	
7440-50-8	Copper, Total	35.9	0.873	0.225	
7439-89-6	Iron, Total	38100	4.36	0.788	
7439-92-1	Lead, Total	422	4.36	0.234	
7439-95-4	Magnesium, Total	34000	8.73	1.34	
7439-96-5	Manganese, Total	345	0.873	0.139	
7440-02-0	Nickel, Total	14.6	2.18	0.211	
7440-09-7	Potassium, Total	728	218	12.6	
7782-49-2	Selenium, Total	0.410	1.75	0.225	J
7440-22-4	Silver, Total	2.64	0.873	0.247	
7440-23-5	Sodium, Total	108	175	2.75	J
7440-28-0	Thallium, Total	ND	1.75	0.275	U
7440-62-2	Vanadium, Total	13.9	0.873	0.177	
7440-66-6	Zinc, Total	141	4.36	0.256	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1404137-4	**Date Collected**	: 08/26/20 09:50
Client ID	: SP-7 (0-2')DUP	**Date Received**	: 08/27/20
Sample Location	:	**Date Analyzed**	: 09/01/20 22:36
Sample Matrix	: SOIL	**Dilution Factor**	: 20
Analytical Method	: 1,6010D	**Analyst**	: BV
Lab File ID	: WG1405123.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 1.315g	**%Solids**	: 87
Digestion Method	: EPA 3050B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-70-2	Calcium, Total	76800	87.3	30.6	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/02/20 17:25
Sample Matrix	: SOIL	**Dilution Factor**	: 20
Analytical Method	: 1,6010D	**Analyst**	: BV
Lab File ID	: 090220.txt_icap.txt	**Instrument ID**	: TRACE4
Sample Amount	: 1.313g	**%Solids**	: 84
Digestion Method	: EPA 3050B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-70-2	Calcium, Total	60200	90.8	31.8	

Form 3
Blanks

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Instrument ID	: TRACE5		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1345408-37		R1345408-27		R1345408-29		R1345408-31			
Date Analyzed :	09/01/20 21:00		09/01/20 17:41		09/01/20 18:37		09/01/20 19:31			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum	0.0270	U	0.0270	U	0.0270	U	0.0270	U		
Antimony	0.00380	U	0.00380	U	0.00380	U	0.00380	U		
Arsenic	0.00208	U	0.00208	U	0.00208	U	0.00208	U		
Barium	0.00174	U	0.00174	U	0.00174	U	0.00174	U		
Beryllium	0.000400	J	0.000330	U	0.000330	U	0.000330	U		
Cadmium	0.000980	U	0.000980	U	0.000980	U	0.000980	U		
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U		
Chromium	0.000960	U	0.000960	U	0.000960	U	0.000960	U		
Cobalt	0.00166	U	0.00166	U	0.00166	U	0.00166	U		
Copper	0.00258	U	0.00258	U	0.00258	U	0.00258	U		
Iron	0.00903	U	0.00903	U	0.0172	J	0.0128	J		
Lead	0.00268	U	0.00268	U	0.00268	U	0.00268	U		
Magnesium	0.0154	U	0.0154	U	0.0154	U	0.0154	U		
Manganese	0.00159	U	0.00159	U	0.00159	U	0.00159	U		
Nickel	0.00242	U	0.00242	U	0.00242	U	0.00242	U		
Potassium	0.144	U	0.144	U	0.144	U	0.144	U		
Selenium	0.00258	U	0.00258	U	0.00258	U	0.00258	U		
Silver	0.00283	U	0.00283	U	0.00283	U	0.00283	U		
Sodium	0.0315	U	0.0879	J	0.0409	J	0.0337	J		
Thallium	0.00315	U	0.00315	U	0.00315	U	0.00315	U		
Vanadium	0.00203	U	0.00203	U	0.00203	U	0.00203	U		
Zinc	0.00293	U	0.00293	U	0.00293	U	0.00293	U		

Form 3
Blanks

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Instrument ID	: TRACE5		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1345408-33		R1345408-35		R1345408-39			
Date Analyzed :			09/01/20 20:26		09/01/20 22:00		09/01/20 22:54			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum			0.0270	U	0.0312	J	0.0270	U		
Antimony			0.00380	U	0.00380	U	0.00380	U		
Arsenic			0.00208	U	0.00208	U	0.00208	U		
Barium			0.00174	U	0.00174	U	0.00174	U		
Beryllium			0.000330	U	0.000330	U	0.000600	J		
Cadmium			0.000980	U	0.000980	U	0.000980	U		
Calcium			0.0350	U	0.0350	U	0.0350	U		
Chromium			0.000960	U	0.000960	U	0.000960	U		
Cobalt			0.00166	U	0.00166	U	0.00166	U		
Copper			0.00258	U	0.00258	U	0.00258	U		
Iron			0.0194	J	0.00903	U	0.00903	U		
Lead			0.00310	J	0.00268	U	0.00268	U		
Magnesium			0.0154	U	0.0154	U	0.0154	U		
Manganese			0.00159	U	0.00159	U	0.00159	U		
Nickel			0.00242	U	0.00242	U	0.00242	U		
Potassium			0.144	U	0.144	U	0.144	U		
Selenium			0.00258	U	0.00258	U	0.00258	U		
Silver			0.00283	U	0.00283	U	0.00283	U		
Sodium			0.0326	J	0.0315	U	0.0315	U		
Thallium			0.00315	U	0.00315	U	0.00315	U		
Vanadium			0.00203	U	0.00203	U	0.00203	U		
Zinc			0.00293	U	0.00293	U	0.00293	U		

Form 3
Blanks

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Instrument ID	: TRACE5		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1345408-41							
Date Analyzed :			09/01/20 23:49							
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum			0.0270	U						
Antimony			0.00380	U						
Arsenic			0.00208	U						
Barium			0.00174	U						
Beryllium			0.000400	J						
Cadmium			0.000980	U						
Calcium			0.0350	U						
Chromium			0.000960	U						
Cobalt			0.00166	U						
Copper			0.00258	U						
Iron			0.00903	U						
Lead			0.00268	U						
Magnesium			0.0154	U						
Manganese			0.00159	U						
Nickel			0.00242	U						
Potassium			0.144	U						
Selenium			0.00258	U						
Silver			0.00283	U						
Sodium			0.0315	U						
Thallium			0.00315	U						
Vanadium			0.00203	U						
Zinc			0.00293	U						

Form 5a
Matrix Spike

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Client Sample ID	: SP-7 (0-2')	**Matrix**	: SOIL
Lab Sample ID	: L2035276-01		
Matrix Spike	: WG1404137-3	**MS Analysis Date**	: 09/01/20 21:23
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	4270	174	4340	40	Q					75-125	20
Antimony, Total	1.33J	43.6	39.0	90						75-125	20
Arsenic, Total	2.19	10.4	13.2	105						75-125	20
Barium, Total	172	174	260	50	Q					75-125	20
Beryllium, Total	0.219J	4.36	4.34	100						75-125	20
Cadmium, Total	1.63	4.44	5.04	77						75-125	20
Chromium, Total	19.6	17.4	31.9	71	Q					75-125	20
Cobalt, Total	5.00	43.6	42.5	86						75-125	20
Copper, Total	199	21.8	61.0	0	Q					75-125	20
Iron, Total	26200	87.1	16300	0	Q					75-125	20
Lead, Total	1260	44.4	269	0	Q					75-125	20
Magnesium, Total	9180	871	13600	507	Q					75-125	20
Manganese, Total	282	43.6	283	2	Q					75-125	20
Nickel, Total	13.6	43.6	47.6	78						75-125	20
Potassium, Total	912	871	1530	71	Q					75-125	20
Selenium, Total	ND	10.4	10.6	101						75-125	20
Silver, Total	4.41	26.1	29.4	96						75-125	20
Sodium, Total	154J	871	1040	119						75-125	20
Thallium, Total	ND	10.4	8.17	78						75-125	20
Vanadium, Total	21.6	43.6	58.7	85						75-125	20
Zinc, Total	200	43.6	183	0	Q					75-125	20

Form 5b
Post Digest Spike Recovery

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Client Sample ID	: SP-7 (0-2')	**Matrix**	: SOIL
Lab Sample ID	: L2035276-01		
Post Spike	: WG1404137-5	**PS Analysis Date**	: 09/01/20 21:33

		Post Spike Sample			
Parameter	**Sample Conc. (mg/kg)**	**Spike Added (mg/kg)**	**Spike Conc. (mg/kg)**	**%R**	**Recovery Limits**
Aluminum, Total	4270	175	4240	0	75-125
Barium, Total	172	175	331	91	75-125
Chromium, Total	19.6	17.5	34.7	86	75-125
Copper, Total	199	21.9	212	59	75-125
Iron, Total	26200	87.6	25300	0	75-125
Lead, Total	1260	44.7	1270	22	75-125
Magnesium, Total	9180	876	9730	63	75-125
Manganese, Total	282	43.8	308	59	75-125
Potassium, Total	912	876	1740	94	75-125
Thallium, Total	ND	10.5	8.85	84	75-125
Zinc, Total	200	43.8	236	82	75-125

Form 6
Lab Duplicates

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Client Sample ID	: SP-7 (0-2')	**Matrix**	: SOIL
Lab Sample ID	: L2035276-01	**Analysis Date**	: 09/01/20 22:27
Dup Sample ID	: WG1404137-4	**DUP Analysis Date**	: 09/01/20 22:36

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Calcium, Total	35400	76800	74 Q	20

Form 6
Lab Duplicates

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Client Sample ID	: SP-7 (0-2')	**Matrix**	: SOIL
Lab Sample ID	: L2035276-01	**Analysis Date**	: 09/01/20 21:19
Dup Sample ID	: WG1404137-4	**DUP Analysis Date**	: 09/01/20 21:28

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aluminum, Total	4270	2810	41 Q	20
Antimony, Total	1.33J	1.20J	NC	20
Arsenic, Total	2.19	ND	NC	20
Barium, Total	172	86.6	66 Q	20
Beryllium, Total	0.219J	0.148J	NC	20
Cadmium, Total	1.63	1.07	41 Q	20
Chromium, Total	19.6	13.8	35 Q	20
Cobalt, Total	5.00	3.19	44 Q	20
Copper, Total	199	35.9	139 Q	20
Iron, Total	26200	38100	37 Q	20
Lead, Total	1260	422	100 Q	20
Magnesium, Total	9180	34000	115 Q	20
Manganese, Total	282	345	20	20
Nickel, Total	13.6	14.6	7	20
Potassium, Total	912	728	22 Q	20
Selenium, Total	ND	0.410J	NC	20
Silver, Total	4.41	2.64	50 Q	20
Sodium, Total	154J	108J	NC	20
Thallium, Total	ND	ND	NC	20
Vanadium, Total	21.6	13.9	43 Q	20
Zinc, Total	200	141	35 Q	20

Form 7
Laboratory Control Sample

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: WG1404137-2	**LCS Analysis Date**	: 09/01/20 21:14
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	8130	4910	60.					50-150	20
Antimony, Total	134.	196.	146.					19-250	20
Arsenic, Total	156.	152.	97.					70-130	20
Barium, Total	239.	217.	91.					75-125	20
Beryllium, Total	169.	162.	96.					75-125	20
Cadmium, Total	137.	132.	96.					75-125	20
Calcium, Total	4760	4330	91.					73-128	20
Chromium, Total	154.	144.	94.					70-130	20
Cobalt, Total	121.	114.	94.					75-125	20
Copper, Total	54.9	49.8	91.					75-125	20
Iron, Total	14100	14000	99.					35-165	20
Lead, Total	130.	125.	96.					72-128	20
Magnesium, Total	2320	1830	79.					62-138	20
Manganese, Total	269.	263.	98.					74-126	20
Nickel, Total	53.9	50.6	94.					70-130	20
Potassium, Total	2020	1560	77.					59-141	20
Selenium, Total	167.	157.	94.					68-132	20
Silver, Total	33.6	32.2	96.					68-131	20
Sodium, Total	1420	1420	100.					35-165	20
Thallium, Total	112.	107.	96.					68-131	20
Vanadium, Total	62.6	58.7	94.					59-141	20
Zinc, Total	158.	148.	94.					70-130	20

Form 8
Serial Dilutions

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Client Sample ID	: SP-7 (0-2')	**Matrix**	: SOIL
Lab Sample ID	: L2035276-01	**Analysis Date**	: 09/01/20 21:19
Serial Dilution ID	: WG1404137-6	**Analysis Date**	: 09/01/20 21:51

Parameter	Initial Sample Result (mg/kg)	Serial Dilution Result (mg/kg)	% Difference	%D Limit
Aluminum, Total	4270	5090	19	20
Barium, Total	172	203	18	20
Copper, Total	199	231	16	20
Iron, Total	26200	33000	26*	20
Lead, Total	1260	1360	8	20
Magnesium, Total	9180	11400	24*	20
Manganese, Total	282	354	26*	20
Zinc, Total	200	218	9	20

Form 8
Serial Dilutions

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Client Sample ID	: SP-7 (0-2')	**Matrix**	: SOIL
Lab Sample ID	: L2035276-01	**Analysis Date**	: 09/01/20 22:27
Serial Dilution ID	: WG1404137-6	**Analysis Date**	: 09/01/20 22:45

Parameter	Initial Sample Result (mg/kg)	Serial Dilution Result (mg/kg)	% Difference	%D Limit
Calcium, Total	35400	26000	27*	20

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035276-13	Date Collected	: 08/26/20 16:00
Client ID	: 20200826EB	Date Received	: 08/27/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/01/20 08:50
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: AM
Lab File ID	: WG1405104.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/31/20

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	0.0100	0.00327	U
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U
7440-39-3	Barium, Total	0.00017	0.00050	0.00017	J
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	ND	0.100	0.0394	U
7440-47-3	Chromium, Total	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	ND	0.0500	0.0191	U
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	ND	0.0700	0.0242	U
7439-96-5	Manganese, Total	ND	0.00100	0.00044	U
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	ND	0.100	0.0309	U
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	ND	0.100	0.0293	U
7440-28-0	Thallium, Total	ND	0.00050	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035276
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1404848-1	Date Collected	: NA
Client ID	: WG1404848-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/01/20 08:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: AM
Lab File ID	: WG1405104.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/31/20

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	0.0100	0.00327	U
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U
7440-39-3	Barium, Total	ND	0.00050	0.00017	U
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	ND	0.100	0.0394	U
7440-47-3	Chromium, Total	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	ND	0.0500	0.0191	U
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	ND	0.0700	0.0242	U
7439-96-5	Manganese, Total	ND	0.00100	0.00044	U
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	ND	0.100	0.0309	U
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	ND	0.100	0.0293	U
7440-28-0	Thallium, Total	ND	0.00050	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

Form 3
Blanks

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Instrument ID	: ICPMSQ2		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1345370-2		R1345370-5		R1345370-7				WG1404848-1	
Date Analyzed :	09/01/20 08:15		09/01/20 08:40		09/01/20 09:40				09/01/20 08:45	
Parameter	ug/l	Q	ug/l	Q	ug/l	Q	ug/l	Q	mg/l	Q
Aluminum	3.27	U	3.27	U	3.27	U			0.00327	U
Antimony	0.429	U	0.429	U	0.429	U			0.00042	U
Arsenic	0.165	U	0.165	U	0.165	U			0.00016	U
Barium	0.173	U	0.173	U	0.173	U			0.00017	U
Beryllium	0.107	U	0.107	U	0.107	U			0.00010	U
Cadmium	0.0599	U	0.0599	U	0.0599	U			0.00005	U
Calcium	39.4	U	39.4	U	39.4	U			0.0394	U
Chromium	0.178	U	0.178	U	0.178	U			0.00017	U
Cobalt	0.163	U	0.163	U	0.163	U			0.00016	U
Copper	0.384	U	0.384	U	0.384	U			0.00038	U
Iron	19.1	U	30.6	J	21.5	J			0.0191	U
Lead	0.343	U	0.343	U	0.343	U			0.00034	U
Magnesium	24.2	U	24.2	U	24.2	U			0.0242	U
Manganese	0.440	U	0.440	U	0.440	U			0.00044	U
Nickel	0.556	U	0.556	U	0.556	U			0.00055	U
Potassium	30.9	U	30.9	U	30.9	U			0.0309	U
Selenium	1.73	U	1.73	U	1.73	U			0.00173	U
Silver	0.163	U	0.163	U	0.163	U			0.00016	U
Sodium	29.3	U	29.3	U	29.3	U			0.0293	U
Thallium	0.331	J	0.358	J	0.393	J			0.00014	U
Vanadium	1.57	U	1.57	U	1.57	U			0.00157	U
Zinc	3.41	U	3.41	U	3.41	U			0.00341	U

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-13	**Date Collected**	: 08/26/20 16:00
Client ID	: 20200826EB	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 11:29
Sample Matrix	: Equipment Blank	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: EW
Lab File ID	: HG090220ACOPY	**Instrument ID**	: FIMS4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 09/01/20

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1404853-1	**Date Collected**	: NA
Client ID	: WG1404853-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/01/20 11:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: EW
Lab File ID	: HG090220ACOPY	**Instrument ID**	: FIMS4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 09/01/20

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1404853-4	**Date Collected**	: 08/26/20 16:00
Client ID	: 20200826EBDUP	**Date Received**	: 08/27/20
Sample Location	:	**Date Analyzed**	: 09/01/20 11:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: EW
Lab File ID	: HG090220ACOPY	**Instrument ID**	: FIMS4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 09/01/20

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.0001	U

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-01	**Date Collected**	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 09:59
Sample Matrix	: SOIL	**Dilution Factor**	: 5
Analytical Method	: 1,7471B	**Analyst**	: EW
Lab File ID	: WG1405116.pdf	**Instrument ID**	: NIC1
Sample Amount	: 0.364g	**%Solids**	: 87
Digestion Method	: EPA 7471B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	7.28	0.394	0.257	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 09:13
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: EW
Lab File ID	: WG1405116.pdf	**Instrument ID**	: NIC1
Sample Amount	: 0.372g	**%Solids**	: 84
Digestion Method	: EPA 7471B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	1.46	0.080	0.052	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-03	**Date Collected**	: 08/26/20 10:20
Client ID	: SP-8 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 09:16
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: EW
Lab File ID	: WG1405116.pdf	**Instrument ID**	: NIC1
Sample Amount	: 0.352g	**%Solids**	: 94
Digestion Method	: EPA 7471B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.089	0.075	0.049	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-04	**Date Collected**	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 10:12
Sample Matrix	: SOIL	**Dilution Factor**	: 5
Analytical Method	: 1,7471B	**Analyst**	: EW
Lab File ID	: WG1405116.pdf	**Instrument ID**	: NIC1
Sample Amount	: 0.393g	**%Solids**	: 89
Digestion Method	: EPA 7471B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	3.42	0.356	0.232	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-05	**Date Collected**	: 08/26/20 10:58
Client ID	: SP-8 (9-9.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 09:26
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: EW
Lab File ID	: WG1405116.pdf	**Instrument ID**	: NIC1
Sample Amount	: 0.34g	**%Solids**	: 74
Digestion Method	: EPA 7471B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.099	0.065	U

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-06	**Date Collected**	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 09:29
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: EW
Lab File ID	: WG1405116.pdf	**Instrument ID**	: NIC1
Sample Amount	: 0.392g	**%Solids**	: 94
Digestion Method	: EPA 7471B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.415	0.068	0.044	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-07	**Date Collected**	: 08/26/20 12:50
Client ID	: SP-9 (6.5-7.0')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 09:39
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: EW
Lab File ID	: WG1405116.pdf	**Instrument ID**	: NIC1
Sample Amount	: 0.343g	**%Solids**	: 88
Digestion Method	: EPA 7471B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.780	0.083	0.054	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-08	**Date Collected**	: 08/26/20 13:30
Client ID	: MW-2A (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 09:42
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: EW
Lab File ID	: WG1405116.pdf	**Instrument ID**	: NIC1
Sample Amount	: 0.374g	**%Solids**	: 81
Digestion Method	: EPA 7471B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.172	0.082	0.054	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-09	**Date Collected**	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 09:45
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: EW
Lab File ID	: WG1405116.pdf	**Instrument ID**	: NIC1
Sample Amount	: 0.399g	**%Solids**	: 95
Digestion Method	: EPA 7471B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.151	0.066	0.043	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-10	**Date Collected**	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 09:49
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: EW
Lab File ID	: WG1405116.pdf	**Instrument ID**	: NIC1
Sample Amount	: 0.373g	**%Solids**	: 91
Digestion Method	: EPA 7471B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.362	0.074	0.048	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-11	**Date Collected**	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 09:52
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: EW
Lab File ID	: WG1405116.pdf	**Instrument ID**	: NIC1
Sample Amount	: 0.329g	**%Solids**	: 90
Digestion Method	: EPA 7471B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.085	0.055	U

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-12	**Date Collected**	: 08/26/20 15:18
Client ID	: 20200826DUP	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/01/20 09:55
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: EW
Lab File ID	: WG1405116.pdf	**Instrument ID**	: NIC1
Sample Amount	: 0.33g	**%Solids**	: 87
Digestion Method	: EPA 7471B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.087	0.057	U

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1404817-1	**Date Collected**	: NA
Client ID	: WG1404817-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/01/20 08:35
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: EW
Lab File ID	: WG1405116.pdf	**Instrument ID**	: NIC1
Sample Amount	: 0.3g	**%Solids**	: NA
Digestion Method	: EPA 7471B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.083	0.054	U

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1404817-4	**Date Collected**	: 08/26/20 09:50
Client ID	: SP-7 (0-2')DUP	**Date Received**	: 08/27/20
Sample Location	:	**Date Analyzed**	: 09/01/20 10:09
Sample Matrix	: SOIL	**Dilution Factor**	: 5
Analytical Method	: 1,7471B	**Analyst**	: EW
Lab File ID	: WG1405116.pdf	**Instrument ID**	: NIC1
Sample Amount	: 0.338g	**%Solids**	: 87
Digestion Method	: EPA 7471B	**Date Digested**	: 08/31/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	5.94	0.424	0.277	

Form 1
WETCHEM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-01	**Date Collected**	: 08/26/20 09:50
Client ID	: SP-7 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/28/20 12:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1404072.pdf	**Instrument ID**	: BALANCE#47
Sample Amount	:	**%Solids**	: 87
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**87.1**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-02	**Date Collected**	: 08/26/20 10:00
Client ID	: SP-7 (8-8.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/28/20 12:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1404072.pdf	**Instrument ID**	: BALANCE#47
Sample Amount	:	**%Solids**	: 84
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**83.9**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-03	**Date Collected**	: 08/26/20 10:20
Client ID	: SP-8 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/28/20 12:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1404072.pdf	**Instrument ID**	: BALANCE#47
Sample Amount	:	**%Solids**	: 94
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**94.3**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-04	**Date Collected**	: 08/26/20 10:40
Client ID	: SP-8 (7-7.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/28/20 12:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1404072.pdf	**Instrument ID**	: BALANCE#47
Sample Amount	:	**%Solids**	: 89
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**89.2**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-05	**Date Collected**	: 08/26/20 10:58
Client ID	: SP-8 (9-9.5')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/28/20 12:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1404072.pdf	**Instrument ID**	: BALANCE#47
Sample Amount	:	**%Solids**	: 74
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**74.1**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-06	**Date Collected**	: 08/26/20 12:30
Client ID	: SP-9 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/28/20 12:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1404072.pdf	**Instrument ID**	: BALANCE#47
Sample Amount	:	**%Solids**	: 94
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**94.0**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-07	**Date Collected**	: 08/26/20 12:50
Client ID	: SP-9 (6.5-7.0')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/28/20 12:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1404072.pdf	**Instrument ID**	: BALANCE#47
Sample Amount	:	**%Solids**	: 88
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**87.8**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-08	**Date Collected**	: 08/26/20 13:30
Client ID	: MW-2A (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/28/20 12:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1404072.pdf	**Instrument ID**	: BALANCE#47
Sample Amount	:	**%Solids**	: 81
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**81.4**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-09	**Date Collected**	: 08/26/20 14:50
Client ID	: SP-10 (0-2')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/28/20 12:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1404072.pdf	**Instrument ID**	: BALANCE#47
Sample Amount	:	**%Solids**	: 95
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**94.7**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-10	**Date Collected**	: 08/26/20 15:30
Client ID	: SP-10 (7.5-8')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/28/20 12:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1404072.pdf	**Instrument ID**	: BALANCE#47
Sample Amount	:	**%Solids**	: 91
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**91.0**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-11	**Date Collected**	: 08/26/20 15:15
Client ID	: SP-10 (9.5-10')	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/28/20 12:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1404072.pdf	**Instrument ID**	: BALANCE#47
Sample Amount	:	**%Solids**	: 90
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**89.5**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035276-12	**Date Collected**	: 08/26/20 15:18
Client ID	: 20200826DUP	**Date Received**	: 08/27/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 08/28/20 12:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1404072.pdf	**Instrument ID**	: BALANCE#47
Sample Amount	:	**%Solids**	: 87
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**87.4**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035276
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1404072-1	**Date Collected**	: 08/26/20 09:50
Client ID	: SP-7 (0-2')DUP	**Date Received**	: 08/27/20
Sample Location	:	**Date Analyzed**	: 08/28/20 12:21
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1404072.pdf	**Instrument ID**	: BALANCE#47
Sample Amount	:	**%Solids**	: 87
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**87.3**	**0.100**	**NA**	

```
    Standard Area 2 = 670519                    Recovery    =   87.73%
104) IS1_Chrysene-d12            11.360  240    491986    40.000 ug/ml    0.02
    Standard Area 1 = 564935                    Recovery    =   87.09%
113) IS1_Perylene-d12            12.809  264    505045    40.000 ug/ml    0.02
    Standard Area 1 = 531753                    Recovery    =   94.98%

  System Monitoring Compounds
  4) 2-Fluorophenol               3.127  112     15862     3.620 ug/ml    0.02
    Spiked Amount     50.000   Range  15 - 110    Recovery    =    7.24%#
  7) Phenol-d6                    4.115   99    109659    19.813 ug/ml    0.02
    Spiked Amount     50.000   Range  15 - 110    Recovery    =   39.63%
 19) Nitrobenzene-d5              4.951   82     89479    19.034 ug/ml    0.00
    Spiked Amount     25.000   Range  30 - 130    Recovery    =   76.14%
 46) 2-Fluorobiphenyl             6.707  172    195618    18.129 ug/ml    0.00
    Spiked Amount     25.000   Range  30 - 130    Recovery    =   72.52%
 79) 2,4,6-Tribromophenol         8.100  330       276M2     0.168 ug/ml    0.00

    Spiked Amount     50.000   Range  15 - 110    Recovery    =    0.34%#

FS200616SV112.m Wed Sep 02 19:55:30 2020                          Page:  1
```

```
                    Quantitation Report    (QT Reviewed)

 Data Path : I:\8270\SV112\200902\
 Data File : 35276-02.D
 Acq On    : 02 Sep 2020  05:04 pm
 Operator  : SV112:im
 Sample    : L2035276-02,32,,am
 Misc      : WG1405623,wg1405442,ical16896
 ALS Vial  : 20   Sample Multiplier: 1

 Quant Time: Sep 02 19:55:09 2020
 Quant Method : I:\8270\SV112\200902\FS200616SV112.m
 Quant Title  : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 02 17:39:21 2020
 Response via : Initial Calibration

 CCAL FILE(s) : 1 - I:\8270\SV112\200902\ABN0902.D
              : 2 - I:\8270\SV112\200902\ADP0902.D
              : 3 - I:\8270\SV112\200902\AP90902.D
 Sub List     : 8270TCL_REV2 - TCL/CT/MA

        Compound                    R.T. QIon  Response  Conc Units Dev(Min)
 ------------------------------------------------------------------------------
 96) 4-Terphenyl-d14              10.331  244    206348    16.497 ug/ml    0.01
    Spiked Amount     25.000   Range  30 - 130    Recovery    =   65.99%

  Target Compounds                                                    Qvalue
  2) n-Nitrosodimethylamine       0.000                0       N.D.
  3) Pyridine                     0.000                0       N.D.
  5) Aniline                      0.000                0       N.D. d
  6) 2-Chlorophenol               0.000                0       N.D.
  8) Phenol                       0.000                0       N.D. d
  9) Bis(2-chloroethyl)ether      0.000                0       N.D. d
 10) 1,3-Dichlorobenzene          0.000                0       N.D.
 11) 1,4-Dichlorobenzene          0.000                0       N.D.
```

ORGANIC ELN REPORT

Workgroup: WG1405864

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** DZ276
Surrogate Type: ABN **Lot #:** 8862 (01/13/21)
Spike Type: ABN-SIM **Lot #:** 8778 (10/31/20)
Spike Verify by: JAK/ ISG
Lims Spikelot: 8270-LVI

Additional Reagents/Stds

H2SO4	AO83020
Na2SO4	0000244889
NaOH	10NNaOH082620

Conc.Method: Buchi
Solvent Type: DCM
Lot #: dz651

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2035263-04	09/03/20 07:25	Ilan Grossman	275	<2,>12	1		09/03/20 11:53	Mark Gillespie	1	M
L2035276-13	09/03/20 07:25	Ilan Grossman	275	<2,>12	1		09/03/20 11:53	Mark Gillespie	1	M
L2035280-23 WATER	09/03/20 16:13	Jonathan Ahiaba	275	<2,>12	1		09/04/20 04:24	John Awuah	1	M
L2035692-03 WATER	09/02/20 17:17	Will Chaifetz	275	<2,>12	1		09/02/20 21:53	Shaun Mordo	1	M
L2035899-01 WATER	09/03/20 16:13	Jonathan Ahiaba	275	<2,>12	1		09/04/20 04:24	John Awuah	1	M
L2035899-04 WATER	09/02/20 17:17	Will Chaifetz	275	<2,>12	1		09/02/20 21:53	Shaun Mordo	1	M

Reported: 03-MAY-22 08:10 AM

ORGANIC ELN REPORT

Workgroup: WG1405864

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2035899-05 WATER	09/03/20 16:13	Jonathan Ahiaba	275	<2,>12	1		09/04/20 04:24	John Awuah	1	M
L2036049-07 WATER	09/02/20 17:17	Will Chaifetz	275	<2,>12	1		09/02/20 21:53	Shaun Mordo	1	M
L2036060-15 WATER	09/03/20 16:13	Jonathan Ahiaba	275	<2,>12	1		09/04/20 04:24	John Awuah	1	M
L2036093-01 WATER	09/03/20 16:13	Jonathan Ahiaba	275	<2,>12	1		09/04/20 04:24	John Awuah	1	M
L2036093-02 WATER	09/03/20 16:13	Jonathan Ahiaba	275	<2,>12	1		09/04/20 04:24	John Awuah	1	M
L2036093-03 WATER	09/03/20 16:13	Jonathan Ahiaba	275	<2,>12	1		09/04/20 04:24	John Awuah	1	M
L2036093-04 WATER	09/03/20 16:13	Jonathan Ahiaba	275	<2,>12	1		09/04/20 04:24	John Awuah	1	M
L2036093-05 WATER	09/03/20 16:13	Jonathan Ahiaba	275	<2,>12	1		09/04/20 04:25	John Awuah	1	M
WG1405864-1 BLANK	09/02/20 17:17 **WG1405841**	Will Chaifetz	275	<2,>12	1		09/02/20 21:53	Shaun Mordo	1	M
WG1405864-2 LCS	09/02/20 17:17	Will Chaifetz	275	<2,>12	1	1	09/02/20 21:53	Shaun Mordo	1	M

Reported: 03-MAY-22 08:10 AM

ORGANIC ELN REPORT

Workgroup: WG1405864

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG1405864-3 LCSD	09/02/20 17:17	Will Chaifetz	275	<2,>12	1	1	09/02/20 21:53	Shaun Mordo	1	M
WG1405864-4 MS	09/02/20 17:17	Will Chaifetz	275	<2,>12	1	1	09/02/20 21:53	Shaun Mordo	1	M
WG1405864-5 MSD	09/02/20 17:17	Will Chaifetz	275	<2,>12	1	1	09/02/20 21:53	Shaun Mordo	1	M
WG1405864-6 MS	09/03/20 16:13	Jonathan Ahiaba	275	<2,>12	1	1	09/04/20 04:24	John Awuah	1	M
							5X DILUTION			
WG1405864-7 MSD	09/03/20 16:13	Jonathan Ahiaba	275	<2,>12	1	1	09/04/20 04:24	John Awuah	1	M
							5X DILUTION			

Reported: 03-MAY-22 08:10 AM

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

100 Union Ave., Brooklyn, NY
SDG#L2035485
May 2, 2022
Reissued: June 2, 2022
Sampling date: 8/27/2020

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package(reissued: June 2, 2022) for GZA GeoEnvironmental, Inc., project located at 100 Union Ave., Brooklyn, NY, Alpha Analytical, SDG#L2035485 submitted to Vali-Data of WNY, LLC on April 6, 2022. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines (SOP NO. HW-31, revision 6). The laboratory performed the analysis using Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

ID	Sample ID	Laboratory ID
1	SV-5	L2035485-01
2	SV-6	L2035485-02
3	20200827DUP	L2035485-03
4	SV-7	L2035485-04

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD/Duplicate
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check
-Canister Certification Blanks

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples, Initial Calibration and Continuing Calibration.

All results were recorded to the reporting limits.
Sample: DUSR ID#1, 3, 4 were diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except 1,2,4-Trichlorobenzene was detected in sample #2 but was not detected in #3. Ethyl acetate was detected in sample #3 but was not detected in #2.

LABORATORY CONTROL SAMPLES
All criteria were met except several target analytes were outside QC limits, high in the laboratory control sample and should be qualified as estimated. These target analytes were not detected in the associated samples, so no further action is required.

MS/MSD/DUPLICATE
No MS/MSD/Duplicate was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibration verification off instrument, Airlab19. This target analyte should be qualified as estimated in the associated blanks, spikes and samples.

ICV instrument	Target Analyte	%D	Qualifier	Associated Sample
Airlab19	Isopropyl alcohol	32.7	UJ/J	WG1406331, 2, 3

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in the continuing calibrations. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

Ccal ID	Target Analyte	%D	Qualifier	Associated Sample
WG1406331-2	1,2-Dichloroethane	-35.2	UJ/J	WG1406331, 2, 3
WG1406331-2	1,1,1-Trichloroethane	-39.8	UJ/J	WG1406331, 2, 3
WG1406331-2	Carbon tetrachloride	-39	UJ/J	WG1406331, 2, 3

GC/MS PERFORMANCE CHECK

All criteria were met.

CANISTER CERTIFICATION BLANKS

All criteria were met.

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Report Revision

June 2, 2022 the report has been amended to include all of the associated work groups which were accidentally omitted in the original submittal of the full data package.

Volatile Organics in Air

Canisters were released from the laboratory on July 10, 2020. The canister certification results are provided as an addendum.

L2035485-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2035485-03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2035485-04: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG1406331-3 LCS recoveries for 1,2-dichloroethane (135%), 1,1,1-trichloroethane (140%) and carbon tetrachloride (139%) are above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

Sample Receipt

The canister ID number for the sample designated SV-6 (L2035485-02) is listed on the CoC as 3090 but should be 3095.

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 Report Date: 06/02/22

Title: Technical Director/Representative

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035485
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Matrix	: AIR		
LCS Sample ID	: WG1406331-3	**Analysis Date** : 09/03/20 13:10	**File ID** : r195300
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
1,2-Dichloroethane	10	13.5	135 Q				-	70-130	-
n-Hexane	10	11.1	111				-	70-130	-
1,1,1-Trichloroethane	10	14.0	140 Q				-	70-130	-
Benzene	10	9.87	99				-	70-130	-
Carbon tetrachloride	10	13.9	139 Q				-	70-130	-
Cyclohexane	10	10.9	109				-	70-130	-
1,2-Dichloropropane	10	10.8	108				-	70-130	-
Bromodichloromethane	10	12.9	129				-	70-130	-
1,4-Dioxane	10	11.0	110				-	70-130	-
Trichloroethene	10	11.0	110				-	70-130	-
2,2,4-Trimethylpentane	10	11.3	113				-	70-130	-
Heptane	10	10.6	106				-	70-130	-
cis-1,3-Dichloropropene	10	11.6	116				-	70-130	-
4-Methyl-2-pentanone	10	11.4	114				-	70-130	-
trans-1,3-Dichloropropene	10	10.6	106				-	70-130	-
1,1,2-Trichloroethane	10	11.1	111				-	70-130	-
Toluene	10	9.10	91				-	70-130	-
2-Hexanone	10	9.29	93				-	70-130	-
Dibromochloromethane	10	10.9	109				-	70-130	-
1,2-Dibromoethane	10	9.10	91				-	70-130	-
Tetrachloroethene	10	9.28	93				-	70-130	-
Chlorobenzene	10	9.12	91				-	70-130	-
Ethylbenzene	10	9.75	98				-	70-130	-
p/m-Xylene	20	20.2	101				-	70-130	-
Bromoform	10	11.1	111				-	70-130	-
Styrene	10	9.14	91				-	70-130	-

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035485
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035485-01D	Date Collected	: 08/27/20 16:40
Client ID	: SV-5	Date Received	: 08/28/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/04/20 08:29
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 3.333
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1618882	Instrument ID	: AIRLAB16
Sample Amount	: 75.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	0.667	--	ND	3.30	--	U
74-87-3	Chloromethane	ND	0.667	--	ND	1.38	--	U
76-14-2	Freon-114	ND	0.667	--	ND	4.66	--	U
75-01-4	Vinyl chloride	ND	0.667	--	ND	1.71	--	U
106-99-0	1,3-Butadiene	ND	0.667	--	ND	1.48	--	U
74-83-9	Bromomethane	ND	0.667	--	ND	2.59	--	U
75-00-3	Chloroethane	ND	0.667	--	ND	1.76	--	U
64-17-5	Ethanol	ND	16.7	--	ND	31.5	--	U
593-60-2	Vinyl bromide	ND	0.667	--	ND	2.92	--	U
67-64-1	Acetone	67.4	3.33	--	160	7.91	--	
75-69-4	Trichlorofluoromethane	ND	0.667	--	ND	3.75	--	U
67-63-0	Isopropanol	2.14	1.67	--	5.26	4.10	--	
75-35-4	1,1-Dichloroethene	ND	0.667	--	ND	2.64	--	U
75-65-0	Tertiary butyl Alcohol	ND	1.67	--	ND	5.06	--	U
75-09-2	Methylene chloride	ND	1.67	--	ND	5.80	--	U
107-05-1	3-Chloropropene	ND	0.667	--	ND	2.09	--	U
75-15-0	Carbon disulfide	ND	0.667	--	ND	2.08	--	U
76-13-1	Freon-113	ND	0.667	--	ND	5.11	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--	U
75-34-3	1,1-Dichloroethane	ND	0.667	--	ND	2.70	--	U
1634-04-4	Methyl tert butyl ether	ND	0.667	--	ND	2.40	--	U
78-93-3	2-Butanone	2.13	1.67	--	6.28	4.93	--	
156-59-2	cis-1,2-Dichloroethene	2.90	0.667	--	11.5	2.64	--	
141-78-6	Ethyl Acetate	ND	1.67	--	ND	6.02	--	U
67-66-3	Chloroform	0.830	0.667	--	4.05	3.26	--	
109-99-9	Tetrahydrofuran	ND	1.67	--	ND	4.93	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035485
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035485-01D	Date Collected	: 08/27/20 16:40
Client ID	: SV-5	Date Received	: 08/28/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/04/20 08:29
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 3.333
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1618882	Instrument ID	: AIRLAB16
Sample Amount	: 75.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.667	--	ND	2.70	--	U
110-54-3	n-Hexane	ND	0.667	--	ND	2.35	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.667	--	ND	3.64	--	U
71-43-2	Benzene	ND	0.667	--	ND	2.13	--	U
56-23-5	Carbon tetrachloride	ND	0.667	--	ND	4.20	--	U
110-82-7	Cyclohexane	ND	0.667	--	ND	2.30	--	U
78-87-5	1,2-Dichloropropane	ND	0.667	--	ND	3.08	--	U
75-27-4	Bromodichloromethane	ND	0.667	--	ND	4.47	--	U
123-91-1	1,4-Dioxane	ND	0.667	--	ND	2.40	--	U
79-01-6	Trichloroethene	11.4	0.667	--	61.3	3.58	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.667	--	ND	3.12	--	U
142-82-5	Heptane	ND	0.667	--	ND	2.73	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--	U
108-10-1	4-Methyl-2-pentanone	ND	1.67	--	ND	6.84	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--	U
108-88-3	Toluene	ND	0.667	--	ND	2.51	--	U
591-78-6	2-Hexanone	ND	0.667	--	ND	2.73	--	U
124-48-1	Dibromochloromethane	ND	0.667	--	ND	5.68	--	U
106-93-4	1,2-Dibromoethane	ND	0.667	--	ND	5.13	--	U
127-18-4	Tetrachloroethene	214	0.667	--	1450	4.52	--	
108-90-7	Chlorobenzene	ND	0.667	--	ND	3.07	--	U
100-41-4	Ethylbenzene	ND	0.667	--	ND	2.90	--	U
179601-23-1	p/m-Xylene	ND	1.33	--	ND	5.78	--	U
75-25-2	Bromoform	ND	0.667	--	ND	6.90	--	U
100-42-5	Styrene	ND	0.667	--	ND	2.84	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035485
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035485-01D	**Date Collected**	: 08/27/20 16:40
Client ID	: SV-5	**Date Received**	: 08/28/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/04/20 08:29
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 3.333
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1618882	**Instrument ID**	: AIRLAB16
Sample Amount	: 75.0 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--	U
95-47-6	o-Xylene	ND	0.667	--	ND	2.90	--	U
622-96-8	4-Ethyltoluene	ND	0.667	--	ND	3.28	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.667	--	ND	3.28	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.667	--	ND	3.28	--	U
100-44-7	Benzyl chloride	ND	0.667	--	ND	3.45	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--	U
87-68-3	Hexachlorobutadiene	ND	0.667	--	ND	7.11	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035485
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035485-02	Date Collected	: 08/27/20 16:41
Client ID	: SV-6	Date Received	: 08/28/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/03/20 23:54
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R195314	Instrument ID	: AIRLAB19
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.338	0.200	--	1.67	0.989	--	
74-87-3	Chloromethane	0.348	0.200	--	0.719	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	45.0	5.00	--	84.8	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	116	1.00	--	276	2.38	--	
75-69-4	Trichlorofluoromethane	0.448	0.200	--	2.52	1.12	--	
67-63-0	Isopropanol	4.76	0.500	--	11.7	1.23	--	
75-35-4	1,1-Dichloroethene	0.306	0.200	--	1.21	0.793	--	
75-65-0	Tertiary butyl Alcohol	71.3	0.500	--	216	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.440	0.200	--	1.37	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	10.7	0.500	--	31.6	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.211	0.200	--	1.03	0.977	--	
109-99-9	Tetrahydrofuran	6.35	0.500	--	18.7	1.47	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035485
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035485-02	Date Collected	: 08/27/20 16:41
Client ID	: SV-6	Date Received	: 08/28/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/03/20 23:54
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R195314	Instrument ID	: AIRLAB19
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	3.88	0.200	--	13.7	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.670	0.200	--	2.14	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	0.501	0.200	--	1.72	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	0.450	0.200	--	2.42	1.07	--	
540-84-1	2,2,4-Trimethylpentane	4.46	0.200	--	20.8	0.934	--	
142-82-5	Heptane	0.798	0.200	--	3.27	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	1.20	0.500	--	4.92	2.05	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	1.56	0.200	--	5.88	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	31.6	0.200	--	214	1.36	--	
108-90-7	Chlorobenzene	0.320	0.200	--	1.47	0.921	--	
100-41-4	Ethylbenzene	0.458	0.200	--	1.99	0.869	--	
179601-23-1	p/m-Xylene	1.38	0.400	--	5.99	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.300	0.200	--	1.28	0.852	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035485
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035485-02	**Date Collected**	: 08/27/20 16:41
Client ID	: SV-6	**Date Received**	: 08/28/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/03/20 23:54
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R195314	**Instrument ID**	: AIRLAB19
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.835	0.200	--	3.63	0.869	--	
622-96-8	4-Ethyltoluene	0.246	0.200	--	1.21	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.511	0.200	--	2.51	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.88	0.200	--	9.24	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	3.24	0.200	--	19.5	1.20	--	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	0.228	0.200	--	1.69	1.48	--	
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035485
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035485-03D	Date Collected	: 08/27/20 16:42
Client ID	: 20200827 DUP	Date Received	: 08/28/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/04/20 00:32
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1.25
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R195315	Instrument ID	: AIRLAB19
Sample Amount	: 200 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.334	0.250	--	1.65	1.24	--	
74-87-3	Chloromethane	0.512	0.250	--	1.06	0.516	--	
76-14-2	Freon-114	ND	0.250	--	ND	1.75	--	U
75-01-4	Vinyl chloride	ND	0.250	--	ND	0.639	--	U
106-99-0	1,3-Butadiene	ND	0.250	--	ND	0.553	--	U
74-83-9	Bromomethane	ND	0.250	--	ND	0.971	--	U
75-00-3	Chloroethane	ND	0.250	--	ND	0.660	--	U
64-17-5	Ethanol	83.6	6.25	--	158	11.8	--	
593-60-2	Vinyl bromide	ND	0.250	--	ND	1.09	--	U
67-64-1	Acetone	161	1.25	--	382	2.97	--	
75-69-4	Trichlorofluoromethane	0.599	0.250	--	3.37	1.40	--	
67-63-0	Isopropanol	8.42	0.625	--	20.7	1.54	--	
75-35-4	1,1-Dichloroethene	0.532	0.250	--	2.11	0.991	--	
75-65-0	Tertiary butyl Alcohol	124	0.625	--	376	1.89	--	
75-09-2	Methylene chloride	ND	0.625	--	ND	2.17	--	U
107-05-1	3-Chloropropene	ND	0.250	--	ND	0.783	--	U
75-15-0	Carbon disulfide	0.442	0.250	--	1.38	0.779	--	
76-13-1	Freon-113	ND	0.250	--	ND	1.92	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.250	--	ND	0.991	--	U
75-34-3	1,1-Dichloroethane	ND	0.250	--	ND	1.01	--	U
1634-04-4	Methyl tert butyl ether	ND	0.250	--	ND	0.901	--	U
78-93-3	2-Butanone	15.4	0.625	--	45.4	1.84	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.250	--	ND	0.991	--	U
141-78-6	Ethyl Acetate	0.700	0.625	--	2.52	2.25	--	
67-66-3	Chloroform	0.290	0.250	--	1.42	1.22	--	
109-99-9	Tetrahydrofuran	11.5	0.625	--	33.9	1.84	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035485
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035485-03D	Date Collected	: 08/27/20 16:42
Client ID	: 20200827 DUP	Date Received	: 08/28/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/04/20 00:32
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1.25
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R195315	Instrument ID	: AIRLAB19
Sample Amount	: 200 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.250	--	ND	1.01	--	U
110-54-3	n-Hexane	7.75	0.250	--	27.3	0.881	--	
71-55-6	1,1,1-Trichloroethane	ND	0.250	--	ND	1.36	--	U
71-43-2	Benzene	0.869	0.250	--	2.78	0.799	--	
56-23-5	Carbon tetrachloride	ND	0.250	--	ND	1.57	--	U
110-82-7	Cyclohexane	1.00	0.250	--	3.44	0.861	--	
78-87-5	1,2-Dichloropropane	ND	0.250	--	ND	1.16	--	U
75-27-4	Bromodichloromethane	ND	0.250	--	ND	1.67	--	U
123-91-1	1,4-Dioxane	ND	0.250	--	ND	0.901	--	U
79-01-6	Trichloroethene	0.692	0.250	--	3.72	1.34	--	
540-84-1	2,2,4-Trimethylpentane	3.71	0.250	--	17.3	1.17	--	
142-82-5	Heptane	1.32	0.250	--	5.41	1.02	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--	U
108-10-1	4-Methyl-2-pentanone	1.51	0.625	--	6.19	2.56	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.250	--	ND	1.36	--	U
108-88-3	Toluene	2.82	0.250	--	10.6	0.942	--	
591-78-6	2-Hexanone	ND	0.250	--	ND	1.02	--	U
124-48-1	Dibromochloromethane	ND	0.250	--	ND	2.13	--	U
106-93-4	1,2-Dibromoethane	ND	0.250	--	ND	1.92	--	U
127-18-4	Tetrachloroethene	5.46	0.250	--	37.0	1.70	--	
108-90-7	Chlorobenzene	0.339	0.250	--	1.56	1.15	--	
100-41-4	Ethylbenzene	0.749	0.250	--	3.25	1.09	--	
179601-23-1	p/m-Xylene	2.45	0.500	--	10.6	2.17	--	
75-25-2	Bromoform	ND	0.250	--	ND	2.58	--	U
100-42-5	Styrene	0.526	0.250	--	2.24	1.06	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035485
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035485-03D	**Date Collected**	: 08/27/20 16:42
Client ID	: 20200827 DUP	**Date Received**	: 08/28/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/04/20 00:32
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1.25
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R195315	**Instrument ID**	: AIRLAB19
Sample Amount	: 200 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.250	--	ND	1.72	--	U
95-47-6	o-Xylene	1.39	0.250	--	6.04	1.09	--	
622-96-8	4-Ethyltoluene	0.420	0.250	--	2.06	1.23	--	
108-67-8	1,3,5-Trimethylbenzene	0.840	0.250	--	4.13	1.23	--	
95-63-6	1,2,4-Trimethylbenzene	3.30	0.250	--	16.2	1.23	--	
100-44-7	Benzyl chloride	ND	0.250	--	ND	1.29	--	U
541-73-1	1,3-Dichlorobenzene	2.51	0.250	--	15.1	1.50	--	
106-46-7	1,4-Dichlorobenzene	ND	0.250	--	ND	1.50	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.250	--	ND	1.50	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.250	--	ND	1.86	--	U
87-68-3	Hexachlorobutadiene	ND	0.250	--	ND	2.67	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035485
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035485-04D	Date Collected	: 08/27/20 16:45
Client ID	: SV-7	Date Received	: 08/28/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/04/20 09:08
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1618883	Instrument ID	: AIRLAB16
Sample Amount	: 125 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.438	0.400	--	2.17	1.98	--	
74-87-3	Chloromethane	ND	0.400	--	ND	0.826	--	U
76-14-2	Freon-114	ND	0.400	--	ND	2.80	--	U
75-01-4	Vinyl chloride	ND	0.400	--	ND	1.02	--	U
106-99-0	1,3-Butadiene	ND	0.400	--	ND	0.885	--	U
74-83-9	Bromomethane	ND	0.400	--	ND	1.55	--	U
75-00-3	Chloroethane	ND	0.400	--	ND	1.06	--	U
64-17-5	Ethanol	ND	10.0	--	ND	18.8	--	U
593-60-2	Vinyl bromide	ND	0.400	--	ND	1.75	--	U
67-64-1	Acetone	25.8	2.00	--	61.3	4.75	--	
75-69-4	Trichlorofluoromethane	0.442	0.400	--	2.48	2.25	--	
67-63-0	Isopropanol	ND	1.00	--	ND	2.46	--	U
75-35-4	1,1-Dichloroethene	ND	0.400	--	ND	1.59	--	U
75-65-0	Tertiary butyl Alcohol	ND	1.00	--	ND	3.03	--	U
75-09-2	Methylene chloride	ND	1.00	--	ND	3.47	--	U
107-05-1	3-Chloropropene	ND	0.400	--	ND	1.25	--	U
75-15-0	Carbon disulfide	1.13	0.400	--	3.52	1.25	--	
76-13-1	Freon-113	ND	0.400	--	ND	3.07	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--	U
75-34-3	1,1-Dichloroethane	ND	0.400	--	ND	1.62	--	U
1634-04-4	Methyl tert butyl ether	ND	0.400	--	ND	1.44	--	U
78-93-3	2-Butanone	ND	1.00	--	ND	2.95	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--	U
141-78-6	Ethyl Acetate	ND	1.00	--	ND	3.60	--	U
67-66-3	Chloroform	1.18	0.400	--	5.76	1.95	--	
109-99-9	Tetrahydrofuran	1.58	1.00	--	4.66	2.95	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035485
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2035485-04D	Date Collected	: 08/27/20 16:45
Client ID	: SV-7	Date Received	: 08/28/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/04/20 09:08
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1618883	Instrument ID	: AIRLAB16
Sample Amount	: 125 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.400	--	ND	1.62	--	U
110-54-3	n-Hexane	ND	0.400	--	ND	1.41	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--	U
71-43-2	Benzene	ND	0.400	--	ND	1.28	--	U
56-23-5	Carbon tetrachloride	ND	0.400	--	ND	2.52	--	U
110-82-7	Cyclohexane	ND	0.400	--	ND	1.38	--	U
78-87-5	1,2-Dichloropropane	ND	0.400	--	ND	1.85	--	U
75-27-4	Bromodichloromethane	ND	0.400	--	ND	2.68	--	U
123-91-1	1,4-Dioxane	ND	0.400	--	ND	1.44	--	U
79-01-6	Trichloroethene	ND	0.400	--	ND	2.15	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--	U
142-82-5	Heptane	ND	0.400	--	ND	1.64	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--	U
108-10-1	4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--	U
108-88-3	Toluene	0.840	0.400	--	3.17	1.51	--	
591-78-6	2-Hexanone	ND	0.400	--	ND	1.64	--	U
124-48-1	Dibromochloromethane	ND	0.400	--	ND	3.41	--	U
106-93-4	1,2-Dibromoethane	ND	0.400	--	ND	3.07	--	U
127-18-4	Tetrachloroethene	131	0.400	--	888	2.71	--	
108-90-7	Chlorobenzene	ND	0.400	--	ND	1.84	--	U
100-41-4	Ethylbenzene	ND	0.400	--	ND	1.74	--	U
179601-23-1	p/m-Xylene	ND	0.800	--	ND	3.47	--	U
75-25-2	Bromoform	ND	0.400	--	ND	4.14	--	U
100-42-5	Styrene	ND	0.400	--	ND	1.70	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035485
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2035485-04D	**Date Collected**	: 08/27/20 16:45
Client ID	: SV-7	**Date Received**	: 08/28/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/04/20 09:08
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 2
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1618883	**Instrument ID**	: AIRLAB16
Sample Amount	: 125 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--	U
95-47-6	o-Xylene	ND	0.400	--	ND	1.74	--	U
622-96-8	4-Ethyltoluene	ND	0.400	--	ND	1.97	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.400	--	ND	1.97	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.400	--	ND	1.97	--	U
100-44-7	Benzyl chloride	ND	0.400	--	ND	2.07	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--	U
87-68-3	Hexachlorobutadiene	ND	0.400	--	ND	4.27	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035485
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1406331-4	Date Collected	: NA
Client ID	: WG1406331-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/03/20 15:36
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R195302	Instrument ID	: AIRLAB19
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--	U
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	ND	1.00	--	ND	2.38	--	U
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	ND	0.500	--	ND	1.23	--	U
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035485
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1406331-4	Date Collected	: NA
Client ID	: WG1406331-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/03/20 15:36
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R195302	Instrument ID	: AIRLAB19
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035485
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1406331-4	Date Collected	: NA
Client ID	: WG1406331-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/03/20 15:36
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R195302	Instrument ID	: AIRLAB19
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035485
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1406365-4	Date Collected	: NA
Client ID	: WG1406365-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/03/20 14:53
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1618860	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--	U
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	ND	1.00	--	ND	2.38	--	U
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	ND	0.500	--	ND	1.23	--	U
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2035485
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1406365-4	Date Collected	: NA
Client ID	: WG1406365-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/03/20 14:53
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1618860	Instrument ID	: AIRLAB16
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035485
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1406365-4	**Date Collected**	: NA
Client ID	: WG1406365-4BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/03/20 14:53
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1618860	**Instrument ID**	: AIRLAB16
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\Airlab19\2020\08\200816T_I\
Data File : r194992.D
Acq On : 17 Aug 2020 10:24 AM
Operator : AIRLAB19:RY
Sample : CTO15-LLSTD10.0
Misc : WG1399629
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Aug 17 14:06:50 2020
Quant Method : O:\Forensics\Data\Airlab19\2020\08\200816T_I\TFS19_200816.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Aug 17 13:56:09 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	83	0.00
2		chlorodifluoromethane	0.625	0.516	17.4	65	0.00
3		propylene	0.387	0.384	0.8	76	0.00
4		propane	0.419	0.353	15.8	66	0.00
5		dichlorodifluoromethane	0.571	0.514	10.0	70	0.00
6	C	chloromethane	0.396	0.357	9.8	71	0.00
7		Freon-114	0.887	0.862	2.8	75	0.00
8	C	methanol	0.165	0.145	12.1	83	0.00
9	C	vinyl chloride	0.410	0.392	4.4	75	0.00
10	C	1,3-butadiene	0.395	0.408	-3.3	82	0.00
11		butane	0.658	0.530	19.5	66	0.00
13	C	bromomethane	0.350	0.347	0.9	79	0.00
14	C	chloroethane	0.226	0.218	3.5	78	0.00
15		ethanol	0.272	0.262	3.7	82	0.00
16		dichlorofluoromethane	0.630	0.544	13.7	70	0.00
17	C	vinyl bromide	0.428	0.454	-6.1	80	0.00
18	C	acrolein	0.213	0.193	9.4	78	0.00
19		acetone	0.561	0.420	25.1	64	0.00
20	C	acetonitrile	0.380	0.337	11.3	76	0.00
21		trichlorofluoromethane	0.510	0.501	1.8	80	0.00
22		isopropyl alcohol	0.976	0.657	32.7#	71	0.00
23	C	acrylonitrile	0.498	0.505	-1.4	87	0.00
24		pentane	1.092	1.015	7.1	77	0.00
25		ethyl ether	0.755	0.740	2.0	81	0.00
26	C	1,1-dichloroethene	0.637	0.658	-3.3	83	0.00
27		tertiary butyl alcohol	1.105	0.888	19.6	79	0.00
28	C	methylene chloride	0.681	0.724	-6.3	88	0.00
29	C	3-chloropropene	0.770	0.840	-9.1	89	0.00
30	C	carbon disulfide	1.936	1.918	0.9	85	0.00
31		Freon 113	0.951	1.021	-7.4	87	0.00
32		trans-1,2-dichloroethene	0.707	0.720	-1.8	83	0.00
33	C	1,1-dichloroethane	0.900	0.923	-2.6	84	0.00
34	C	MTBE	1.540	1.661	-7.9	88	0.00
35	C	vinyl acetate	1.334	1.316	1.3	80	0.00
36	C	2-butanone	1.248	1.294	-3.7	86	0.00
37		cis-1,2-dichloroethene	0.615	0.663	-7.8	88	0.00
38		Ethyl Acetate	0.183	0.211	-15.3	92	0.00
39	C	chloroform	0.807	0.877	-8.7	89	0.00
40		Tetrahydrofuran	0.800	0.822	-2.7	86	0.00

Calibration Verification Summary
Form 7
Air Volatiles

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2035485		
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00		
Instrument ID	: AIRLAB19	**Calibration Date**	: 09/03/20 13:10		
Lab File ID	: R195300	**Init. Calib. Date(s)**	: 08/16/20	08/17/20	
Sample No	: WG1406331-2	**Init. Calib. Times**	: 21:17	02:00	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	96	0
chlorodifluoromethane	0.625	0.628	-	-0.5	30	91	0
propylene	0.387	0.464	-	-19.9	30	105	0
propane	0.419	0.43	-	-2.6	30	92	0
dichlorodifluoromethane	0.571	0.636	-	-11.4	30	99	0
chloromethane	0.396	0.403	-	-1.8	30	92	0
Freon-114	0.887	1.034	-	-16.6	30	103	0
methanol	0.165	0.155	-	6.1	30	101	0
vinyl chloride	0.41	0.476	-	-16.1	30	105	0
1,3-butadiene	0.395	0.453	-	-14.7	30	105	0
butane	0.658	0.651	-	1.1	30	93	0
bromomethane	0.35	0.397	-	-13.4	30	104	0
chloroethane	0.226	0.249	-	-10.2	30	102	0
ethanol	0.272	0.287	-	-5.5	30	103	0
dichlorofluoromethane	0.63	0.683	-	-8.4	30	101	0
vinyl bromide	0.428	0.478	-	-11.7	30	97	0
acrolein	0.213	0.199	-	6.6	30	92	0
acetone	0.561	0.492	-	12.3	30	85	0
acetonitrile	0.38	0.382	-	-0.5	30	99	0
trichlorofluoromethane	0.51	0.638	-	-25.1	30	117	0
isopropyl alcohol	0.976	0.714	-	26.8	30	89	0
acrylonitrile	0.498	0.47	-	5.6	30	92	0
pentane	1.092	1.037	-	5	30	90	0
ethyl ether	0.755	0.769	-	-1.9	30	97	0
1,1-dichloroethene	0.637	0.769	-	-20.7	30	111	0
tertiary butyl alcohol	1.105	1.043	-	5.6	30	106	0
methylene chloride	0.681	0.697	-	-2.3	30	97	0
3-chloropropene	0.77	0.875	-	-13.6	30	106	0
carbon disulfide	1.936	1.721	-	11.1	30	88	0
Freon 113	0.951	1.018	-	-7	30	99	0
trans-1,2-dichloroethene	0.707	0.768	-	-8.6	30	102	0
1,1-dichloroethane	0.9	0.982	-	-9.1	30	102	0
MTBE	1.54	1.697	-	-10.2	30	103	0
vinyl acetate	1.334	1.375	-	-3.1	30	96	0
2-butanone	1.248	1.271	-	-1.8	30	96	0
cis-1,2-dichloroethene	0.615	0.697	-	-13.3	30	106	0
Ethyl Acetate	0.183	0.207	-	-13.1	30	103	0
chloroform	0.807	0.976	-	-20.9	30	113	0
Tetrahydrofuran	0.8	0.797	-	0.4	30	95	0
2,2-dichloropropane	0.686	0.785	-	-14.4	30	108	0
1,2-dichloroethane	0.392	0.53	-	-35.2*	30	126	0
1,4-difluorobenzene	1	1	-	0	30	93	0
hexane	0.329	0.366	-	-11.2	30	100	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2035485	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: AIRLAB19		**Calibration Date**	: 09/03/20 13:10	
Lab File ID	: R195300		**Init. Calib. Date(s)**	: 08/16/20	08/17/20
Sample No	: WG1406331-2		**Init. Calib. Times**	: 21:17	02:00
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
diisopropyl ether	0.186	0.195	-	-4.8	30	95	0
tert-butyl ethyl ether	0.519	0.572	-	-10.2	30	101	0
1,1,1-trichloroethane	0.221	0.309	-	-39.8*	30	124	0
1,1-dichloropropene	0.277	0.293	-	-5.8	30	96	0
benzene	0.705	0.695	-	1.4	30	89	0
carbon tetrachloride	0.2	0.278	-	-39*	30	126	0
cyclohexane	0.364	0.398	-	-9.3	30	98	0
tert-amyl methyl ether	0.619	0.617	-	0.3	30	92	0
dibromomethane	0.16	0.17	-	-6.3	30	97	0
1,2-dichloropropane	0.212	0.228	-	-7.5	30	96	0
bromodichloromethane	0.288	0.372	-	-29.2	30	116	0
1,4-dioxane	0.155	0.17	-	-9.7	30	103	0
trichloroethene	0.252	0.279	-	-10.7	30	98	0
2,2,4-trimethylpentane	1.042	1.176	-	-12.9	30	102	0
methyl methacrylate	0.308	0.256	-	16.9	30	73	0
heptane	0.446	0.472	-	-5.8	30	94	0
cis-1,3-dichloropropene	0.327	0.381	-	-16.5	30	102	0
4-methyl-2-pentanone	0.484	0.551	-	-13.8	30	100	0
trans-1,3-dichloropropene	0.295	0.313	-	-6.1	30	95	0
1,1,2-trichloroethane	0.234	0.261	-	-11.5	30	100	0
chlorobenzene-D5	1	1	-	0	30	115	0
toluene	6.119	5.569	-	9	30	100	0
1,3-dichloropropane	2.977	2.503	-	15.9	30	92	0
2-hexanone	3.903	3.625	-	7.1	30	102	0
dibromochloromethane	2.359	2.57	-	-8.9	30	116	0
1,2-dibromoethane	2.958	2.693	-	9	30	98	0
butyl acetate	1.009	0.806	-	20.1	30	90	0
octane	2.554	2.196	-	14	30	94	0
tetrachloroethene	2.779	2.578	-	7.2	30	99	0
1,1,1,2-tetrachloroethane	1.785	1.696	-	5	30	105	0
chlorobenzene	5.165	4.709	-	8.8	30	97	0
ethylbenzene	7.254	7.074	-	2.5	30	106	0
m+p-xylene	5.758	5.804	-	-0.8	30	109	0
bromoform	2.43	2.708	-	-11.4	30	116	0
styrene	5.842	5.337	-	8.6	30	97	0
1,1,2,2-tetrachloroethane	4.058	4.039	-	0.5	30	108	0
o-xylene	5.67	5.708	-	-0.7	30	111	0
1,2,3-trichloropropane	3.487	3.081	-	11.6	30	98	0
nonane	5.006	4.189	-	16.3	30	92	0
isopropylbenzene	8.511	7.748	-	9	30	100	0
bromobenzene	4.491	3.964	-	11.7	30	96	0
2-chlorotoluene	2.333	2.078	-	10.9	30	97	0
n-propylbenzene	2.818	2.548	-	9.6	30	99	0

* Value outside of QC limits.

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

100 Union Ave., Brooklyn, NY
Alpha Analytical SDG#L2038282
May 4, 2022
Sampling date: 9/9, 14/2020

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for GZA GeoEnvironmental, Inc., project located at 100 Union Ave., Brooklyn, NY, Alpha Analytical #L2038282 submitted to Vali-Data of WNY, LLC on April 6, 2022. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(6/2021) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D, 8270D-SIM), Perfluorinated Hydrocarbons (537 modified), Herbicide (8151A), PCB (8082A), Pesticide (8081B), Inorganics (6010D, 6020B), Mercury (7470A, 7471B) and in accordance with wet chemistry methods.

DUSR ID	Sample ID	Laboratory ID
1	MW-3A	L2038282-01
2	MW-5A	L2038282-02
3	20200914-DUP	L2038282-03
4	MW-2A	L2038282-04
5	MW-1A	L2038282-05
6	MW-4A	L2038282-06
7	20200914-FIELD BLANK	L2038282-07
8	20200914-EQUIPMENT BLANK	L2038282-08
9	TRIP BLANK	L2038282-09

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with

the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except Acetone was detected in DUSR ID #2 but was not detected in #3.

LABORATORY CONTROL SAMPLES
All criteria were met.
Some target analytes were outside QC limits in the laboratory control sample or the laboratory control sample duplicate but not both, so no further action is required.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION

All criteria were met except several target analytes were outside QC limits in the initial calibrations and initial calibration verifications (ICV). These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

ICal/ICV instrument ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICal & ICV VOA122	1,4-Dioxane	RRF	UJ/J	WG1411194, 1-6, 8, 9
ICal & ICV VOA122	1,2-Dichloropropane	RRF	UJ/J	WG1411194, 1-6, 8, 9
ICal & ICV VOA122	Bromodichloromethane	RRF	UJ/J	WG1411194, 1-6, 8, 9
ICal & ICV VOA122	1,1,2-Trichloroethane	RRF	UJ/J	WG1411194, 1-6, 8, 9
ICal & ICV VOA122	cis-1,3-Dichloropropene	RRF	UJ/J	WG1411194, 1-6, 8, 9
ICV VOA 122	Carbon Disulfide	-38.6	UJ/J	WG1411194, 1-6, 8, 9

Alternate forms of regression were performed on target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in the continuing calibrations. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
WG1411194-2	1,4-Dioxane	RRF	UJ/J	WG1411194, 1-6, 8, 9
WG1411194-2	1,2-Dichloropropane	RRF	UJ/J	WG1411194, 1-6, 8, 9
WG1411194-2	Bromodichloromethane	RRF	UJ/J	WG1411194, 1-6, 8, 9
WG1411194-2	1,1,2-Trichloroethane	RRF	UJ/J	WG1411194, 1-6, 8, 9
WG1411194-2	cis-1,3-Dichloropropene	RRF	UJ/J	WG1411194, 1-6, 8, 9
WG1411194-2	Bromomethane	RRF	UJ/J	WG1411194, 1-6, 8, 9
WG1411194-2	p-Isopropyl toluene	RRF	UJ/J	WG1411194, 1-6, 8, 9

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries

- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, Laboratory Control Samples, Compound Quantitation, Initial Calibration and Continuing Calibration.

Sample: #1 was diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except an 'Analysis Log File' had the typo in the sample ID numbers. An updated form is attached.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except some target analytes were detected above the MDL, below the reporting limit and are qualified as estimated in the blanks. These target analytes should be qualified in the associated samples in which they were detected.

Blank ID	Target Analyte	Concentration(ug/L)	Qualifier	Associated Sample
WG1411853-1	Acenaphthene	.04	U at RL	5
WG1411853-1	2-Methylnaphthalene	.04	U at RL	8
WG1411852-1	Dimethylphthalate	18	U at RL	1, 3, 4
WG1412342-1	Fluorene	.02	JH	6

Several target analytes were detected in the blanks but not the samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION

All the criteria were met except Dimethylphthalate was detected in sample #3 but was not detected in #2. Pyrene was detected in sample #2 but was not detected in #3.

LABORATORY CONTROL SAMPLES

All criteria were met except several target analytes were outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS/SD ID	Target Analyte	%Rec	RPD	Qualifier	Associated Sample
WG1411853	Hexachlorobutadiene	-	54	UJ/J	1-5, 8
WG1411853	Naphthalene	-	49	UJ/J	1-5, 8
WG1411853	2-Methylnaphthalene	-	44	UJ/J	1-5, 8
WG1411853	Hexachloroethane	-	60	UJ/J	1-5, 8
WG1411853	Dibenzo(a,h)anthracene	159/146	-	JH	None
WG1411853	Pentachlorophenol	217/184	-	JH	None

MS/MSD

No MS/MSD was acquired.

COMPOUND QUANTITATION

All criteria were met except several target analytes were detected in the sample blank and should be qualified in the associated samples, if detected.

Blank ID	Target Analyte	Concentration(ug/L)	Qualifier	Associated Sample
8	Naphthalene	.09	JH	6
8	2-Methylnaphthalene	.03	U at RL	None

INITIAL CALIBRATION

All criteria were met except a couple of target analytes were outside QC limits in the initial calibration verification. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

ICal/ICV instrument ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICV SV106	2-Nitrophenol	23.8	UJ/J	WG1411852, 1-6, 8
ICV SV106	2-Nitroaniline	27.5	UJ/J	WG1411852, 1-6, 8
ICV SV106	Benzoic acid	20.8	UJ/J	WG1411852, 1-6, 8
ICV SV106	2,4,6-Trichlorophenol	20.1	UJ/J	WG1411852, 1-6, 8
ICV SV106	2,6-Dinitrotoluene	21.5	UJ/J	WG1411852, 1-6, 8
ICV SV106	Butyl benzyl phthalate	27.9	UJ/J	WG1411852, 1-6, 8

Alternate forms of regression were performed on target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in the continuing calibrations. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
WG1411976-3	Bis(2-chloroisopropyl)ether	25.7	UJ/J	WG1411852, 1, 3-6, 8
WG1411976-3	Benzoic acid	-23.7	UJ/J	WG1411852, 1, 3-6, 8
WG1411976-3	Dimethylphthalate	91.1	UJ/J	WG1411852, 1, 3-6, 8
WG1412522-3	Bis(2-chloroisopropyl)ether	29.9	UJ/J	2
WG1412522-3	Benzoic acid	-21	UJ/J	2
WG1412522-3	Isophorone	23.1	UJ/J	2

GC/MS PERFORMANCE CHECK

All criteria were met.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Surrogate Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration

- Continuing Calibration
-

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Blanks, Compound Quantitation, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE RECOVERIES

All criteria were met except the %Rec of several surrogates was outside QC limits in the samples and should be qualified as estimated. Associated target analytes in these samples should be qualified as estimated or unusable.

Surrogate	%Rec	Qualifier	Associated Sample
d3-NMeFOSAA	Low	UJ/J	5
M2PFHxA	Low	UJ/J	6
M8FOSA	Low	UJ/J	1, 2, 3, 5, 6
M2-6:2 FTS	Low	UJ/J	6
M2-8:2 FTS	Low	UJ/J	6
d5-NEtFOSAA	Low	UJ/J	5

BLANKS

All the criteria were met except a target analyte was detected in the blank and should be qualified as estimated in the associated samples in which it was detected.

Blank ID	Target Analyte	Concentration(mg/L)	Qualifier	Associated Sample
WG1412797	PFHxA	.352	JH	1-6

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met except PFHpS was detected in sample #3 but was not detected in #2.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All the criteria were met except the ion ratio of target analytes was outside QC limits in the samples. Those target analytes should be qualified in the associated samples.

Target Analyte	Qualifier	Associated Sample
6:2FTS	J	1
PFHxS	J	2, 3
PFOS	J	5
PFHpS	J	6
FOSA	J	6
NEtFOSAA	J	6

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the ICV and should be qualified as estimated in the associated blanks, samples and spikes.

ICV instrument	Target Analyte	%Rec	Qualifier	Associated Sample
LCMS01	NEtFOSAA	141.5	UJ/J	WG1412797, 1-7

Alternate forms of regression were used on target analytes in which the %RSD >30.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of a target analyte was outside QC limits in the continuing calibration. That target analyte should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D	Qualifier	Associated Sample
WG1414549-1	8:2FTS	138.7	UJ/J	WG1412797, 1-7
WG1414549-1	br-NMeFOSAA	51.4	UJ/J	WG1412797, 1-7
WG1414549-1	br/L-NEtFOSAA	54.9/64.5	UJ/J	WG1412797, 1-7
WG1414549-1	PFDS	68.4	UJ/J	WG1412797, 1-7
WG1414549-1	PFDoA	66.4	UJ/J	WG1412797, 1-7
WG1414549-2	br/L-PFHxS	68/69.1	UJ/J	WG1412797, 1-7
WG1414549-2	br-NEtFOSAA	152.8	UJ/J	WG1412797, 1-7

WG1414549-3	br/L-PFHxS	54.5/64.9	UJ/J	WG1412797, 1-7
WG1414549-3	br-NMeFOSAA	33.7	UJ/J	WG1412797, 1-7
WG1414549-3	PFDS	56.8	UJ/J	WG1412797, 1-7
WG1414549-3	br-NEtFOSAA	44.9	UJ/J	WG1412797, 1-7

HERBICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	%Rec	Qualifier	Associated Sample
WG1410962-3	2,4,5-TP	-15.8	UJ/J	WG1410760, 1-6, 8

Some target analytes were outside QC limits in the confirmatory column. No further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration

- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Initial Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the ICV and should be qualified as estimated in the associated samples, blanks and spikes.

ICV instrument	Target Analyte	%D	Qualifier	Associated Sample
Pest13	Aroclor 1260 p. 4	20.2	UJ/J	WG1411950, 1-6, 8

CONTINUING CALIBRATION
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Sample and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of some of the surrogates was outside QC limits and should be qualified in the associated samples. Target analytes in these samples should be qualified as directed below.

Surrogate ID	Column	%Rec	Qualifier	Associated Sample
TCMX	CLPPesticides	21	UJ/J	6
DCBP	CLPPesticides	18	UJ/J	6
DCBP	Both	0	JL/R	2

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except a target analyte was outside QC limits in the laboratory control samples and should be qualified in the associated samples.

LCS/SD ID	Target Analyte	RPD	Qualifier	Associated Sample
WG1411412	Aldrin	21	UJ/J	1-6, 8

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on target analytes in which the %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met several target analytes and surrogates were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Column	Target Analyte/Surrogate	%D	Qualifier	Associated Sample
WG1411572-1	CLPPesticides	Heptachlor epoxide	28	UJ/J	WG1411572, 1-6, 8
WG1411572-1	CLPPesticides	Methoxychlor	25.4	UJ/J	WG1411572, 1-6, 8
WG1411572-1	CLPPesticides	DCBP	42	UJ/J	WG1411572, 1-6, 8
WG1411572-4	CLPPesticides	Heptachlor epoxide	27.8	UJ/J	WG1411572, 1-6, 8
WG1411572-4	CLPPesticides	Methoxychlor	35	UJ/J	WG1411572, 1-6, 8
WG1411572-4	CLPPesticides	DCBP	39.3	UJ/J	WG1411572, 1-6, 8

Some target analytes were outside QC limits off the confirmatory column. No further action is required.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except several target analytes were detected above the MDL, below the reporting limit and are qualified as estimated in the blanks. These target analytes should be qualified in associated samples in which they were detected.

Blank ID	Target Analyte	Concentration	Qualifier	Associated Sample
WG1411342	Tl	.00015mg/L	U at RL	1-3, 5
R1351332-2	Fe	52.9ug/L	U at RL	2, 3
R1351332-2	Fe	52.9ug/L	JH	1, 4-6
R1351332-2	Tl	.987ug/L	U at RL	1-3, 5
R1351332-22	Tl	.302ug/L	U at RL	1-3, 5
R1351332-24	Fe	41.0ug/L	U at RL	2, 3
R1351332-24	Fe	41.0ug/L	JH	1, 4-6
R1351332-24	Tl	.198ug/L	U at RL	1-3, 5

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
No MS/MSD was acquired.

FIELD DUPLICATE
All criteria were met.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- %Solids

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

%SOLIDS
All criteria were met.

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Report Submission

September 28, 2020: This final report includes the results of all requested analyses.

September 22, 2020: This is a preliminary report.

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

Sample Receipt

L2038282-04: The collection date and time were obtained from the container labels.

Semivolatile Organics

The WG1411852-1 Method Blank, associated with L2038282-01,-02,-03,-04,-05,-06, and -08, has a concentration above the reporting limit for Fluoranthene, Dimethyl phthalate, Benzo(a)anthracene, Chrysene, and Pyrene. Since the sample(s) were non-detect to the RL for this target analyte, no further actions were taken. The results of the original analysis are reported.

Perfluorinated Alkyl Acids by Isotope Dilution

L2038282-06: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Pesticides

L2038282-06: The internal standard (IS) response for 1-bromo-2-nitrobenzene (247%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. Since the IS response was above method criteria, all associated compounds reported from this column are considered to have a potentially low bias. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (21%) and decachlorobiphenyl (18%) due to interference with the Internal Standard.

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: Tiffani Morrissey Report Date: 09/28/20

Title: Technical Director/Representative

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-01	**Date Collected**	: 09/14/20 10:30
Client ID	: MW-3A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 18:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A22	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-01	**Date Collected**	: 09/14/20 10:30
Client ID	: MW-3A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 18:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A22	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-01	Date Collected	: 09/14/20 10:30
Client ID	: MW-3A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/17/20 18:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200917A22	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-01	**Date Collected**	: 09/14/20 10:30
Client ID	: MW-3A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 18:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A22	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-02	**Date Collected**	: 09/14/20 13:22
Client ID	: MW-5	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 18:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A21	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-02	**Date Collected**	: 09/14/20 13:22
Client ID	: MW-5	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 18:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A21	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.2	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-02	Date Collected	: 09/14/20 13:22
Client ID	: MW-5	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/17/20 18:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200917A21	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-02	**Date Collected**	: 09/14/20 13:22
Client ID	: MW-5	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 18:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A21	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-03	**Date Collected**	: 09/14/20 13:30
Client ID	: 20200914-DUP	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 17:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A20	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-03	**Date Collected**	: 09/14/20 13:30
Client ID	: 20200914-DUP	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 17:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A20	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-03	**Date Collected**	: 09/14/20 13:30
Client ID	: 20200914-DUP	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 17:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A20	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-03	**Date Collected**	: 09/14/20 13:30
Client ID	: 20200914-DUP	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 17:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A20	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-04	**Date Collected**	: 09/14/20 18:35
Client ID	: MW-2A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 17:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A19	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-04	**Date Collected**	: 09/14/20 18:35
Client ID	: MW-2A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 17:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A19	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-04	Date Collected	: 09/14/20 18:35
Client ID	: MW-2A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/17/20 17:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200917A19	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-04	**Date Collected**	: 09/14/20 18:35
Client ID	: MW-2A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 17:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A19	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-05	**Date Collected**	: 09/14/20 16:57
Client ID	: MW-1A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 16:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A18	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.44	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-05	**Date Collected**	: 09/14/20 16:57
Client ID	: MW-1A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 16:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A18	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-05	Date Collected	: 09/14/20 16:57
Client ID	: MW-1A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/17/20 16:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200917A18	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-05	**Date Collected**	: 09/14/20 16:57
Client ID	: MW-1A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 16:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A18	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-06	**Date Collected**	: 09/14/20 17:30
Client ID	: MW-4A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 16:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A17	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	14	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.24	1.0	0.07	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-06	**Date Collected**	: 09/14/20 17:30
Client ID	: MW-4A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 16:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A17	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.75	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	13	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	4.4	5.0	1.9	J
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	1.6	5.0	1.0	J
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-06	Date Collected	: 09/14/20 17:30
Client ID	: MW-4A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/17/20 16:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200917A17	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-06	**Date Collected**	: 09/14/20 17:30
Client ID	: MW-4A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 16:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A17	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-08	**Date Collected**	: 09/14/20 19:00
Client ID	: 20200914-EQUIPMENT BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 15:59
Sample Matrix	: Equipment Blank	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A16	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-08	**Date Collected**	: 09/14/20 19:00
Client ID	: 20200914-EQUIPMENT BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 15:59
Sample Matrix	: Equipment Blank	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A16	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-08	**Date Collected**	: 09/14/20 19:00
Client ID	: 20200914-EQUIPMENT BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 15:59
Sample Matrix	: Equipment Blank	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A16	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-08	**Date Collected**	: 09/14/20 19:00
Client ID	: 20200914-EQUIPMENT BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 15:59
Sample Matrix	: Equipment Blank	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A16	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-09	**Date Collected**	: 09/09/20 00:00
Client ID	: TRIP BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 15:34
Sample Matrix	: Trip Blank (aqueous)	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A15	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-09	**Date Collected**	: 09/09/20 00:00
Client ID	: TRIP BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 15:34
Sample Matrix	: Trip Blank (aqueous)	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A15	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-09	**Date Collected**	: 09/09/20 00:00
Client ID	: TRIP BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 15:34
Sample Matrix	: Trip Blank (aqueous)	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A15	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-09	**Date Collected**	: 09/09/20 00:00
Client ID	: TRIP BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 15:34
Sample Matrix	: Trip Blank (aqueous)	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200917A15	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1411194-5	**Date Collected**	: NA
Client ID	: WG1411194-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/17/20 10:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22200917A04	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1411194-5	**Date Collected**	: NA
Client ID	: WG1411194-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/17/20 10:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22200917A04	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1411194-5	Date Collected	: NA
Client ID	: WG1411194-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/17/20 10:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22200917A04	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1411194-5	**Date Collected**	: NA
Client ID	: WG1411194-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/17/20 10:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22200917A04	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Initial Calibration Summary
Form 6
Volatiles

Client	**: GZA GeoEnvironmental, Inc.**	**Lab Number**	**: L2038282**
Project Name	**: 100 UNION AVE**	**Project Number**	**: 12.0076932.00**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL17117**
Calibration dates	**: 09/11/20 17:26 09/11/20 21:10**		

Calibration Files
L11 =V22200911N04.D L1 =V22200911N06.D L2 =V22200911N08.D L3 =V22200911N09.D L4 =V22200911N10.D
L6 =V22200911N11.D L8 =V22200911N12.D L10 =V22200911N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
42) TP	1,1-Dichloropr		0.159	0.239	0.259	0.273	0.287	0.287	0.293	0.257	18.26
44) TP	Benzene	0.610	0.560	0.754	0.803	0.822	0.847	0.836	0.841	0.759	14.76
45) TP	Tertiary-Amyl Methyl Ether		0.348	0.407	0.438	0.464	0.481	0.516	0.523	0.454	13.68
46) S	1,2-Dichloroethane-d4	0.239	0.250	0.247	0.244	0.242	0.245	0.256	0.261	0.248	2.95
47) T	1,2-Dichloroet		0.220	0.228	0.262	0.264	0.269	0.262	0.263	0.252	7.89
50) TP	Methyl cyclohe			0.222	0.316	0.330	0.371	0.390	0.397	0.337	19.28
51) TP	Trichloroethene	0.218	0.164	0.203	0.231	0.237	0.248	0.250	0.257	0.226	13.54
53) TP	Dibromomethane		0.110	0.117	0.123	0.125	0.127	0.125	0.123	0.121	4.98
54) TC	1,2-Dichloropr		0.159	0.186	0.197	0.200	0.209	0.208	0.210	0.196	9.28
56) TP	2-Chloroethyl		0.055	0.058	0.058	0.057	0.056	0.055	0.053	0.056	3.22
57) TP	Bromodichlorom		0.218	0.235	0.269	0.282	0.293	0.285	0.288	0.267	10.99
60) TP	1,4-Dioxane		0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.001#	11.40
61) TP	cis-1,3-Dichlo		0.234	0.258	0.291	0.309	0.331	0.330	0.330	0.298	13.02
62) I	Chlorobenzene-d5	----------ISTD----------									
63) S	Toluene-d8	1.350	1.318	1.312	1.309	1.309	1.287	1.286	1.282	1.306	1.70
64) TC	Toluene		0.506	0.629	0.665	0.684	0.697	0.685	0.693	0.651	10.47
65) TP	4-Methyl-2-pen		0.040	0.054	0.061	0.067	0.068	0.069	0.072	0.062#	18.32
66) TP	Tetrachloroethene		0.179	0.277	0.320	0.323	0.333	0.327	0.327	0.298	18.75
68) TP	trans-1,3-Dich		0.249	0.302	0.321	0.340	0.353	0.348	0.349	0.323	11.55
70) TP	Ethyl methacry		0.143	0.184	0.196	0.223	0.233	0.233	0.237	0.207	16.77
71) TP	1,1,2-Trichlor		0.138	0.171	0.172	0.175	0.180	0.174	0.176	0.170	8.31
72) TP	Chlorodibromom		0.188	0.227	0.245	0.264	0.275	0.265	0.267	0.247	12.52
73) TP	1,3-Dichloropr		0.296	0.327	0.327	0.332	0.337	0.330	0.330	0.326	4.12
74) TP	1,2-Dibromoethane		0.159	0.212	0.217	0.224	0.225	0.218	0.217	0.210	10.94
76) TP	2-Hexanone		0.092	0.105	0.115	0.126	0.125	0.121	0.124	0.116	10.97
77) TP	Chlorobenzene		0.646	0.755	0.783	0.798	0.813	0.793	0.785	0.767	7.34
78) TC	Ethylbenzene		0.842	1.171	1.299	1.337	1.388	1.362	1.344	1.249	15.44
79) TP	1,1,1,2-Tetrac		0.204	0.246	0.272	0.289	0.298	0.288	0.288	0.269	12.42
80) TP	p/m Xylene		0.324	0.458	0.533	0.550	0.575	0.568	0.568	0.511	17.92
81) TP	o Xylene		0.278	0.413	0.475	0.495	0.522	0.516	0.517	0.459	19.25
82) TP	Styrene		0.513	0.676	0.819	0.875	0.921	0.898	0.858	0.794	18.63
83) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84) TP	Bromoform		0.204	0.273	0.294	0.314	0.347	0.355	0.365	0.308	18.48
86) TP	Isopropylbenzene		1.879	2.679	2.822	2.782	2.906	2.935	2.772	2.682	13.58
87) S	4-Bromofluorobenzene	0.790	0.794	0.769	0.754	0.730	0.731	0.764	0.736	0.759	3.34
88) TP	Bromobenzene		0.582	0.583	0.635	0.624	0.654	0.653	0.650	0.626	5.06

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2020\200911ICALN\
Data File : V22200911N20.D
Acq On : 12 Sep 2020 12:08 am
Operator : VOA122:NLK
Sample : C8260STDL10PPB
Misc : WG1409599
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 14 11:41:31 2020
Quant Method : I:\VOLATILES\VOA122\2020\200911ICALN\V122_200911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 14 10:45:37 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	110	0.00
2	TP	Dichlorodifluoromethane	0.195	0.193	1.0	115	0.00
3	TP	Chloromethane	0.244	0.268	-9.8	118	0.00
4	TC	Vinyl chloride	0.261	0.277	-6.1	112	0.00
5	TP	Bromomethane	* 10.000	11.748	-17.5	175	0.00
6	TP	Chloroethane	0.229	0.272	-18.8	131	-0.02
7	TP	Trichlorofluoromethane	0.319	0.332	-4.1	111	0.00
8	TP	Ethyl ether	0.084	0.091	-8.3	121	0.00
10	TC	1,1-Dichloroethene	0.190	0.182	4.2	103	0.00
11	TP	Carbon disulfide	0.415	0.575	-38.6#	153	0.00
12	TP	Freon-113	0.205	0.221	-7.8	124	0.00
13	TP	Iodomethane	* 10.000	4.684	53.2#	50	0.00
14	TP	Acrolein	0.023	0.020#	13.0	95	0.00
15	TP	Methylene chloride	0.205	0.197	3.9	105	0.00
17	TP	Acetone	0.044	0.049#	-11.4	124	0.00
18	TP	trans-1,2-Dichloroethene	0.200	0.204	-2.0	108	0.00
19	TP	Methyl acetate	0.110	0.145	-31.8#	144	0.00
21	TP	Methyl tert-butyl ether	0.404	0.422	-4.5	116	0.00
22	TP	tert-Butyl alcohol	0.012	0.013#	-8.3	119	0.00
24	TP	Diisopropyl ether	0.663	0.676	-2.0	113	0.00
25	TP	1,1-Dichloroethane	0.352	0.350	0.6	106	0.00
26	TP	Halothane	0.172	0.174	-1.2	109	0.00
27	TP	Acrylonitrile	0.050	0.054	-8.0	118	0.00
28	TP	Ethyl tert-butyl ether	0.525	0.518	1.3	113	0.00
29	TP	Vinyl acetate	0.411	0.395	3.9	109	0.00
30	TP	cis-1,2-Dichloroethene	0.247	0.233	5.7	99	0.00
31	TP	2,2-Dichloropropane	0.248	0.202	18.5	92	0.00
32	TP	Bromochloromethane	0.110	0.113	-2.7	106	0.00
33	TP	Cyclohexane	0.346	0.365	-5.5	126	0.00
34	TC	Chloroform	0.366	0.347	5.2	103	0.00
35	TP	Ethyl acetate	0.160	0.158	1.3	110	0.00
36	TP	Carbon tetrachloride	* 10.000	9.169	8.3	109	0.00
37	TP	Tetrahydrofuran	0.053	0.058	-9.4	122	0.00
38	S	Dibromofluoromethane	0.271	0.269	0.7	109	0.00
39	TP	1,1,1-Trichloroethane	0.333	0.331	0.6	104	0.00
41	TP	2-Butanone	0.069	0.076#	-10.1	124	0.00
42	TP	1,1-Dichloropropene	0.257	0.258	-0.4	110	0.00
44	TP	Benzene	0.759	0.779	-2.6	107	0.00
45	TP	tert-Amyl methyl ether	0.454	0.445	2.0	112	0.00

Data Path : I:\VOLATILES\VOA122\2020\200911ICALN\
Data File : V22200911N20.D
Acq On : 12 Sep 2020 12:08 am
Operator : VOA122:NLK
Sample : C8260STDL10PPB
Misc : WG1409599
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 14 11:41:31 2020
Quant Method : I:\VOLATILES\VOA122\2020\200911ICALN\V122_200911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Sep 14 10:45:37 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	S	1,2-Dichloroethane-d4	0.248	0.241	2.8	109	0.00
47	T	1,2-Dichloroethane	0.252	0.252	0.0	106	0.00
50	TP	Methyl cyclohexane	0.337	0.328	2.7	114	0.00
51	TP	Trichloroethene	0.226	0.218	3.5	104	0.00
53	TP	Dibromomethane	0.121	0.118	2.5	105	0.00
54	TC	1,2-Dichloropropane	0.196	0.189	3.6	106	0.00
56	TP	2-Chloroethyl vinyl ether	0.056	0.066	-17.9	126	0.00
57	TP	Bromodichloromethane	0.267	0.246	7.9	101	0.00
60	TP	1,4-Dioxane	0.00147	0.00158#	-7.5	120	0.00
61	TP	cis-1,3-Dichloropropene	0.298	0.271	9.1	103	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
63	S	Toluene-d8	1.306	1.318	-0.9	110	0.00
64	TC	Toluene	0.651	0.663	-1.8	109	0.00
65	TP	4-Methyl-2-pentanone	0.062	0.069#	-11.3	124	0.00
66	TP	Tetrachloroethene	0.298	0.304	-2.0	103	0.00
68	TP	trans-1,3-Dichloropropene	0.323	0.310	4.0	105	0.00
70	TP	Ethyl methacrylate	0.207	0.222	-7.2	123	0.00
71	TP	1,1,2-Trichloroethane	0.170	0.171	-0.6	108	0.00
72	TP	Chlorodibromomethane	0.247	0.256	-3.6	114	0.00
73	TP	1,3-Dichloropropane	0.326	0.320	1.8	107	0.00
74	TP	1,2-Dibromoethane	0.210	0.211	-0.5	106	0.00
76	TP	2-Hexanone	0.116	0.129	-11.2	122	0.00
77	TP	Chlorobenzene	0.767	0.770	-0.4	107	0.00
78	TC	Ethylbenzene	1.249	1.282	-2.6	108	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.269	0.270	-0.4	108	0.00
80	TP	p/m Xylene	0.511	0.519	-1.6	106	0.00
81	TP	o Xylene	0.459	0.485	-5.7	111	0.00
82	TP	Styrene	0.794	0.823	-3.7	110	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
84	TP	Bromoform	0.308	0.287	6.8	107	0.00
86	TP	Isopropylbenzene	2.682	2.748	-2.5	106	0.00
87	S	4-Bromofluorobenzene	0.759	0.776	-2.2	112	0.00
88	TP	Bromobenzene	0.626	0.610	2.6	105	0.00
89	TP	n-Propylbenzene	2.912	2.998	-3.0	106	0.00
90	TP	1,4-Dichlorobutane	0.596	0.647	-8.6	120	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.478	0.472	1.3	108	0.00
92	TP	4-Ethyltoluene	2.340	2.530	-8.1	111	0.00

Calibration Verification Summary
Form 7
Volatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2038282	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: VOA122		**Calibration Date**	: 09/17/20 09:38	
Lab File ID	: V22200917A01		**Init. Calib. Date(s)**	: 09/11/20	09/11/20
Sample No	: WG1411194-2		**Init. Calib. Times**	: 17:26	21:10
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	80	0
Dichlorodifluoromethane	0.195	0.171	-	12.3	20	73	0
Chloromethane	0.244	0.255	-	-4.5	20	81	0
Vinyl chloride	0.261	0.254	-	2.7	20	74	0
Bromomethane	10	13.082	-	-30.8*	20	142	0
Chloroethane	0.229	0.226	-	1.3	20	79	0
Trichlorofluoromethane	0.319	0.353	-	-10.7	20	85	0
Ethyl ether	0.084	0.089	-	-6	20	86	0
1,1-Dichloroethene	0.19	0.195	-	-2.6	20	80	0
Carbon disulfide	0.415	0.43	-	-3.6	20	83	0
Freon-113	0.205	0.207	-	-1	20	84	0
Iodomethane	10	13.307	-	-33.1*	20	140	0
Acrolein	0.023	0.028*	-	-21.7*	20	98	0
Methylene chloride	0.205	0.208	-	-1.5	20	80	0
Acetone	0.044	0.05*	-	-13.6	20	91	0
trans-1,2-Dichloroethene	0.2	0.203	-	-1.5	20	78	0
Methyl acetate	0.11	0.123	-	-11.8	20	88	0
Methyl tert-butyl ether	0.404	0.415	-	-2.7	20	83	0
tert-Butyl alcohol	0.012	0.013*	-	-8.3	20	86	0
Diisopropyl ether	0.663	0.703	-	-6	20	85	0
1,1-Dichloroethane	0.352	0.375	-	-6.5	20	82	0
Halothane	0.172	0.174	-	-1.2	20	79	0
Acrylonitrile	0.05	0.054	-	-8	20	85	0
Ethyl tert-butyl ether	0.525	0.534	-	-1.7	20	84	0
Vinyl acetate	0.411	0.456	-	-10.9	20	91	0
cis-1,2-Dichloroethene	0.247	0.26	-	-5.3	20	80	0
2,2-Dichloropropane	0.248	0.287	-	-15.7	20	94	0
Bromochloromethane	0.11	0.117	-	-6.4	20	79	0
Cyclohexane	0.346	0.338	-	2.3	20	85	0
Chloroform	0.366	0.373	-	-1.9	20	80	0
Ethyl acetate	0.16	0.179	-	-11.9	20	91	0
Carbon tetrachloride	10	10.136	-	-1.4	20	88	0
Tetrahydrofuran	0.053	0.063	-	-18.9	20	95	0
Dibromofluoromethane	0.271	0.271	-	0	20	80	0
1,1,1-Trichloroethane	0.333	0.365	-	-9.6	20	83	0
2-Butanone	0.069	0.073*	-	-5.8	20	86	0
1,1-Dichloropropene	0.257	0.267	-	-3.9	20	82	0
Benzene	0.759	0.803	-	-5.8	20	80	0
tert-Amyl methyl ether	0.454	0.452	-	0.4	20	82	0
1,2-Dichloroethane-d4	0.248	0.261	-	-5.2	20	86	0
1,2-Dichloroethane	0.252	0.282	-	-11.9	20	86	0
Methyl cyclohexane	0.337	0.32	-	5	20	81	0
Trichloroethene	0.226	0.228	-	-0.9	20	79	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2038282	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: VOA122		**Calibration Date**	: 09/17/20 09:38	
Lab File ID	: V22200917A01		**Init. Calib. Date(s)**	: 09/11/20	09/11/20
Sample No	: WG1411194-2		**Init. Calib. Times**	: 17:26	21:10
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.121	0.125	-	-3.3	20	81	0
1,2-Dichloropropane	0.196	0.199	-	-1.5	20	81	0
2-Chloroethyl vinyl ether	0.056	0.075	-	-33.9*	20	103	0
Bromodichloromethane	0.267	0.278	-	-4.1	20	83	0
1,4-Dioxane	0.00147	0.00144*	-	2	20	79	0
cis-1,3-Dichloropropene	0.298	0.306	-	-2.7	20	84	0
Chlorobenzene-d5	1	1	-	0	20	81	0
Toluene-d8	1.306	1.306	-	0	20	81	0
Toluene	0.651	0.654	-	-0.5	20	80	0
4-Methyl-2-pentanone	0.062	0.064*	-	-3.2	20	84	0
Tetrachloroethene	0.298	0.309	-	-3.7	20	78	0
trans-1,3-Dichloropropene	0.323	0.337	-	-4.3	20	85	0
Ethyl methacrylate	0.207	0.2	-	3.4	20	83	0
1,1,2-Trichloroethane	0.17	0.175	-	-2.9	20	82	0
Chlorodibromomethane	0.247	0.257	-	-4	20	85	0
1,3-Dichloropropane	0.326	0.333	-	-2.1	20	83	0
1,2-Dibromoethane	0.21	0.215	-	-2.4	20	81	0
2-Hexanone	0.116	0.126	-	-8.6	20	89	0
Chlorobenzene	0.767	0.778	-	-1.4	20	81	0
Ethylbenzene	1.249	1.29	-	-3.3	20	81	0
1,1,1,2-Tetrachloroethane	0.269	0.282	-	-4.8	20	84	0
p/m Xylene	0.511	0.506	-	1	20	77	0
o Xylene	0.459	0.46	-	-0.2	20	79	0
Styrene	0.794	0.781	-	1.6	20	77	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	83	0
Bromoform	0.308	0.294	-	4.5	20	83	0
Isopropylbenzene	2.682	2.766	-	-3.1	20	82	0
4-Bromofluorobenzene	0.759	0.784	-	-3.3	20	87	0
Bromobenzene	0.626	0.594	-	5.1	20	78	0
n-Propylbenzene	2.912	2.989	-	-2.6	20	81	0
1,4-Dichlorobutane	0.596	0.596	-	0	20	84	0
1,1,2,2-Tetrachloroethane	0.478	0.452	-	5.4	20	79	0
4-Ethyltoluene	2.34	2.367	-	-1.2	20	79	0
2-Chlorotoluene	1.832	1.839	-	-0.4	20	79	0
1,3,5-Trimethylbenzene	2.012	2.025	-	-0.6	20	79	0
1,2,3-Trichloropropane	0.357	0.354	-	0.8	20	86	0
trans-1,4-Dichloro-2-buten	0.111	0.123	-	-10.8	20	92	0
4-Chlorotoluene	1.617	1.636	-	-1.2	20	82	0
tert-Butylbenzene	1.772	1.748	-	1.4	20	77	0
1,2,4-Trimethylbenzene	1.985	1.976	-	0.5	20	77	0
sec-Butylbenzene	10	9.436	-	5.6	20	79	0
p-Isopropyltoluene	10	7.596	-	24*	20	71	0
1,3-Dichlorobenzene	1.327	1.227	-	7.5	20	78	0

* Value outside of QC limits.

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-01	**Date Collected**	: 09/14/20 10:30
Client ID	: MW-3A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 08:31
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 38282-01	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.45	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.40	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.43	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-01	**Date Collected**	: 09/14/20 10:30
Client ID	: MW-3A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 08:31
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 38282-01	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
131-11-3	Dimethyl phthalate	2.8	5.0	1.8	JB
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U
88-74-4	2-Nitroaniline	ND	5.0	0.50	U
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-01	**Date Collected**	: 09/14/20 10:30
Client ID	: MW-3A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 08:31
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 38282-01	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.59	U
86-74-8	Carbazole	ND	2.0	0.49	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-02	Date Collected	: 09/14/20 13:22
Client ID	: MW-5	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/21/20 15:30
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 38282-02	Analyst	: WR
Sample Amount	: 275 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.45	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.40	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.43	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-02	Date Collected	: 09/14/20 13:22
Client ID	: MW-5	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/21/20 15:30
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 38282-02	Analyst	: WR
Sample Amount	: 275 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U
88-74-4	2-Nitroaniline	ND	5.0	0.50	U
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-02	**Date Collected**	: 09/14/20 13:22
Client ID	: MW-5	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/21/20 15:30
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 38282-02	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.59	U
86-74-8	Carbazole	ND	2.0	0.49	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-03	**Date Collected**	: 09/14/20 13:30
Client ID	: 20200914-DUP	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 08:55
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 38282-03	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.45	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.40	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.43	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-03	Date Collected	: 09/14/20 13:30
Client ID	: 20200914-DUP	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/19/20 08:55
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 38282-03	Analyst	: WR
Sample Amount	: 275 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	2.4	5.0	1.8	JB
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U
88-74-4	2-Nitroaniline	ND	5.0	0.50	U
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-03	**Date Collected**	: 09/14/20 13:30
Client ID	: 20200914-DUP	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 08:55
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 38282-03	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.59	U
86-74-8	Carbazole	ND	2.0	0.49	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-04	**Date Collected**	: 09/14/20 18:35
Client ID	: MW-2A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 09:19
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 38282-04	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.45	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.40	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.43	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.2	3.0	1.5	J
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-04	Date Collected	: 09/14/20 18:35
Client ID	: MW-2A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/19/20 09:19
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 38282-04	Analyst	: WR
Sample Amount	: 275 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	2.0	5.0	1.8	JB
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U
88-74-4	2-Nitroaniline	ND	5.0	0.50	U
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-04	**Date Collected**	: 09/14/20 18:35
Client ID	: MW-2A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 09:19
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 38282-04	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.59	U
86-74-8	Carbazole	ND	2.0	0.49	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-05	**Date Collected**	: 09/14/20 16:57
Client ID	: MW-1A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 09:43
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 38282-05	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.45	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.40	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.43	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-05	Date Collected	: 09/14/20 16:57
Client ID	: MW-1A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/19/20 09:43
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 38282-05	Analyst	: WR
Sample Amount	: 275 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U
88-74-4	2-Nitroaniline	ND	5.0	0.50	U
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-05	**Date Collected**	: 09/14/20 16:57
Client ID	: MW-1A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 09:43
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 38282-05	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.59	U
86-74-8	Carbazole	ND	2.0	0.49	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-06	**Date Collected**	: 09/14/20 17:30
Client ID	: MW-4A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 10:06
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 38282-06	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.45	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.40	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.43	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-06	Date Collected	: 09/14/20 17:30
Client ID	: MW-4A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/19/20 10:06
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 38282-06	Analyst	: WR
Sample Amount	: 275 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U
88-74-4	2-Nitroaniline	ND	5.0	0.50	U
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	10.	5.0	0.57	
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	1.7	5.0	0.48	J
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-06	**Date Collected**	: 09/14/20 17:30
Client ID	: MW-4A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 10:06
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 38282-06	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	72.	50	2.6	
100-51-6	Benzyl Alcohol	ND	2.0	0.59	U
86-74-8	Carbazole	ND	2.0	0.49	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-08	**Date Collected**	: 09/14/20 19:00
Client ID	: 20200914-EQUIPMENT BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 10:30
Sample Matrix	: Equipment Blank	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 38282-08	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.45	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.40	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.43	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
78-59-1	Isophorone	ND	5.0	1.2	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-08	**Date Collected**	: 09/14/20 19:00
Client ID	: 20200914-EQUIPMENT BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 10:30
Sample Matrix	: Equipment Blank	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 38282-08	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
131-11-3	Dimethyl phthalate	ND	5.0	1.8	U
92-52-4	Biphenyl	ND	2.0	0.46	U
106-47-8	4-Chloroaniline	ND	5.0	1.1	U
88-74-4	2-Nitroaniline	ND	5.0	0.50	U
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-08	**Date Collected**	: 09/14/20 19:00
Client ID	: 20200914-EQUIPMENT BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 10:30
Sample Matrix	: Equipment Blank	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 38282-08	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.59	U
86-74-8	Carbazole	ND	2.0	0.49	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1411852-1	Date Collected	: NA
Client ID	: WG1411852-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/19/20 07:21
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 411852-1	Analyst	: WR
Sample Amount	: 275 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.44	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	U
118-74-1	Hexachlorobenzene	ND	2.0	0.46	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.50	U
91-58-7	2-Chloronaphthalene	ND	2.0	0.44	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.45	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.40	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.43	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.6	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.2	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.93	U
206-44-0	Fluoranthene	5.4	2.0	0.26	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.49	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.38	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.53	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.50	U
87-68-3	Hexachlorobutadiene	ND	2.0	0.66	U
77-47-4	Hexachlorocyclopentadiene	ND	20	0.69	U
67-72-1	Hexachloroethane	ND	2.0	0.58	U
78-59-1	Isophorone	ND	5.0	1.2	U
91-20-3	Naphthalene	ND	2.0	0.46	U
98-95-3	Nitrobenzene	ND	2.0	0.77	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1411852-1	Date Collected	: NA
Client ID	: WG1411852-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/19/20 07:21
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 411852-1	Analyst	: WR
Sample Amount	: 275 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	2.0	0.42	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.64	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.5	U
85-68-7	Butyl benzyl phthalate	ND	5.0	1.2	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.39	U
117-84-0	Di-n-octylphthalate	ND	5.0	1.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.38	U
131-11-3	Dimethyl phthalate	18.	5.0	1.8	
56-55-3	Benzo(a)anthracene	2.7	2.0	0.32	
50-32-8	Benzo(a)pyrene	0.42	2.0	0.41	J
205-99-2	Benzo(b)fluoranthene	0.82	2.0	0.35	J
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.37	U
218-01-9	Chrysene	2.6	2.0	0.34	
208-96-8	Acenaphthylene	ND	2.0	0.46	U
120-12-7	Anthracene	0.33	2.0	0.33	J
191-24-2	Benzo(ghi)perylene	ND	2.0	0.30	U
86-73-7	Fluorene	ND	2.0	0.41	U
85-01-8	Phenanthrene	1.6	2.0	0.33	J
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.32	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.40	U
129-00-0	Pyrene	4.8	2.0	0.28	
92-52-4	Biphenyl	ND	2.0	0.46	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1411852-1	Date Collected	: NA
Client ID	: WG1411852-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/19/20 07:21
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 411852-1	Analyst	: WR
Sample Amount	: 275 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-47-8	4-Chloroaniline	ND	5.0	1.1	U
88-74-4	2-Nitroaniline	ND	5.0	0.50	U
99-09-2	3-Nitroaniline	ND	5.0	0.81	U
100-01-6	4-Nitroaniline	ND	5.0	0.80	U
132-64-9	Dibenzofuran	ND	2.0	0.50	U
91-57-6	2-Methylnaphthalene	ND	2.0	0.45	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.44	U
98-86-2	Acetophenone	ND	5.0	0.53	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.61	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.35	U
95-57-8	2-Chlorophenol	ND	2.0	0.48	U
120-83-2	2,4-Dichlorophenol	ND	5.0	0.41	U
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	U
88-75-5	2-Nitrophenol	ND	10	0.85	U
100-02-7	4-Nitrophenol	ND	10	0.67	U
51-28-5	2,4-Dinitrophenol	ND	20	6.6	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.8	U
87-86-5	Pentachlorophenol	ND	10	1.8	U
108-95-2	Phenol	ND	5.0	0.57	U
95-48-7	2-Methylphenol	ND	5.0	0.49	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	0.48	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.77	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1411852-1	**Date Collected**	: NA
Client ID	: WG1411852-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/19/20 07:21
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 411852-1	**Analyst**	: WR
Sample Amount	: 275 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.59	U
86-74-8	Carbazole	ND	2.0	0.49	U

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\200712lviICAL\
Data File : ABNICV.D
Acq On : 13 Jul 2020 4:27 am
Operator : SV106:cb
Sample : CQICV1,32,,ABNICV Lot# 8836
Misc : wg1397168,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 04 13:37:14 2020
Quant Method : I:\8270\SV106\200712lviICAL\FS200712LVISV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 20 11:54:23 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	99	0.00
2	t	n-Nitrosodimethylamine		0.399	0.358	10.3	89	0.00
3	t	Pyridine		0.720	0.757	-5.1	97	0.00
4	S	2-Fluorophenol		0.609	0.554	9.0	87	0.00
5	T	Aniline		1.073	1.038	3.3	94	0.00
6	t	2-Chlorophenol		0.771	0.712	7.7	87	0.00
7	S	Phenol-d6		0.780	0.735	5.8	91	0.00
8	T	Phenol		0.845	0.803	5.0	90	0.00
9	T	Bis(2-chloroethyl)ether		0.699	0.692	1.0	93	0.00
10	T	1,3-Dichlorobenzene		0.975	0.912	6.5	93	0.00
11	T	1,4-Dichlorobenzene		0.986	0.912	7.5	91	0.00
12	T	1,2-Dichlorobenzene		0.961	0.868	9.7	89	0.00
13	t	Benzyl alcohol		0.565	0.506	10.4	86	0.00
14	T	Bis(2-chloroisopropyl)ether		1.243	1.212	2.5	94	0.00
15	T	2-Methylphenol		0.663	0.607	8.4	88	0.00
16	T	Hexachloroethane		0.381	0.357	6.3	91	0.00
17	T	n-Nitrosodi-n-propylamine		0.534	0.509	4.7	89	0.00
18	T	3-Methylphenol/4-Methylphen		0.708	0.658	7.1	88	0.00
19	S	Nitrobenzene-d5		0.721	0.646	10.4	84	0.00
20	T	Nitrobenzene		0.730	0.673	7.8	86	0.00
21	T	Isophorone		1.439	1.367	5.0	90	0.00
22	T	2-Nitrophenol	*	5.000	3.811	23.8#	73	0.00
23	T	2,4-Dimethylphenol		0.728	0.702	3.6	90	0.00
24	T	Bis(2-chloroethoxy)methane		0.974	0.946	2.9	93	0.00

Data Path : I:\8270\SV106\200712lviICAL\
Data File : ABNICV.D
Acq On : 13 Jul 2020 4:27 am
Operator : SV106:cb
Sample : CQICV1,32,,ABNICV Lot# 8836
Misc : wg1397168,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 04 13:37:14 2020
Quant Method : I:\8270\SV106\200712lviICAL\FS200712LVISV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 20 11:54:23 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
25	T	2,4-Dichlorophenol		0.686	0.623	9.2	83	0.00
26	T	1,2,4-Trichlorobenzene		0.869	0.779	10.4	88	0.00
27	I	IS2_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	0#	-5.21#
28	T	Benzaldehyde		0.646	0.000	100.0#	0#	-4.30#
29	T	Acetophenone		1.163	0.000	100.0#	0#	-5.88#
30	T	m-Toluidine		1.143	0.000	100.0#	0#	-6.00#
31	T	2-Chloroaniline		1.069	0.000	100.0#	0#	-6.46#
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	0#	-5.20#
33	T	n-Decane		0.888	0.000	100.0#	0#	-5.13#
34	I	IS1_Naphthalene-d8		1.000	1.000	0.0	100	0.00
35	T	Naphthalene		1.042	0.980	6.0	92	0.00
36	T	Benzoic Acid	*	5.000	3.962	20.8#	66	-0.04
37	T	4-Chloroaniline		0.122	0.117	4.1	89	0.00
38	T	Hexachlorobutadiene		0.195	0.174	10.8	89	0.00
39	T	p-Chloro-m-cresol		0.264	0.227	14.0	85	0.00
40	T	2-Methylnaphthalene		0.706	0.658	6.8	89	0.00
41	T	1-Methylnaphthalene		0.256	0.237	7.4	92	0.00
42	T	Hexachlorocyclopentadiene		0.225	0.183	18.7	79	0.00
43	T	2,4,6-Trichlorophenol		0.204	0.163	20.1#	80	0.00
44	T	2,4,5-Trichlorophenol		0.228	0.185	18.9	79	0.00
45	S	2-Fluorobiphenyl		0.762	0.725	4.9	92	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\200712lviICAL\
Data File : ABNICV.D
Acq On : 13 Jul 2020 4:27 am
Operator : SV106:cb
Sample : CQICV1,32,,ABNICV Lot# 8836
Misc : wg1397168,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 04 13:37:14 2020
Quant Method : I:\8270\SV106\200712lviICAL\FS200712LVISV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 20 11:54:23 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
46	T	2-Chloronaphthalene		0.705	0.649	7.9	89	0.00
47	T	2-Nitroaniline	*	5.000	3.625	27.5#	75	0.00
48	T	1,4-Dinitrobenzene		0.092	0.062	32.6#	77	0.00
49	T	1,3-Dinitrobenzene		0.104	0.077	26.0#	78	0.00
50	T	Dimethyl phthalate		0.813	0.730	10.2	84	0.00
51	T	Acenaphthylene		1.039	0.972	6.4	89	0.00
52	T	2,6-Dinitrotoluene	*	5.000	3.924	21.5#	80	0.00
53	T	1,2-Dinitrobenzene		0.065	0.051	21.5#	75	0.00
54	I	IS2_Naphthalene-d8		1.000	1.000	0.0	0#	-6.90#
55	T	a-Terpineol		0.240	0.000	100.0#	0#	-7.02#
56	T	3-Chloroaniline		0.146	0.000	100.0#	0#	-7.02#
57	T	2,6-Dichlorophenol		0.257	0.000	100.0#	0#	-7.04#
58	T	1-chloro-2-nitrobenzene		0.120	0.000	100.0#	0#	-7.32#
59	T	Caprolactam		0.127	0.000	100.0#	0#	-7.38#
60	T	1,2,4,5-Tetrachlorobenzene		0.343	0.000	100.0#	0#	-7.87#
61	T	Biphenyl		0.870	0.000	100.0#	0#	-8.18#
62	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	95	0.00
63	T	3-Nitroaniline		0.337	0.281	16.6	80	0.00
64	T	Acenaphthene		1.203	1.138	5.4	90	0.00
65	T	2,4-Dinitrophenol	*	5.000	3.961	20.8#	68	0.00
66	T	Dibenzofuran		1.862	1.711	8.1	88	0.00
67	T	2,4-Dinitrotoluene	*	5.000	4.092	18.2	80	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\200712lviICAL\
Data File : ABNICV.D
Acq On : 13 Jul 2020 4:27 am
Operator : SV106:cb
Sample : CQICV1,32,,ABNICV Lot# 8836
Misc : wg1397168,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 04 13:37:14 2020
Quant Method : I:\8270\SV106\200712lviICAL\FS200712LVISV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 20 11:54:23 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
89	T	Anthracene		1.124	1.068	5.0	89	0.00
90	T	Carbazole		1.015	0.958	5.6	86	0.00
91	T	Di-n-butylphthalate		1.279	1.090	14.8	81	0.00
92	T	Fluoranthene		1.226	1.133	7.6	85	0.00
93	T	Benzidine		0.795	0.600	24.5#	77	0.00
94	T	Pyrene		1.303	1.213	6.9	86	0.00
95	S	4-Terphenyl-d14		0.899	0.801	10.9	82	0.00
96	T	Butyl benzyl phthalate	*	5.000	3.607	27.9#	73	0.00
97	I	IS2_Phenanthrene-d10		1.000	1.000	0.0	0#	-10.15#
98	T	Diphenamid		0.503	0.000	100.0#	0#	-11.10#
99	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	0#	-10.15#
100	T	n-Octadecane		0.496	0.000	100.0#	0#	-10.21#
101	T	Parathion		0.000	0.000	0.0	0#	-10.99#
102	T	3,3'-Dimethylbenzidine		0.000	0.000	0.0	0#	-12.23#
103	I	IS1_Chrysene-d12		1.000	1.000	0.0	97	0.00
104	T	Benzo(a)anthracene		1.194	1.132	5.2	87	0.00
105	T	3,3'-Dichlorobenzidine		0.434	0.374	13.8	82	0.00
106	T	Chrysene		1.275	1.141	10.5	86	0.00
107	T	Bis(2-ethylhexyl)phthalate	*	5.000	4.040	19.2	78	0.00
108	T	Di-n-octylphthalate	*	5.000	3.907	21.9#	77	0.00
109	T	Benzo(b)fluoranthene		1.180	1.130	4.2	86	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282		
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00		
Instrument ID	: SV106	**Calibration Date**	: 09/19/20 05:37		
Lab File ID	: ABN0919	**Init. Calib. Date(s)**	: 07/12/20	07/13/20	
Sample No	: WG1411976-3	**Init. Calib. Times**	: 20:28	09:13	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	108	0
n-Nitrosodimethylamine	0.399	0.341	-	14.5	20	93	0
Pyridine	0.72	0.578	-	19.7	20	81	0
2-Fluorophenol	0.609	0.593	-	2.6	20	101	0
Aniline	1.073	0.953	-	11.2	20	93	0
2-Chlorophenol	0.771	0.743	-	3.6	20	99	0
Phenol-d6	0.78	0.767	-	1.7	20	103	0
Phenol	0.845	0.761	-	9.9	20	93	0
Bis(2-chloroethyl)ether	0.699	0.601	-	14	20	88	0
1,3-Dichlorobenzene	0.975	0.864	-	11.4	20	96	0
1,4-Dichlorobenzene	0.986	0.868	-	12	20	94	0
1,2-Dichlorobenzene	0.961	0.834	-	13.2	20	93	0
Benzyl alcohol	0.565	0.529	-	6.4	20	98	0
Bis(2-chloroisopropyl)ethe	1.243	0.923	-	25.7*	20	78	0
2-Methylphenol	0.663	0.597	-	10	20	94	0
Hexachloroethane	0.381	0.316	-	17.1	20	88	0
n-Nitrosodi-n-propylamine	0.534	0.441	-	17.4	20	83	0
3-Methylphenol/4-Methylphe	0.708	0.643	-	9.2	20	93	0
Nitrobenzene-d5	0.721	0.722	-	-0.1	20	102	0
Nitrobenzene	0.73	0.668	-	8.5	20	92	0
Isophorone	1.439	1.203	-	16.4	20	86	0
2-Nitrophenol	5	5.82	-	-16.4	20	134	0
2,4-Dimethylphenol	0.728	0.698	-	4.1	20	97	0
Bis(2-chloroethoxy)methane	0.974	0.831	-	14.7	20	89	0
2,4-Dichlorophenol	0.686	0.685	-	0.1	20	100	0
1,2,4-Trichlorobenzene	0.869	0.765	-	12	20	94	0
IS1_Naphthalene-d8	1	1	-	0	20	107	0
Naphthalene	1.042	0.914	-	12.3	20	93	0
Benzoic Acid	5	6.185	-	-23.7*	20	152	0
4-Chloroaniline	0.122	0.096	-	21.3*	20	78	0
Hexachlorobutadiene	0.195	0.178	-	8.7	20	99	0
p-Chloro-m-cresol	0.264	0.244	-	7.6	20	98	0
2-Methylnaphthalene	0.706	0.647	-	8.4	20	94	0
1-Methylnaphthalene	0.256	0.208	-	18.8	20	87	0
Hexachlorocyclopentadiene	0.225	0.237	-	-5.3	20	110	0
2,4,6-Trichlorophenol	0.204	0.207	-	-1.5	20	109	0
2,4,5-Trichlorophenol	0.228	0.216	-	5.3	20	100	0
2-Fluorobiphenyl	0.762	0.751	-	1.4	20	102	0
2-Chloronaphthalene	0.705	0.635	-	9.9	20	93	0
2-Nitroaniline	5	4.863	-	2.7	20	115	0
1,4-Dinitrobenzene	0.092	0.096	-	-4.3	20	128	0
1,3-Dinitrobenzene	0.104	0.11	-	-5.8	20	121	0
Dimethyl phthalate	0.813	1.554	-	-91.1*	20	194	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2038282	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: SV106		**Calibration Date**	: 09/21/20 11:50	
Lab File ID	: ABN0921A		**Init. Calib. Date(s)**	: 07/12/20	07/13/20
Sample No	: WG1412522-3		**Init. Calib. Times**	: 20:28	09:13
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	119	0
n-Nitrosodimethylamine	0.399	0.349	-	12.5	20	105	0
Pyridine	0.72	0.567	-	21.3*	20	88	0
2-Fluorophenol	0.609	0.607	-	0.3	20	114	0
Aniline	1.073	0.942	-	12.2	20	102	0
2-Chlorophenol	0.771	0.774	-	-0.4	20	114	0
Phenol-d6	0.78	0.758	-	2.8	20	113	0
Phenol	0.845	0.796	-	5.8	20	107	0
Bis(2-chloroethyl)ether	0.699	0.645	-	7.7	20	104	0
1,3-Dichlorobenzene	0.975	0.909	-	6.8	20	111	0
1,4-Dichlorobenzene	0.986	0.94	-	4.7	20	112	0
1,2-Dichlorobenzene	0.961	0.88	-	8.4	20	108	0
Benzyl alcohol	0.565	0.49	-	13.3	20	100	0
Bis(2-chloroisopropyl)ethe	1.243	0.871	-	29.9*	20	81	0
2-Methylphenol	0.663	0.599	-	9.7	20	104	0
Hexachloroethane	0.381	0.338	-	11.3	20	104	0
n-Nitrosodi-n-propylamine	0.534	0.407	-	23.8*	20	85	0
3-Methylphenol/4-Methylphe	0.708	0.642	-	9.3	20	103	0
Nitrobenzene-d5	0.721	0.685	-	5	20	107	0
Nitrobenzene	0.73	0.651	-	10.8	20	99	0
Isophorone	1.439	1.107	-	23.1*	20	87	0
2-Nitrophenol	5	5.901	-	-18	20	151	0
2,4-Dimethylphenol	0.728	0.701	-	3.7	20	108	0
Bis(2-chloroethoxy)methane	0.974	0.789	-	19	20	93	0
2,4-Dichlorophenol	0.686	0.724	-	-5.5	20	116	0
1,2,4-Trichlorobenzene	0.869	0.83	-	4.5	20	112	0
IS1_Naphthalene-d8	1	1	-	0	20	110	0
Naphthalene	1.042	0.995	-	4.5	20	103	0
Benzoic Acid	5	6.05	-	-21*	20	151	0
4-Chloroaniline	0.122	0.1	-	18	20	83	0
Hexachlorobutadiene	0.195	0.205	-	-5.1	20	116	0
p-Chloro-m-cresol	0.264	0.248	-	6.1	20	102	0
2-Methylnaphthalene	0.706	0.697	-	1.3	20	104	0
1-Methylnaphthalene	0.256	0.217	-	15.2	20	93	0
Hexachlorocyclopentadiene	0.225	0.265	-	-17.8	20	126	0
2,4,6-Trichlorophenol	0.204	0.224	-	-9.8	20	121	0
2,4,5-Trichlorophenol	0.228	0.239	-	-4.8	20	113	0
2-Fluorobiphenyl	0.762	0.793	-	-4.1	20	110	0
2-Chloronaphthalene	0.705	0.682	-	3.3	20	103	0
2-Nitroaniline	5	4.692	-	6.2	20	113	0
1,4-Dinitrobenzene	0.092	0.092	-	0	20	125	0
1,3-Dinitrobenzene	0.104	0.106	-	-1.9	20	119	0
Dimethyl phthalate	0.813	0.758	-	6.8	20	97	0

* Value outside of QC limits.

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Matrix	: WATER		
LCS Sample ID	: WG1411853-2 **Analysis Date** : 09/21/20 15:59	**File ID**	: 411853-2
LCSD Sample ID	: WG1411853-3 **Analysis Date** : 09/21/20 16:19	**File ID**	: 411853-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	3.6	4.0	110	3.6	2.8	77	35	40-140	40
2-Chloronaphthalene	3.6	4.0	110	3.6	2.6	73	40	40-140	40
Fluoranthene	3.6	5.2	142 Q	3.6	4.4	121	16	40-140	40
Hexachlorobutadiene	3.6	3.6	99	3.6	2.1	57	54 Q	40-140	40
Naphthalene	3.6	3.8	106	3.6	2.3	64	49 Q	40-140	40
Benzo(a)anthracene	3.6	4.5	123	3.6	4.0	110	11	40-140	40
Benzo(a)pyrene	3.6	4.5	123	3.6	4.3	118	4	40-140	40
Benzo(b)fluoranthene	3.6	4.5	124	3.6	4.0	110	12	40-140	40
Benzo(k)fluoranthene	3.6	4.5	123	3.6	4.1	112	9	40-140	40
Chrysene	3.6	4.5	124	3.6	4.2	114	8	40-140	40
Acenaphthylene	3.6	3.8	103	3.6	2.6	72	35	40-140	40
Anthracene	3.6	4.4	120	3.6	3.7	101	17	40-140	40
Benzo(ghi)perylene	3.6	5.4	149 Q	3.6	5.0	137	8	40-140	40
Fluorene	3.6	4.4	120	3.6	3.2	87	32	40-140	40
Phenanthrene	3.6	4.4	121	3.6	3.6	98	21	40-140	40
Dibenzo(a,h)anthracene	3.6	5.8	159 Q	3.6	5.3	146 Q	9	40-140	40
Indeno(1,2,3-cd)pyrene	3.6	5.6	153 Q	3.6	5.1	140	9	40-140	40
Pyrene	3.6	5.2	144 Q	3.6	4.5	123	16	40-140	40
2-Methylnaphthalene	3.6	4.1	113	3.6	2.6	72	44 Q	40-140	40
Pentachlorophenol	3.6	7.9	217 Q	3.6	6.7	184 Q	16	40-140	40
Hexachlorobenzene	3.6	4.0	109	3.6	3.0	83	27	40-140	40
Hexachloroethane	3.6	3.5	97	3.6	1.9	52	60 Q	40-140	40

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-01	**Date Collected**	: 09/14/20 10:30
Client ID	: MW-3A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/20/20 11:56
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: 38282-01	**Analyst**	: CB
Sample Amount	: 275 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	0.02	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.01	0.10	0.01	J
207-08-9	Benzo(k)fluoranthene	0.01	0.10	0.01	J
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	0.02	0.10	0.01	J
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.02	0.10	0.01	J
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-02	**Date Collected**	: 09/14/20 13:22
Client ID	: MW-5	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/20/20 12:16
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: 38282-02	**Analyst**	: CB
Sample Amount	: 275 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	0.02	0.10	0.02	J
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-03	**Date Collected**	: 09/14/20 13:30
Client ID	: 20200914-DUP	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/20/20 12:36
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: 38282-03	**Analyst**	: CB
Sample Amount	: 275 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-04	**Date Collected**	: 09/14/20 18:35
Client ID	: MW-2A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/20/20 12:57
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: 38282-04	**Analyst**	: CB
Sample Amount	: 275 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.02	0.10	0.02	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	0.02	0.10	0.02	J
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-05	**Date Collected**	: 09/14/20 16:57
Client ID	: MW-1A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/20/20 13:17
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: 38282-05	**Analyst**	: CB
Sample Amount	: 275 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	0.02	0.10	0.01	J
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.03	0.10	0.02	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	0.02	0.10	0.01	J
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	0.01	0.10	0.01	J
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	0.03	0.10	0.02	J
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-06	**Date Collected**	: 09/14/20 17:30
Client ID	: MW-4A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/22/20 12:12
Sample Matrix	: WATER	**Date Extracted**	: 09/21/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: 38282-06	**Analyst**	: JJW
Sample Amount	: 275 ml	**Instrument ID**	: SV125
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.08	0.10	0.02	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	0.38	0.10	0.05	
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	0.03	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.03	0.10	0.01	J
207-08-9	Benzo(k)fluoranthene	0.02	0.10	0.01	J
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	0.14	0.10	0.01	
191-24-2	Benzo(ghi)perylene	0.03	0.10	0.01	J
86-73-7	Fluorene	0.20	0.10	0.01	
85-01-8	Phenanthrene	0.19	0.10	0.02	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.02	0.10	0.01	J
129-00-0	Pyrene	0.16	0.10	0.02	
91-57-6	2-Methylnaphthalene	0.46	0.10	0.02	
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-08	**Date Collected**	: 09/14/20 19:00
Client ID	: 20200914-EQUIPMENT BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/20/20 13:57
Sample Matrix	: Equipment Blank	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: 38282-08	**Analyst**	: CB
Sample Amount	: 275 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	0.09	0.10	0.05	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	0.03	0.10	0.02	J
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1411853-1	Date Collected	: NA
Client ID	: WG1411853-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/20/20 10:55
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: 411853-1	Analyst	: CB
Sample Amount	: 275 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	0.04	0.10	0.01	J
91-58-7	2-Chloronaphthalene	0.06	0.20	0.02	J
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	0.04	0.10	0.01	J
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	0.04	0.10	0.01	J
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	0.04	0.10	0.02	J
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1412342-1	Date Collected	: NA
Client ID	: WG1412342-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/22/20 10:18
Sample Matrix	: WATER	Date Extracted	: 09/21/20
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: 412342-1	Analyst	: JJW
Sample Amount	: 275 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	0.02	0.10	0.01	J
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.05	U
91-20-3	Naphthalene	ND	0.10	0.05	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	0.02	0.10	0.01	J
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U
87-86-5	Pentachlorophenol	ND	0.80	0.01	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.06	U

Results Summary
Form 1
1,4 Dioxane by 8270D-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-01	**Date Collected**	: 09/14/20 10:30
Client ID	: MW-3A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 18:25
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: F609192009	**Analyst**	: PS
Sample Amount	: 260 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
1,4 Dioxane by 8270D-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-02	**Date Collected**	: 09/14/20 13:22
Client ID	: MW-5	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 18:49
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: F609192010	**Analyst**	: PS
Sample Amount	: 270 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	139	31.4	U

Results Summary
Form 1
1,4 Dioxane by 8270D-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-03	**Date Collected**	: 09/14/20 13:30
Client ID	: 20200914-DUP	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 19:14
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: F609192011	**Analyst**	: PS
Sample Amount	: 250 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	150	33.9	U

Results Summary
Form 1
1,4 Dioxane by 8270D-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-04	**Date Collected**	: 09/14/20 18:35
Client ID	: MW-2A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 19:40
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: F609192012	**Analyst**	: PS
Sample Amount	: 250 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	150	33.9	U

Results Summary
Form 1
1,4 Dioxane by 8270D-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-05	**Date Collected**	: 09/14/20 16:57
Client ID	: MW-1A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 20:05
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: F609192013	**Analyst**	: PS
Sample Amount	: 240 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	156	35.3	U

Results Summary
Form 1
1,4 Dioxane by 8270D-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-06	**Date Collected**	: 09/14/20 17:30
Client ID	: MW-4A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 20:30
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: F609192014	**Analyst**	: PS
Sample Amount	: 260 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	524.	144	32.6	

Results Summary
Form 1
1,4 Dioxane by 8270D-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-08	**Date Collected**	: 09/14/20 19:00
Client ID	: 20200914-EQUIPMENT BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/19/20 20:55
Sample Matrix	: Equipment Blank	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: F609192015	**Analyst**	: PS
Sample Amount	: 270 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	139	31.4	U

Results Summary
Form 1
1,4 Dioxane by 8270D-SIM

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1411457-1	**Date Collected**	: NA
Client ID	: WG1411457-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/19/20 16:20
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8270D-SIM	**Dilution Factor**	: 1
Lab File ID	: F609192004	**Analyst**	: PS
Sample Amount	: 250 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	150	33.9	U

Surrogate (Extracted Internal Standard) Recovery Summary
Form 2
Semivolatiles

Client: GZA GeoEnvironmental, Inc.
Project Name: 100 UNION AVE

Lab Number: L2038282
Project Number: 12.0076932.00
Matrix: Water/Field Blank

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	S7 ()
MW-3A (L2038282-01)	87	91	88	76	79	92	85
MW-5 (L2038282-02)	90	83	76	69	77	81	90
20200914-DUP (L2038282-03)	92	83	73	69	76	83	92
MW-2A (L2038282-04)	94	101	83	84	87	81	92
MW-1A (L2038282-05)	93	91	77	78	86	96	90
MW-4A (L2038282-06)	82	47	68	48	56	72	82
20200914-FIELD BLANK (L2038282-07)	90	112	92	87	86	99	89
WG1412797-1BLANK	96	114	91	93	93	103	94
WG1412797-2LCS	96	115	93	89	91	96	92
WG1412797-3LCSD	101	124	98	94	91	95	96

QC LIMITS

(2-156) S1 = PERFLUORO[13C4]BUTANOIC ACID (MPFBA)
(16-173) S2 = PERFLUORO[13C5]PENTANOIC ACID (M5PFPEA)
(31-159) S3 = PERFLUORO[2,3,4-13C3]BUTANESULFONIC ACID (M3PFBS)
(21-145) S4 = PERFLUORO[1,2,3,4,6-13C5]HEXANOIC ACID (M5PFHXA)
(30-139) S5 = PERFLUORO[1,2,3,4-13C4]HEPTANOIC ACID (M4PFHPA)
(47-153) S6 = PERFLUORO[1,2,3-13C3]HEXANESULFONIC ACID (M3PFHXS)
(47-153) S7 = PERFLUORO[13C8]OCTANOIC ACID (M8PFOA)

*** Values outside of QC limits**

Surrogate (Extracted Internal Standard) Recovery Summary
Form 2
Semivolatiles

Client: GZA GeoEnvironmental, Inc.
Project Name: 100 UNION AVE

Lab Number: L2038282
Project Number: 12.0076932.00
Matrix: Water/Field Blank

CLIENT ID (LAB SAMPLE NO.)	S8 ()	S9 ()	S10 ()	S11 ()	S12 ()	S13 ()	S14 ()
MW-3A (L2038282-01)	93	96	84	78	106	70	89
MW-5 (L2038282-02)	114	103	91	88	127	71	98
20200914-DUP (L2038282-03)	109	105	86	85	120	68	93
MW-2A (L2038282-04)	97	102	89	92	120	74	106
MW-1A (L2038282-05)	93	89	72	63	83	35	56
MW-4A (L2038282-06)	170	110	78	82	197*	74	86
20200914-FIELD BLANK (L2038282-07)	91	92	83	87	113	76	96
WG1412797-1BLANK	88	100	88	90	106	82	104
WG1412797-2LCS	87	97	90	88	113	72	97
WG1412797-3LCSD	93	101	95	93	118	83	106

QC LIMITS

(1-244) S8 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]OCTANESULFONIC ACID (M2-6:2FTS)
(34-146) S9 = PERFLUORO[13C9]NONANOIC ACID (M9PFNA)
(42-146) S10 = PERFLUORO[13C8]OCTANESULFONIC ACID (M8PFOS)
(38-144) S11 = PERFLUORO[1,2,3,4,5,6-13C6]DECANOIC ACID (M6PFDA)
(7-170) S12 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]DECANESULFONIC ACID (M2-8:2FTS)
(1-181) S13 = N-DEUTERIOMETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D3-NMEFOSAA)
(1-181) S14 = PERFLUORO[1,2,3,4,5,6,7-13C7]UNDECANOIC ACID (M7-PFUDA)

*** Values outside of QC limits**

FORM II A2-NY-537-ISOTOPE (Continued)

Surrogate (Extracted Internal Standard) Recovery Summary
Form 2
Semivolatiles

Client: GZA GeoEnvironmental, Inc.
Project Name: 100 UNION AVE

Lab Number: L2038282
Project Number: 12.0076932.00
Matrix: Water/Field Blank

CLIENT ID (LAB SAMPLE NO.)	S15 ()	S16 ()	S17 ()	S18 ()	S19 ()	S20 ()	S21 ()	TOT OUT
MW-3A (L2038282-01)	27	61	89	85	--	--	--	0
MW-5 (L2038282-02)	42	71	95	86	--	--	--	0
20200914-DUP (L2038282-03)	43	59	86	84	--	--	--	0
MW-2A (L2038282-04)	58	79	100	90	--	--	--	0
MW-1A (L2038282-05)	17	34	50	60	--	--	--	0
MW-4A (L2038282-06)	36	118	79	91	--	--	--	1
20200914-FIELD BLANK (L2038282-07)	63	81	98	88	--	--	--	0
WG1412797-1BLANK	61	88	91	83	--	--	--	0
WG1412797-2LCS	61	92	91	83	--	--	--	0
WG1412797-3LCSD	64	80	108	89	--	--	--	0

QC LIMITS

(1-87) S15 = PERFLUORO[13C8]OCTANESULFONAMIDE (M8FOSA)
(23-146) S16 = N-DEUTERIOETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D5-NETFOSAA)
(24-161) S17 = PERFLUORO[1,2-13C2]DODECANOIC ACID (MPFDOA)
(33-143) S18 = PERFLUORO[1,2-13C2]TETRADECANOIC ACID (M2PFTEDA)

*** Values outside of QC limits**

FORM II A2-NY-537-ISOTOPE (Continued)

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-01	Date Collected	: 09/14/20 10:30
Client ID	: MW-3A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/25/20 17:17
Sample Matrix	: WATER	Date Extracted	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I26784	Analyst	: RS
Sample Amount	: 247.46 g	Instrument ID	: LCMS01
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	186	2.02	0.412	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	692	2.02	0.400	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	3.16	2.02	0.240	
307-24-4	Perfluorohexanoic Acid (PFHxA)	427	2.02	0.331	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	285	2.02	0.228	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	4.55	2.02	0.380	
335-67-1	Perfluorooctanoic Acid (PFOA)	199	2.02	0.238	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.48	2.02	1.34	F
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	2.16	2.02	0.695	
375-95-1	Perfluorononanoic Acid (PFNA)	11.4	2.02	0.315	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	83.3	2.02	0.509	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	2.02	0.307	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	2.02	1.22	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	2.02	0.655	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	2.02	0.263	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	2.02	0.990	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	2.02	0.586	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	2.02	0.812	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-01	**Date Collected**	: 09/14/20 10:30
Client ID	: MW-3A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/25/20 17:17
Sample Matrix	: WATER	**Date Extracted**	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I26784	**Analyst**	: RS
Sample Amount	: 247.46 g	**Instrument ID**	: LCMS01
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	2.02	0.376	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	2.02	0.330	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	2.02	0.250	U
NONE	PFOA/PFOS, Total	282	2.02	0.238	

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-02	Date Collected	: 09/14/20 13:22
Client ID	: MW-5	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/25/20 17:34
Sample Matrix	: WATER	Date Extracted	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I26785	Analyst	: RS
Sample Amount	: 264.64 g	Instrument ID	: LCMS01
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	7.86	1.89	0.385	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	13.4	1.89	0.374	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	5.92	1.89	0.225	
307-24-4	Perfluorohexanoic Acid (PFHxA)	7.30	1.89	0.310	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	8.20	1.89	0.213	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	3.01	1.89	0.355	F
335-67-1	Perfluorooctanoic Acid (PFOA)	26.7	1.89	0.223	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.89	1.26	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.89	0.650	U
375-95-1	Perfluorononanoic Acid (PFNA)	7.28	1.89	0.295	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	103	1.89	0.476	
335-76-2	Perfluorodecanoic Acid (PFDA)	0.529	1.89	0.287	J
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.89	1.14	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.89	0.612	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.89	0.246	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.89	0.926	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.89	0.548	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.89	0.760	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-02	**Date Collected**	: 09/14/20 13:22
Client ID	: MW-5	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/25/20 17:34
Sample Matrix	: WATER	**Date Extracted**	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I26785	**Analyst**	: RS
Sample Amount	: 264.64 g	**Instrument ID**	: LCMS01
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.89	0.351	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.89	0.309	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.89	0.234	U
NONE	PFOA/PFOS, Total	130	1.89	0.223	

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-03	Date Collected	: 09/14/20 13:30
Client ID	: 20200914-DUP	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/25/20 17:51
Sample Matrix	: WATER	Date Extracted	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I26786	Analyst	: RS
Sample Amount	: 292.44 g	Instrument ID	: LCMS01
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	7.77	1.71	0.349	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	13.6	1.71	0.338	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	5.99	1.71	0.203	
307-24-4	Perfluorohexanoic Acid (PFHxA)	7.20	1.71	0.280	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	8.31	1.71	0.192	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	2.64	1.71	0.321	F
335-67-1	Perfluorooctanoic Acid (PFOA)	25.7	1.71	0.202	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.71	1.14	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.592	1.71	0.588	J
375-95-1	Perfluorononanoic Acid (PFNA)	7.14	1.71	0.267	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	106	1.71	0.431	
335-76-2	Perfluorodecanoic Acid (PFDA)	0.612	1.71	0.260	J
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.71	1.04	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.71	0.554	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.71	0.222	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.71	0.838	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.71	0.496	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.71	0.687	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-03	**Date Collected**	: 09/14/20 13:30
Client ID	: 20200914-DUP	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/25/20 17:51
Sample Matrix	: WATER	**Date Extracted**	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I26786	**Analyst**	: RS
Sample Amount	: 292.44 g	**Instrument ID**	: LCMS01
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.71	0.318	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.71	0.280	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.71	0.212	U
NONE	PFOA/PFOS, Total	132	1.71	0.202	

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-04	Date Collected	: 09/14/20 18:35
Client ID	: MW-2A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/25/20 18:07
Sample Matrix	: WATER	Date Extracted	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I26787	Analyst	: RS
Sample Amount	: 267.21 g	Instrument ID	: LCMS01
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	12.5	1.87	0.382	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	23.2	1.87	0.370	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	2.85	1.87	0.223	
307-24-4	Perfluorohexanoic Acid (PFHxA)	16.5	1.87	0.307	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	17.9	1.87	0.211	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	5.77	1.87	0.352	
335-67-1	Perfluorooctanoic Acid (PFOA)	69.2	1.87	0.221	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.87	1.25	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.87	0.644	U
375-95-1	Perfluorononanoic Acid (PFNA)	1.73	1.87	0.292	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	5.22	1.87	0.472	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.87	0.284	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.87	1.13	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.87	0.606	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.87	0.243	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.87	0.917	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.87	0.543	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.87	0.752	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-04	**Date Collected**	: 09/14/20 18:35
Client ID	: MW-2A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/25/20 18:07
Sample Matrix	: WATER	**Date Extracted**	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I26787	**Analyst**	: RS
Sample Amount	: 267.21 g	**Instrument ID**	: LCMS01
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.87	0.348	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.87	0.306	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.87	0.232	U
NONE	PFOA/PFOS, Total	74.4	1.87	0.221	

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-05	Date Collected	: 09/14/20 16:57
Client ID	: MW-1A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/25/20 18:24
Sample Matrix	: WATER	Date Extracted	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I26788	Analyst	: RS
Sample Amount	: 249.11 g	Instrument ID	: LCMS01
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	3.64	2.01	0.409	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	3.50	2.01	0.397	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	1.98	2.01	0.239	J
307-24-4	Perfluorohexanoic Acid (PFHxA)	4.31	2.01	0.329	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	9.66	2.01	0.226	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	9.48	2.01	0.377	
335-67-1	Perfluorooctanoic Acid (PFOA)	72.9	2.01	0.237	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	2.01	1.34	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	2.01	0.690	U
375-95-1	Perfluorononanoic Acid (PFNA)	0.446	2.01	0.313	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	6.21	2.01	0.506	F
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	2.01	0.305	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	2.01	1.22	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	2.01	0.650	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	2.01	0.261	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	2.01	0.984	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	2.01	0.582	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	2.01	0.807	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-05	**Date Collected**	: 09/14/20 16:57
Client ID	: MW-1A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/25/20 18:24
Sample Matrix	: WATER	**Date Extracted**	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I26788	**Analyst**	: RS
Sample Amount	: 249.11 g	**Instrument ID**	: LCMS01
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	2.01	0.373	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	2.01	0.328	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	2.01	0.249	U
NONE	PFOA/PFOS, Total	79.1	2.01	0.237	

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-06	Date Collected	: 09/14/20 17:30
Client ID	: MW-4A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/25/20 18:40
Sample Matrix	: WATER	Date Extracted	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I26789	Analyst	: RS
Sample Amount	: 266.98 g	Instrument ID	: LCMS01
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	55.4	1.87	0.382	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	29.8	1.87	0.371	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	10.4	1.87	0.223	
307-24-4	Perfluorohexanoic Acid (PFHxA)	24.1	1.87	0.307	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	27.3	1.87	0.211	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	7.58	1.87	0.352	
335-67-1	Perfluorooctanoic Acid (PFOA)	148	1.87	0.221	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.87	1.25	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	2.18	1.87	0.644	F
375-95-1	Perfluorononanoic Acid (PFNA)	6.55	1.87	0.292	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	135	1.87	0.472	
335-76-2	Perfluorodecanoic Acid (PFDA)	3.04	1.87	0.285	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.87	1.13	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	0.846	1.87	0.607	J
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	0.521	1.87	0.243	J
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.87	0.918	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.858	1.87	0.543	JF
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.936	1.87	0.753	JF

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-06	**Date Collected**	: 09/14/20 17:30
Client ID	: MW-4A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/25/20 18:40
Sample Matrix	: WATER	**Date Extracted**	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I26789	**Analyst**	: RS
Sample Amount	: 266.98 g	**Instrument ID**	: LCMS01
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.87	0.348	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.87	0.306	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.87	0.232	U
NONE	PFOA/PFOS, Total	283	1.87	0.221	

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-07	**Date Collected**	: 09/14/20 18:30
Client ID	: 20200914-FIELD BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/25/20 18:57
Sample Matrix	: Field Blank	**Date Extracted**	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I26790	**Analyst**	: RS
Sample Amount	: 259.24 g	**Instrument ID**	: LCMS01
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	1.93	0.393	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	1.93	0.382	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.93	0.230	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.93	0.316	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.93	0.217	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.93	0.362	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.93	0.228	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.93	1.28	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.93	0.663	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.93	0.301	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.93	0.486	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.93	0.293	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.93	1.17	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.93	0.625	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.93	0.251	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.93	0.945	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	1.93	0.559	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.93	0.775	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-07	**Date Collected**	: 09/14/20 18:30
Client ID	: 20200914-FIELD BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/25/20 18:57
Sample Matrix	: Field Blank	**Date Extracted**	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I26790	**Analyst**	: RS
Sample Amount	: 259.24 g	**Instrument ID**	: LCMS01
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.93	0.359	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.93	0.316	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.93	0.239	U
NONE	PFOA/PFOS, Total	ND	1.93	0.228	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1412797-1	Date Collected	: NA
Client ID	: WG1412797-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/25/20 16:28
Sample Matrix	: WATER	Date Extracted	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	Dilution Factor	: 1
Lab File ID	: I26781	Analyst	: RS
Sample Amount	: 250 g	Instrument ID	: LCMS01
Extraction Method	: ALPHA 23528	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	2.00	0.408	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	2.00	0.396	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	2.00	0.238	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	0.352	2.00	0.328	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	2.00	0.225	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	2.00	0.376	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	2.00	0.236	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	2.00	1.33	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	2.00	0.688	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	2.00	0.312	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	2.00	0.504	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	2.00	0.304	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	2.00	1.21	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	2.00	0.648	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	2.00	0.260	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	2.00	0.980	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	2.00	0.580	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	2.00	0.804	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by Isotope Dilution

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1412797-1	**Date Collected**	: NA
Client ID	: WG1412797-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/25/20 16:28
Sample Matrix	: WATER	**Date Extracted**	: 09/22/20
Analytical Method	: 134,LCMSMS-ID	**Dilution Factor**	: 1
Lab File ID	: I26781	**Analyst**	: RS
Sample Amount	: 250 g	**Instrument ID**	: LCMS01
Extraction Method	: ALPHA 23528	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	2.00	0.372	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	2.00	0.327	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	2.00	0.248	U
NONE	PFOA/PFOS, Total	ND	2.00	0.236	U

Alpha Analytical Inc.
Dataset: C:\MassLynx\Data\2020\200924_537ISO.PRO\Data\wg1402459_ICV_A.qld
Last Altered: Friday, September 25, 2020 16:20:23 Eastern Daylight Time
Printed: Monday, September 28, 2020 09:25:14 Eastern Daylight Time

ID: CA2-537STD010
Name: I26763
Date: 24-Sep-2020
Time: 22:35:22
Description: WG1412459,,537ISO_ICV_200513
Instrument: XEVO-TQSmicro#QEA0276
User: LCMS01:RS
Inlet Method Name: C:\MassLynx\Data\2020\200924_537ISO.PRO\ACQUDB\LCMS_537_ISO_MeOH
Tune Method Name: C:\MassLynx\Data\2020\200924_537ISO.PRO\ACQUDB\200512_TUNE.IPR
MS Method Name: C:\MassLynx\Data\2020\200924_537ISO.PRO\ACQUDB\537ISO28_M_SPAN_DOD.EXP

	Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Ratio Flag	%Rec
40	d3-NMeFOSAA	INT STD	10.95	573.096 > 418.987	2712		10.627		na	106.3
41	br-NMeFOSAA	2355-31-9		570.053 > 418.917			ND		YES	
42	L-NMeFOSAA	2355-31-9	10.95	570.053 > 418.917	2526		9.531	3.73	NO	125.4
43	NMeFOSAA	2355-31-9		570.053 > 418.917	2526		9.531		na	
44	PFUnA	2058-94-8	11.09	562.989 > 518.903	19073		9.632	5.93	NO	96.3
45	M7-PFUDA	INT STD	11.09	570.053 > 524.923	19473		11.184		na	111.8
46	PFDS	335-77-3	11.10	598.926 > 80.314	3862		8.376	1.40	NO	86.8
47	FOSA	754-91-6	11.06	497.989 > 78.245	16016	M7	9.063	372.27	YES	90.6
48	M8FOSA	INT STD	11.06	506.053 > 78.286	16907		10.783		na	107.8
49	d5-NEtFOSAA	INT STD	11.23	589.117 > 418.929	1688		9.919		na	99.2
50	br-NEtFOSAA	2991-50-6		583.989 > 418.927			ND		YES	
51	L-NEtFOSAA	2991-50-6	11.24	583.989 > 418.927	1720		10.970	4.31	NO	141.5
52	NEtFOSAA	2991-50-6		583.989 > 418.927	1720		10.970		na	
53	PFDoA	307-55-1	11.55	612.989 > 568.967	19703		8.815	8.07	NO	88.2
54	MPFDOA	INT STD	11.55	614.989 > 569.92	17025		10.384		na	103.8
55	PFTrDA	72629-94-8	11.95	663.053 > 618.969	19672		9.858	7.91	NO	98.6
56	PFTA	376-06-7	12.30	713.053 > 668.976	15789		9.762	5.05	NO	97.6
57	M2PFTEDA	INT STD	12.30	715.053 > 669.945	16977		9.831		na	98.3
58	M3HFPO-DA	INT STD	7.37	287.02 > 169.022	5474		140.169		na	70.1
59	HFPO-DA	13252-13-6	7.37	285.035 > 169.022	3514		208.127	3.49	NO	104.1
60	ADONA	958445-44-8	8.41	376.926 > 251.005	53605		8.739		na	92.4
61	PFHxDA		12.72	813.053 > 769.005	10041		10.302		na	103.0
62	PFODA		12.89	913.411 > 869.131	4034		9.574		na	95.7
63	M2PFHxDA		12.72	815.372 > 770.158	3894		9.766		na	97.7
64	PFDoS		11.94	699.15 > 79.853	5682		11.269	2.15	NO	112.7
65	10:2FTS		11.56	627.192 > 607.186	1044		10.445		na	108.4
66	9CL-PF3ONS		10.33	530.862 > 350.843	17161		8.181		na	87.8
67	11CL-PFOUdS		11.36	630.862 > 450.854	10884		7.644		na	81.1
68	NMeFOSA		11.67	512.163 > 169.022	3788		10.853	1.91	NO	108.5
69	d3-NMeFOSA		11.66	515.183 > 169.022	53248		103.275		na	93.9
70	NEtFOSA		11.96	526.192 > 169.022	4534		11.232	7.03	NO	112.3
71	d5-NEtFOSA		11.95	531.224 > 169.022	53158		104.034		na	94.6
72	NMeFOSE		11.67	616 > 59	5253		11.152		na	111.5
73	d7-NMeFOSE		11.65	623 > 59	22357		102.627		na	93.3
74	NEtFOSE		11.96	630 > 59	5354		10.180		na	101.8
75	d9-NEtFOSE		11.94	639 > 59	21407		104.907		na	95.4

all concentration units in (ng/mL)

Calibration Verification Summary
Form 7
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282		
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00		
Instrument ID	: LCMS01	**Calibration Date**	: 09/25/20 12:04		
Lab File ID	: I26767	**Init. Calib. Date(s)**	: 09/24/20	09/24/20	
Sample No	: WG1414549-1	**Init. Calib. Times**	: 20:22	22:02	
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.492	0.500	98.5	50-150
Perfluoropentanoic Acid (PFPeA)	0.517	0.500	103.4	50-150
Perfluorobutanesulfonic Acid (PFBS)	0.428	0.440	96.7	50-150
Perfluorohexanoic Acid (PFHxA)	0.552	0.500	110.4	50-150
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.519	0.470	111	50-150
Perfluoropentanesulfonic Acid (PFPeS)	0.475	0.470	101.1	50-150
Perfluoroheptanoic Acid (PFHpA)	0.498	0.500	99.7	50-150
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	0.047	0.086	54.9	50-150
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	0.273	0.370	73.7	50-150
Perfluorohexanesulfonic Acid (PFHxS)	0.319	0.460	-	50-150
Perfluorooctanoic Acid-Branched (br-PFOA)			-	50-150
Perfluorooctanoic Acid-Linear (L-PFOA)	0.521		104.3	50-150
Perfluorooctanoic Acid (PFOA)	0.521	0.500	-	50-150
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.407	0.480	85.7	50-150
Perfluoroheptanesulfonic Acid (PFHpS)	0.462	0.480	97.3	50-150
Perfluorononanoic Acid (PFNA)	0.513	0.500	102.6	50-150
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	0.093	0.098	95.4	50-150
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	0.377	0.365	103	50-150
Perfluorooctanesulfonic Acid (PFOS)	0.470	0.460	-	50-150
Perfluorodecanoic Acid (PFDA)	0.535	0.500	106.9	50-150
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.666	0.480	138.7	50-150
Perfluorononanesulfonic Acid (PFNS)	0.465	0.480	96.8	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.355	0.500	-	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)	0.062		51.4	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	0.294	0.500	77.3	50-150
Perfluoroundecanoic Acid (PFUnA)	0.410	0.500	81.9	50-150
Perfluorodecanesulfonic Acid (PFDS)	0.330	0.480	68.4	50-150
Perfluorooctanesulfonamide (FOSA)	0.496	0.500	99.1	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.250	0.500	-	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)			-	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	0.250	0.500	64.5	50-150
Perfluorododecanoic Acid (PFDoA)	0.332	0.500	66.4	50-150
Perfluorotridecanoic Acid (PFTrDA)	0.526	0.500	105.3	50-150
Perfluorotetradecanoic Acid (PFTA)	0.507	0.500	101.4	50-150
Perfluoro[13C4]Butanoic Acid (MPFBA)	9.865	10.000	98.7	50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	9.758	10.000	97.6	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	9.954	10.000	99.5	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	8.158	10.000	81.6	50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	10.000	10.000	100	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	9.973	10.000	99.7	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	9.750	10.000	97.5	50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	10.070	10.000	100.7	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	7.172	10.000	71.7	50-150

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282		
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00		
Instrument ID	: LCMS01	**Calibration Date**	: 09/25/20 15:45		
Lab File ID	: I26780	**Init. Calib. Date(s)**	: 09/24/20	09/24/20	
Sample No	: WG1414549-2	**Init. Calib. Times**	: 20:22	22:02	
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	10.113	10.000	101.1	70-130
Perfluoropentanoic Acid (PFPeA)	9.957	10.000	99.6	70-130
Perfluorobutanesulfonic Acid (PFBS)	8.206	8.850	92.7	70-130
Perfluorohexanoic Acid (PFHxA)	10.018	10.000	100.2	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	10.138	9.350	108.4	70-130
Perfluoropentanesulfonic Acid (PFPeS)	7.877	9.400	83.8	70-130
Perfluoroheptanoic Acid (PFHpA)	10.099	10.000	101	70-130
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	1.157	1.720	68*	70-130
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	5.113	7.400	69.1*	70-130
Perfluorohexanesulfonic Acid (PFHxS)	6.270	9.120	-	70-130
Perfluorooctanoic Acid-Branched (br-PFOA)			-	70-130
Perfluorooctanoic Acid-Linear (L-PFOA)	9.955	10.000	99.6	70-130
Perfluorooctanoic Acid (PFOA)	9.955	10.000	-	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	10.027	9.500	105.6	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	8.950	9.500	94.2	70-130
Perfluorononanoic Acid (PFNA)	10.178	10.000	101.8	70-130
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	1.886	1.960	96.2	70-130
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	7.091	7.300	96.9	70-130
Perfluorooctanesulfonic Acid (PFOS)	8.977	9.260	-	70-130
Perfluorodecanoic Acid (PFDA)	10.036	10.000	100.4	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	12.046	9.600	125.5	70-130
Perfluorononanesulfonic Acid (PFNS)	9.593	9.600	99.9	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	10.249	10.000	-	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)	1.734		72.2	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	8.516	10.000	112	70-130
Perfluoroundecanoic Acid (PFUnA)	9.721	10.000	97.2	70-130
Perfluorodecanesulfonic Acid (PFDS)	10.217	9.650	105.9	70-130
Perfluorooctanesulfonamide (FOSA)	9.591	10.000	95.9	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	13.263	10.000	-	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)	3.437		152.8*	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	9.826	10.000	126.8	70-130
Perfluorododecanoic Acid (PFDoA)	10.833	10.000	108.3	70-130
Perfluorotridecanoic Acid (PFTrDA)	11.125	10.000	111.2	70-130
Perfluorotetradecanoic Acid (PFTA)	10.296	10.000	103	70-130
Perfluoro[13C4]Butanoic Acid (MPFBA)	10.027	10.000	100.3	50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	10.611	10.000	106.1	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	9.107	10.000	91.1	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	7.705	10.000	77.1	50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	9.813	10.000	98.1	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	9.564	10.000	95.6	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	10.323	10.000	103.2	50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	9.695	10.000	97	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	7.415	10.000	74.1	50-150

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282		
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00		
Instrument ID	: LCMS01	**Calibration Date**	: 09/25/20 19:13		
Lab File ID	: I26791	**Init. Calib. Date(s)**	: 09/24/20	09/24/20	
Sample No	: WG1414549-3	**Init. Calib. Times**	: 20:22	22:02	
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.483	0.500	96.5	50-150
Perfluoropentanoic Acid (PFPeA)	0.501	0.500	100.2	50-150
Perfluorobutanesulfonic Acid (PFBS)	0.402	0.440	90.8	50-150
Perfluorohexanoic Acid (PFHxA)	0.550	0.500	109.9	50-150
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.401	0.470	85.7	50-150
Perfluoropentanesulfonic Acid (PFPeS)	0.374	0.470	79.5	50-150
Perfluoroheptanoic Acid (PFHpA)	0.490	0.500	98	50-150
Perfluorohexanesulfonic Acid-Branched (br-PFHxS)	0.046	0.086	54.5	50-150
Perfluorohexanesulfonic Acid-Linear (L-PFHxS)	0.240	0.370	64.9	50-150
Perfluorohexanesulfonic Acid (PFHxS)	0.287	0.460	-	50-150
Perfluorooctanoic Acid-Branched (br-PFOA)			-	50-150
Perfluorooctanoic Acid-Linear (L-PFOA)	0.493		98.6	50-150
Perfluorooctanoic Acid (PFOA)	0.493	0.500	-	50-150
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.457	0.480	96.3	50-150
Perfluoroheptanesulfonic Acid (PFHpS)	0.393	0.480	82.8	50-150
Perfluorononanoic Acid (PFNA)	0.474	0.500	94.8	50-150
Perfluorooctanesulfonic Acid-Branched (br-PFOS)	0.103	0.098	105.4	50-150
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	0.316	0.365	86.3	50-150
Perfluorooctanesulfonic Acid (PFOS)	0.419	0.460	-	50-150
Perfluorodecanoic Acid (PFDA)	0.523	0.500	104.5	50-150
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.501	0.480	104.3	50-150
Perfluorononanesulfonic Acid (PFNS)	0.460	0.480	95.9	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.458	0.500	-	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NMeFOSAA)	0.040		33.7*	50-150
N-Methyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NMeFOSAA)	0.417	0.500	109.8	50-150
Perfluoroundecanoic Acid (PFUnA)	0.455	0.500	91.1	50-150
Perfluorodecanesulfonic Acid (PFDS)	0.274	0.480	56.8	50-150
Perfluorooctanesulfonamide (FOSA)	0.507	0.500	101.4	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.482	0.500	-	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Branched (br-NEtFOSAA)	0.051		44.9*	50-150
N-Ethyl Perfluorooctanesulfonamidoacetic Acid-Linear (L-NEtFOSAA)	0.431	0.500	111.2	50-150
Perfluorododecanoic Acid (PFDoA)	0.471	0.500	94.2	50-150
Perfluorotridecanoic Acid (PFTrDA)	0.467	0.500	93.4	50-150
Perfluorotetradecanoic Acid (PFTA)	0.503	0.500	100.5	50-150
Perfluoro[13C4]Butanoic Acid (MPFBA)	10.029	10.000	100.3	50-150
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	10.606	10.000	106.1	50-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	8.992	10.000	89.9	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	7.488	10.000	74.9	50-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	9.894	10.000	98.9	50-150
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	9.871	10.000	98.7	50-150
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	10.212	10.000	102.1	50-150
Perfluoro[13C8]Octanoic Acid (M8PFOA)	10.044	10.000	100.4	50-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	6.926	10.000	69.3	50-150

* Value outside of QC limits.

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-01	**Date Collected**	: 09/14/20 10:30
Client ID	: MW-3A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 15:19
Sample Matrix	: WATER	**Date Extracted**	: 09/16/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22200917a-28	**Analyst**	: JMC
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-02	**Date Collected**	: 09/14/20 13:22
Client ID	: MW-5	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 15:37
Sample Matrix	: WATER	**Date Extracted**	: 09/16/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22200917a-29	**Analyst**	: JMC
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-03	**Date Collected**	: 09/14/20 13:30
Client ID	: 20200914-DUP	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 15:55
Sample Matrix	: WATER	**Date Extracted**	: 09/16/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22200917a-30	**Analyst**	: JMC
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-04	**Date Collected**	: 09/14/20 18:35
Client ID	: MW-2A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 16:13
Sample Matrix	: WATER	**Date Extracted**	: 09/16/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22200917a-31	**Analyst**	: JMC
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-05	**Date Collected**	: 09/14/20 16:57
Client ID	: MW-1A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 16:31
Sample Matrix	: WATER	**Date Extracted**	: 09/16/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22200917a-32	**Analyst**	: JMC
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-06	**Date Collected**	: 09/14/20 17:30
Client ID	: MW-4A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 17:07
Sample Matrix	: WATER	**Date Extracted**	: 09/16/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22200917a-34	**Analyst**	: JMC
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-08	**Date Collected**	: 09/14/20 19:00
Client ID	: 20200914-EQUIPMENT BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/17/20 17:25
Sample Matrix	: Equipment Blank	**Date Extracted**	: 09/16/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22200917a-35	**Analyst**	: JMC
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1410760-1	**Date Collected**	: NA
Client ID	: WG1410760-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/17/20 14:25
Sample Matrix	: WATER	**Date Extracted**	: 09/16/20
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22200917a-25	**Analyst**	: JMC
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Calibration Verification Summary
Form 7
Pesticides

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2038282	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: PEST22		**Calibration Date**	: 09/17/20 16:49	
Lab File ID	: 22200917a-33		**Init. Calib. Date(s)**	: 07/15/20	07/15/20
Sample No	: WG1410962-3		**Init. Calib. Times**	: 11:36	13:06
Channel	: A				

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	0.25	0.25	-	0	15	118	-.01
Dalapon	0.182	0.202	-	-11	15	129	0
DCAA (surrogate)	0.188	0.208	-	-10.6	15	124	0
Dicamba	0.188	0.213	-	-13.3	15	128	0
MCPP	18.8	17.401	-	7.4	15	107	0
MCPA	18.6	19.213	-	-3.3	15	118	-.01
Dichloroprop	0.188	0.205	-	-9	15	122	-.01
2,4-D	0.188	0.205	-	-9	15	124	-.02
2,4,5-TP (Silvex)	0.19	0.22	-	-15.8*	15	130	-.02
2,4,5-T	0.19	0.214	-	-12.6	15	128	-.02
2,4-DB	0.192	0.225	-	-17.2*	15	135	-.02
Dinoseb	0.19	0.265	-	-39.5*	15	156	-.02

* Value outside of QC limits.

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-01	Date Collected	: 09/14/20 10:30
Client ID	: MW-3A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/21/20 04:39
Sample Matrix	: WATER	Date Extracted	: 09/19/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 13200921a-09	Analyst	: AWS
Sample Amount	: 140 ml	Instrument ID	: PEST13
Extraction Method	: EPA 3510C	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	0.083	0.034	U
11104-28-2	Aroclor 1221	ND	0.083	0.067	U
11141-16-5	Aroclor 1232	ND	0.083	0.046	U
53469-21-9	Aroclor 1242	ND	0.083	0.039	U
12672-29-6	Aroclor 1248	ND	0.083	0.049	U
11097-69-1	Aroclor 1254	ND	0.083	0.039	U
11096-82-5	Aroclor 1260	ND	0.083	0.032	U
37324-23-5	Aroclor 1262	ND	0.083	0.035	U
11100-14-4	Aroclor 1268	ND	0.083	0.034	U
1336-36-3	PCBs, Total	ND	0.083	0.032	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-02	Date Collected	: 09/14/20 13:22
Client ID	: MW-5	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/21/20 04:48
Sample Matrix	: WATER	Date Extracted	: 09/19/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 13200921a-10	Analyst	: AWS
Sample Amount	: 140 ml	Instrument ID	: PEST13
Extraction Method	: EPA 3510C	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	0.083	0.034	U
11104-28-2	Aroclor 1221	ND	0.083	0.067	U
11141-16-5	Aroclor 1232	ND	0.083	0.046	U
53469-21-9	Aroclor 1242	ND	0.083	0.039	U
12672-29-6	Aroclor 1248	ND	0.083	0.049	U
11097-69-1	Aroclor 1254	ND	0.083	0.039	U
11096-82-5	Aroclor 1260	ND	0.083	0.032	U
37324-23-5	Aroclor 1262	ND	0.083	0.035	U
11100-14-4	Aroclor 1268	ND	0.083	0.034	U
1336-36-3	PCBs, Total	ND	0.083	0.032	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-03	Date Collected	: 09/14/20 13:30
Client ID	: 20200914-DUP	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/21/20 04:56
Sample Matrix	: WATER	Date Extracted	: 09/19/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 13200921a-11	Analyst	: AWS
Sample Amount	: 140 ml	Instrument ID	: PEST13
Extraction Method	: EPA 3510C	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	0.083	0.034	U
11104-28-2	Aroclor 1221	ND	0.083	0.067	U
11141-16-5	Aroclor 1232	ND	0.083	0.046	U
53469-21-9	Aroclor 1242	ND	0.083	0.039	U
12672-29-6	Aroclor 1248	ND	0.083	0.049	U
11097-69-1	Aroclor 1254	ND	0.083	0.039	U
11096-82-5	Aroclor 1260	ND	0.083	0.032	U
37324-23-5	Aroclor 1262	ND	0.083	0.035	U
11100-14-4	Aroclor 1268	ND	0.083	0.034	U
1336-36-3	PCBs, Total	ND	0.083	0.032	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-04	**Date Collected**	: 09/14/20 18:35
Client ID	: MW-2A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/21/20 05:05
Sample Matrix	: WATER	**Date Extracted**	: 09/19/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 13200921a-12	**Analyst**	: AWS
Sample Amount	: 140 ml	**Instrument ID**	: PEST13
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.083	0.034	U
11104-28-2	Aroclor 1221	ND	0.083	0.067	U
11141-16-5	Aroclor 1232	ND	0.083	0.046	U
53469-21-9	Aroclor 1242	ND	0.083	0.039	U
12672-29-6	Aroclor 1248	ND	0.083	0.049	U
11097-69-1	Aroclor 1254	ND	0.083	0.039	U
11096-82-5	Aroclor 1260	ND	0.083	0.032	U
37324-23-5	Aroclor 1262	ND	0.083	0.035	U
11100-14-4	Aroclor 1268	ND	0.083	0.034	U
1336-36-3	PCBs, Total	ND	0.083	0.032	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-05	Date Collected	: 09/14/20 16:57
Client ID	: MW-1A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/21/20 05:13
Sample Matrix	: WATER	Date Extracted	: 09/19/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 13200921a-13	Analyst	: AWS
Sample Amount	: 140 ml	Instrument ID	: PEST13
Extraction Method	: EPA 3510C	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	0.083	0.034	U
11104-28-2	Aroclor 1221	ND	0.083	0.067	U
11141-16-5	Aroclor 1232	ND	0.083	0.046	U
53469-21-9	Aroclor 1242	ND	0.083	0.039	U
12672-29-6	Aroclor 1248	ND	0.083	0.049	U
11097-69-1	Aroclor 1254	ND	0.083	0.039	U
11096-82-5	Aroclor 1260	ND	0.083	0.032	U
37324-23-5	Aroclor 1262	ND	0.083	0.035	U
11100-14-4	Aroclor 1268	ND	0.083	0.034	U
1336-36-3	PCBs, Total	ND	0.083	0.032	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-06	Date Collected	: 09/14/20 17:30
Client ID	: MW-4A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/21/20 05:22
Sample Matrix	: WATER	Date Extracted	: 09/19/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 13200921a-14	Analyst	: AWS
Sample Amount	: 140 ml	Instrument ID	: PEST13
Extraction Method	: EPA 3510C	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	0.083	0.034	U
11104-28-2	Aroclor 1221	ND	0.083	0.067	U
11141-16-5	Aroclor 1232	ND	0.083	0.046	U
53469-21-9	Aroclor 1242	ND	0.083	0.039	U
12672-29-6	Aroclor 1248	ND	0.083	0.049	U
11097-69-1	Aroclor 1254	ND	0.083	0.039	U
11096-82-5	Aroclor 1260	ND	0.083	0.032	U
37324-23-5	Aroclor 1262	ND	0.083	0.035	U
11100-14-4	Aroclor 1268	ND	0.083	0.034	U
1336-36-3	PCBs, Total	ND	0.083	0.032	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-08	**Date Collected**	: 09/14/20 19:00
Client ID	: 20200914-EQUIPMENT BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/21/20 05:31
Sample Matrix	: Equipment Blank	**Date Extracted**	: 09/19/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 13200921a-15	**Analyst**	: AWS
Sample Amount	: 140 ml	**Instrument ID**	: PEST13
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.083	0.034	U
11104-28-2	Aroclor 1221	ND	0.083	0.067	U
11141-16-5	Aroclor 1232	ND	0.083	0.046	U
53469-21-9	Aroclor 1242	ND	0.083	0.039	U
12672-29-6	Aroclor 1248	ND	0.083	0.049	U
11097-69-1	Aroclor 1254	ND	0.083	0.039	U
11096-82-5	Aroclor 1260	ND	0.083	0.032	U
37324-23-5	Aroclor 1262	ND	0.083	0.035	U
11100-14-4	Aroclor 1268	ND	0.083	0.034	U
1336-36-3	PCBs, Total	ND	0.083	0.032	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1411950-1	**Date Collected**	: NA
Client ID	: WG1411950-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/21/20 04:13
Sample Matrix	: WATER	**Date Extracted**	: 09/19/20
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 13200921a-06	**Analyst**	: AWS
Sample Amount	: 140 ml	**Instrument ID**	: PEST13
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.083	0.034	U
11104-28-2	Aroclor 1221	ND	0.083	0.067	U
11141-16-5	Aroclor 1232	ND	0.083	0.046	U
53469-21-9	Aroclor 1242	ND	0.083	0.039	U
12672-29-6	Aroclor 1248	ND	0.083	0.049	U
11097-69-1	Aroclor 1254	ND	0.083	0.039	U
11096-82-5	Aroclor 1260	ND	0.083	0.032	U
37324-23-5	Aroclor 1262	ND	0.083	0.035	U
11100-14-4	Aroclor 1268	ND	0.083	0.034	U
1336-36-3	PCBs, Total	ND	0.083	0.032	U

Surrogate Recovery Summary
Form 2
Pesticides

Client: GZA GeoEnvironmental, Inc.
Project Name: 100 UNION AVE

Lab Number: L2038282
Project Number: 12.0076932.00
Matrix: Equipment Blank/Water

GC Column 1: CLPPesticides
GC Column 2: CLPPesticidesII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
MW-3A (L2038282-01)	140	99	133	109			0
MW-5 (L2038282-02)	81	86	--	--			0
20200914-DUP (L2038282-03)	103	106	101	121			0
MW-2A (L2038282-04)	88	88	81	100			0
MW-1A (L2038282-05)	130	102	112	108			0
MW-4A (L2038282-06)	21*	73	18*	69			2
20200914-EQUIPMENT BLANK (L2038282-08)	73	100	80	117			0
WG1411412-1BLANK	74	84	97	117			0
WG1411412-2LCS	65	78	92	105			0
WG1411412-3LCSD	85	103	103	129			0

QC LIMITS
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
(30-150) DCBP = DECACHLOROBIPHENYL

*** Values outside of QC limits**

FORM II NYTCL-8081

Laboratory Control Sample Summary
Form 3
Pesticides

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Matrix	: WATER		
LCS Sample ID	: WG1411412-2 **Analysis Date** : 09/18/20 11:05	**File ID**	: 10200918a-18
LCSD Sample ID	: WG1411412-3 **Analysis Date** : 09/18/20 11:18	**File ID**	: 10200918a-19

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Delta-BHC	0.357	0.276	77	0.357	0.309	87	11	30-150	20
Lindane	0.357	0.311	87	0.357	0.348	97	11	30-150	20
Alpha-BHC	0.357	0.275	77	0.357	0.308	86	11	30-150	20
Beta-BHC	0.357	0.358	100	0.357	0.391	109	9	30-150	20
Heptachlor	0.357	0.326	91	0.357	0.389	109	18	30-150	20
Aldrin	0.357	0.293	82	0.357	0.360	101	21 Q	30-150	20
Heptachlor epoxide	0.357	0.328	92	0.357	0.377	106	14	30-150	20
Endrin	0.357	0.334	94	0.357	0.385	108	14	30-150	20
Endrin aldehyde	0.357	0.312	87	0.357	0.327	92	5	30-150	20
Endrin ketone	0.357	0.358	100	0.357	0.399	112	11	30-150	20
Dieldrin	0.357	0.341	96	0.357	0.390	109	13	30-150	20
4,4'-DDE	0.357	0.308	86	0.357	0.356	100	15	30-150	20
4,4'-DDD	0.357	0.353	99	0.357	0.407	114	14	30-150	20
4,4'-DDT	0.357	0.339	95	0.357	0.397	111	16	30-150	20
Endosulfan I	0.357	0.331	93	0.357	0.371	104	11	30-150	20
Endosulfan II	0.357	0.353	99	0.357	0.395	111	12	30-150	20
Endosulfan sulfate	0.357	0.325	91	0.357	0.366	102	11	30-150	20
Methoxychlor	0.357	0.424	119	0.357	0.462	129	8	30-150	20
cis-Chlordane	0.357	0.301	84	0.357	0.342	96	13	30-150	20
trans-Chlordane	0.357	0.303	85	0.357	0.358	100	16	30-150	20

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-01	Date Collected	: 09/14/20 10:30
Client ID	: MW-3A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/18/20 12:11
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 10200918a-23	Analyst	: SL
Sample Amount	: 140 ml	Instrument ID	: PEST10
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-01	**Date Collected**	: 09/14/20 10:30
Client ID	: MW-3A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/18/20 12:11
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10200918a-23	**Analyst**	: SL
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-02	Date Collected	: 09/14/20 13:22
Client ID	: MW-5	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/18/20 12:25
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 10200918a-24	Analyst	: SL
Sample Amount	: 140 ml	Instrument ID	: PEST10
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-02	**Date Collected**	: 09/14/20 13:22
Client ID	: MW-5	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/18/20 12:25
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10200918a-24	**Analyst**	: SL
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-03	Date Collected	: 09/14/20 13:30
Client ID	: 20200914-DUP	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/18/20 12:38
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 10200918a-25	Analyst	: SL
Sample Amount	: 140 ml	Instrument ID	: PEST10
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-03	**Date Collected**	: 09/14/20 13:30
Client ID	: 20200914-DUP	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/18/20 12:38
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10200918a-25	**Analyst**	: SL
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-04	Date Collected	: 09/14/20 18:35
Client ID	: MW-2A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/18/20 12:51
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 10200918a-26	Analyst	: SL
Sample Amount	: 140 ml	Instrument ID	: PEST10
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-04	**Date Collected**	: 09/14/20 18:35
Client ID	: MW-2A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/18/20 12:51
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10200918a-26	**Analyst**	: SL
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-05	Date Collected	: 09/14/20 16:57
Client ID	: MW-1A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/18/20 13:04
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 10200918a-27	Analyst	: SL
Sample Amount	: 140 ml	Instrument ID	: PEST10
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	0.003	0.029	0.003	J
72-54-8	4,4'-DDD	0.004	0.029	0.003	JIP
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-05	**Date Collected**	: 09/14/20 16:57
Client ID	: MW-1A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/18/20 13:04
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10200918a-27	**Analyst**	: SL
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-06	Date Collected	: 09/14/20 17:30
Client ID	: MW-4A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/18/20 13:18
Sample Matrix	: WATER	Date Extracted	: 09/18/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 10200918a-28	Analyst	: SL
Sample Amount	: 140 ml	Instrument ID	: PEST10
Extraction Method	: EPA 3510C	GC Column	: CLPPesticidesII
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	UIP
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-06	**Date Collected**	: 09/14/20 17:30
Client ID	: MW-4A	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/18/20 13:18
Sample Matrix	: WATER	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10200918a-28	**Analyst**	: SL
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticidesII
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-08	Date Collected	: 09/14/20 19:00
Client ID	: 20200914-EQUIPMENT BLANK	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/18/20 13:31
Sample Matrix	: Equipment Blank	Date Extracted	: 09/18/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 10200918a-29	Analyst	: SL
Sample Amount	: 140 ml	Instrument ID	: PEST10
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: L2038282-08	**Date Collected**	: 09/14/20 19:00
Client ID	: 20200914-EQUIPMENT BLANK	**Date Received**	: 09/15/20
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 09/18/20 13:31
Sample Matrix	: Equipment Blank	**Date Extracted**	: 09/18/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10200918a-29	**Analyst**	: SL
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1411412-1	Date Collected	: NA
Client ID	: WG1411412-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/18/20 10:52
Sample Matrix	: WATER	Date Extracted	: 09/17/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 10200918a-17	Analyst	: SM
Sample Amount	: 140 ml	Instrument ID	: PEST10
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Lab ID	: WG1411412-1	**Date Collected**	: NA
Client ID	: WG1411412-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/18/20 10:52
Sample Matrix	: WATER	**Date Extracted**	: 09/17/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10200918a-17	**Analyst**	: SM
Sample Amount	: 140 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Calibration Verification Summary
Form 7
Pesticides

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2038282	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: PEST10		**Calibration Date**	: 09/18/20 07:34	
Lab File ID	: 10200918a-06		**Init. Calib. Date(s)**	: 07/08/20	07/09/20
Sample No	: WG1411572-1		**Init. Calib. Times**	: 12:49	05:39
Channel	: A				

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	25	25	-	0	20	92	0
2,4,5,6-Tetrachloro-m-xylen	50	42.345	-	15.3	20	90	0
Hexachlorobenzene	50	45.048	-	9.9	20	100	0
alpha-BHC	50	46.42	-	7.2	20	99	0
gamma-BHC (lindane)	50	49.521	-	1	20	95	0
beta-BHC	50	52.063	-	-4.1	20	96	0
delta-BHC	50	52.041	-	-4.1	20	101	0
Heptachlor	50	56.1	-	-12.2	20	104	0
Aldrin	50	50.75	-	-1.5	20	95	0
Alachlor	50	41.889	-	16.2	20	86	0
Chlorpyrifos	50	56.387	-	-12.8	20	90	0
Heptachlor Epoxide	50	35.981	-	28*	20	67	0
gamma-Chlordane (trans)	50	51.103	-	-2.2	20	97	0
alpha-Chlordane (cis)	50	50.714	-	-1.4	20	95	0
4,4'-DDE	50	50.466	-	-0.9	20	95	0
Endosulfan I	50	56.66	-	-13.3	20	104	0
Dieldrin	50	56.437	-	-12.9	20	105	0
Endrin	50	55.505	-	-11	20	103	0
4,4'-DDD	50	55.804	-	-11.6	20	104	0
Endosulfan II	50	53.863	-	-7.7	20	98	0
4,4'-DDT	50	48.66	-	2.7	20	91	0
Endrin Aldehyde	50	52.467	-	-4.9	20	95	0
Methoxychlor	50	62.706	-	-25.4*	20	109	0
Mirex	50	52.567	-	-5.1	20	89	0
Endosulfan Sulfate	50	51.828	-	-3.7	20	97	0
Endrin Ketone	50	54.538	-	-9.1	20	99	0
Decachlorobiphenyl	50	29.004	-	42*	20	60	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L2038282	
Project Name	: 100 UNION AVE		**Project Number**	: 12.0076932.00	
Instrument ID	: PEST10		**Calibration Date**	: 09/18/20 10:12	
Lab File ID	: 10200918a-15		**Init. Calib. Date(s)**	: 07/08/20	07/09/20
Sample No	: WG1411572-4		**Init. Calib. Times**	: 12:49	05:39
Channel	: A				

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	25	25	-	0	20	88	0
2,4,5,6-Tetrachloro-m-xylen	50	42.77	-	14.5	20	87	0
Hexachlorobenzene	50	45.768	-	8.5	20	97	0
alpha-BHC	50	46.078	-	7.8	20	95	0
gamma-BHC (lindane)	50	49.889	-	0.2	20	92	0
beta-BHC	50	52.736	-	-5.5	20	93	0
delta-BHC	50	52.363	-	-4.7	20	98	0
Heptachlor	50	55.368	-	-10.7	20	98	0
Aldrin	50	52.612	-	-5.2	20	94	0
Alachlor	50	44.119	-	11.8	20	87	0
Chlorpyrifos	50	58.585	-	-17.2	20	89	0
Heptachlor Epoxide	50	36.11	-	27.8*	20	65	0
gamma-Chlordane (trans)	50	52.207	-	-4.4	20	95	0
alpha-Chlordane (cis)	50	53.372	-	-6.7	20	96	0
4,4'-DDE	50	57.089	-	-14.2	20	103	0
Endosulfan I	50	57.536	-	-15.1	20	101	0
Dieldrin	50	57.517	-	-15	20	102	0
Endrin	50	56.528	-	-13.1	20	100	0
4,4'-DDD	50	57.517	-	-15	20	102	0
Endosulfan II	50	55.525	-	-11	20	97	0
4,4'-DDT	50	47.399	-	5.2	20	85	0
Endrin Aldehyde	50	54.984	-	-10	20	95	0
Methoxychlor	50	67.493	-	-35*	20	112	0
Mirex	50	56.746	-	-13.5	20	91	0
Endosulfan Sulfate	50	55.45	-	-10.9	20	99	0
Endrin Ketone	50	59.77	-	-19.5	20	104	0
Decachlorobiphenyl	50	30.354	-	39.3*	20	60	0

* Value outside of QC limits.

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-01	Date Collected	: 09/14/20 10:30
Client ID	: MW-3A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/18/20 17:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: AM
Lab File ID	: WG1411494.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/18/20

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.0508	0.0100	0.00327	
7440-36-0	Antimony, Total	0.00092	0.00400	0.00042	J
7440-38-2	Arsenic, Total	0.00072	0.00050	0.00016	
7440-39-3	Barium, Total	0.1376	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	0.00006	0.00020	0.00005	J
7440-70-2	Calcium, Total	96.6	0.100	0.0394	
7440-47-3	Chromium, Total	0.00037	0.00100	0.00017	J
7440-48-4	Cobalt, Total	0.00044	0.00050	0.00016	J
7440-50-8	Copper, Total	0.00146	0.00100	0.00038	
7439-89-6	Iron, Total	0.0973	0.0700	0.0191	
7439-92-1	Lead, Total	0.00416	0.00100	0.00034	
7439-95-4	Magnesium, Total	27.1	0.0700	0.0242	
7439-96-5	Manganese, Total	0.08681	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00115	0.00200	0.00055	J
7440-09-7	Potassium, Total	13.3	0.100	0.0309	
7782-49-2	Selenium, Total	0.0126	0.00500	0.00173	
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	13.6	0.100	0.0293	
7440-28-0	Thallium, Total	0.00027	0.00100	0.00014	J
7440-62-2	Vanadium, Total	0.00177	0.00500	0.00157	J
7440-66-6	Zinc, Total	0.00932	0.01000	0.00341	J

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-02	Date Collected	: 09/14/20 13:22
Client ID	: MW-5	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/18/20 18:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: AM
Lab File ID	: WG1411494.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/18/20

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.0502	0.0100	0.00327	
7440-36-0	Antimony, Total	0.00172	0.00400	0.00042	J
7440-38-2	Arsenic, Total	0.00071	0.00050	0.00016	
7440-39-3	Barium, Total	0.2400	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	106.	0.100	0.0394	
7440-47-3	Chromium, Total	0.00050	0.00100	0.00017	J
7440-48-4	Cobalt, Total	0.00027	0.00050	0.00016	J
7440-50-8	Copper, Total	0.00178	0.00100	0.00038	
7439-89-6	Iron, Total	0.0559	0.0700	0.0191	J
7439-92-1	Lead, Total	0.00044	0.00100	0.00034	J
7439-95-4	Magnesium, Total	9.68	0.0700	0.0242	
7439-96-5	Manganese, Total	0.1209	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00105	0.00200	0.00055	J
7440-09-7	Potassium, Total	5.32	0.100	0.0309	
7782-49-2	Selenium, Total	0.00673	0.00500	0.00173	
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	8.85	0.100	0.0293	
7440-28-0	Thallium, Total	0.00019	0.00100	0.00014	J
7440-62-2	Vanadium, Total	0.00189	0.00500	0.00157	J
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-03	Date Collected	: 09/14/20 13:30
Client ID	: 20200914-DUP	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/18/20 18:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: AM
Lab File ID	: WG1411494.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/18/20

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.0453	0.0100	0.00327	
7440-36-0	Antimony, Total	0.00176	0.00400	0.00042	J
7440-38-2	Arsenic, Total	0.00065	0.00050	0.00016	
7440-39-3	Barium, Total	0.2556	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	104.	0.100	0.0394	
7440-47-3	Chromium, Total	0.00047	0.00100	0.00017	J
7440-48-4	Cobalt, Total	0.00029	0.00050	0.00016	J
7440-50-8	Copper, Total	0.00172	0.00100	0.00038	
7439-89-6	Iron, Total	0.0521	0.0700	0.0191	J
7439-92-1	Lead, Total	0.00042	0.00100	0.00034	J
7439-95-4	Magnesium, Total	9.13	0.0700	0.0242	
7439-96-5	Manganese, Total	0.1240	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00091	0.00200	0.00055	J
7440-09-7	Potassium, Total	5.32	0.100	0.0309	
7782-49-2	Selenium, Total	0.00679	0.00500	0.00173	
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	8.49	0.100	0.0293	
7440-28-0	Thallium, Total	0.00015	0.00100	0.00014	J
7440-62-2	Vanadium, Total	0.00170	0.00500	0.00157	J
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-04	Date Collected	: 09/14/20 18:35
Client ID	: MW-2A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/18/20 18:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: AM
Lab File ID	: WG1411494.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/18/20

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.535	0.0100	0.00327	
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	0.00215	0.00050	0.00016	
7440-39-3	Barium, Total	0.09278	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	208.	0.100	0.0394	
7440-47-3	Chromium, Total	0.00160	0.00100	0.00017	
7440-48-4	Cobalt, Total	0.00107	0.00050	0.00016	
7440-50-8	Copper, Total	0.00285	0.00100	0.00038	
7439-89-6	Iron, Total	1.05	0.0700	0.0191	
7439-92-1	Lead, Total	0.00870	0.00100	0.00034	
7439-95-4	Magnesium, Total	5.96	0.0700	0.0242	
7439-96-5	Manganese, Total	0.6295	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00247	0.00200	0.00055	
7440-09-7	Potassium, Total	6.24	0.100	0.0309	
7782-49-2	Selenium, Total	0.00293	0.00500	0.00173	J
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	7.96	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	0.00268	0.00500	0.00157	J
7440-66-6	Zinc, Total	0.00607	0.01000	0.00341	J

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-05	Date Collected	: 09/14/20 16:57
Client ID	: MW-1A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/18/20 18:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: AM
Lab File ID	: WG1411494.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/18/20

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.540	0.0100	0.00327	
7440-36-0	Antimony, Total	0.00195	0.00400	0.00042	J
7440-38-2	Arsenic, Total	0.00271	0.00050	0.00016	
7440-39-3	Barium, Total	0.1096	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	0.00014	0.00020	0.00005	J
7440-70-2	Calcium, Total	458.	0.100	0.0394	
7440-47-3	Chromium, Total	0.00125	0.00100	0.00017	
7440-48-4	Cobalt, Total	0.00089	0.00050	0.00016	
7440-50-8	Copper, Total	0.00453	0.00100	0.00038	
7439-89-6	Iron, Total	0.962	0.0700	0.0191	
7439-92-1	Lead, Total	0.02934	0.00100	0.00034	
7439-95-4	Magnesium, Total	18.4	0.0700	0.0242	
7439-96-5	Manganese, Total	0.3099	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00258	0.00200	0.00055	
7440-09-7	Potassium, Total	16.7	0.100	0.0309	
7782-49-2	Selenium, Total	0.0258	0.00500	0.00173	
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	56.1	0.100	0.0293	
7440-28-0	Thallium, Total	0.00015	0.00100	0.00014	J
7440-62-2	Vanadium, Total	0.00272	0.00500	0.00157	J
7440-66-6	Zinc, Total	0.01248	0.01000	0.00341	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-06	Date Collected	: 09/14/20 17:30
Client ID	: MW-4A	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/18/20 18:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: AM
Lab File ID	: WG1411494.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/18/20

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.776	0.0100	0.00327	
7440-36-0	Antimony, Total	0.00054	0.00400	0.00042	J
7440-38-2	Arsenic, Total	0.00326	0.00050	0.00016	
7440-39-3	Barium, Total	0.04937	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	176.	0.100	0.0394	
7440-47-3	Chromium, Total	0.00127	0.00100	0.00017	
7440-48-4	Cobalt, Total	0.00060	0.00050	0.00016	
7440-50-8	Copper, Total	0.00190	0.00100	0.00038	
7439-89-6	Iron, Total	0.761	0.0700	0.0191	
7439-92-1	Lead, Total	0.00366	0.00100	0.00034	
7439-95-4	Magnesium, Total	0.490	0.0700	0.0242	
7439-96-5	Manganese, Total	0.00927	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00502	0.00200	0.00055	
7440-09-7	Potassium, Total	83.6	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	169.	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	0.00422	0.00500	0.00157	J
7440-66-6	Zinc, Total	0.02043	0.01000	0.00341	

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: L2038282-08	Date Collected	: 09/14/20 19:00
Client ID	: 20200914-EQUIPMENT BLANK	Date Received	: 09/15/20
Sample Location	: BROOKLYN, NY	Date Analyzed	: 09/18/20 18:24
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: AM
Lab File ID	: WG1411494.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/18/20

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	0.0100	0.00327	U
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U
7440-39-3	Barium, Total	ND	0.00050	0.00017	U
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	ND	0.100	0.0394	U
7440-47-3	Chromium, Total	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	ND	0.0700	0.0191	U
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	ND	0.0700	0.0242	U
7439-96-5	Manganese, Total	ND	0.00100	0.00044	U
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	ND	0.100	0.0309	U
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	ND	0.100	0.0293	U
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

Form 1
METALS

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L2038282
Project Name	: 100 UNION AVE	Project Number	: 12.0076932.00
Lab ID	: WG1411342-1	Date Collected	: NA
Client ID	: WG1411342-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/18/20 16:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: AM
Lab File ID	: WG1411494.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/18/20

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	0.0100	0.00327	U
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U
7440-39-3	Barium, Total	ND	0.00050	0.00017	U
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	ND	0.100	0.0394	U
7440-47-3	Chromium, Total	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	ND	0.0700	0.0191	U
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	ND	0.0700	0.0242	U
7439-96-5	Manganese, Total	ND	0.00100	0.00044	U
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	ND	0.100	0.0309	U
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	ND	0.100	0.0293	U
7440-28-0	Thallium, Total	0.00015	0.00100	0.00014	J
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

Form 3
Blanks

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Instrument ID	: ICPMSQ		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1351332-2		R1351332-5		R1351332-7		R1351332-9		WG1411342-1	
Date Analyzed :	09/18/20 08:15		09/18/20 08:40		09/18/20 09:44		09/18/20 10:43		09/18/20 16:56	
Parameter	ug/l	Q	ug/l	Q	ug/l	Q	ug/l	Q	mg/l	Q
Aluminum	3.27	U	3.27	U	3.27	U	3.27	U	0.00327	U
Antimony	0.429	U	0.429	U	0.429	U	0.429	U	0.00042	U
Arsenic	0.165	U	0.165	U	0.165	U	0.165	U	0.00016	U
Barium	0.173	U	0.173	U	0.173	U	0.173	U	0.00017	U
Beryllium	0.107	U	0.107	U	0.107	U	0.107	U	0.00010	U
Cadmium	0.0599	U	0.0599	U	0.0599	U	0.0599	U	0.00005	U
Calcium	39.4	U	39.4	U	39.4	U	39.4	U	0.0394	U
Chromium	0.178	U	0.178	U	0.178	U	0.178	U	0.00017	U
Cobalt	0.163	U	0.163	U	0.163	U	0.163	U	0.00016	U
Copper	0.384	U	0.384	U	0.384	U	0.384	U	0.00038	U
Iron	52.9		54.8		51.4		59.2		0.0191	U
Lead	0.343	U	0.343	U	0.343	U	0.343	U	0.00034	U
Magnesium	24.2	U	24.2	U	24.2	U	24.2	U	0.0242	U
Manganese	0.440	U	0.440	U	0.440	U	0.440	U	0.00044	U
Nickel	0.556	U	0.556	U	0.556	U	0.556	U	0.00055	U
Potassium	30.9	U	30.9	U	30.9	U	30.9	U	0.0309	U
Selenium	1.73	U	1.73	U	1.73	U	1.73	U	0.00173	U
Silver	0.163	U	0.163	U	0.163	U	0.163	U	0.00016	U
Sodium	29.3	U	29.3	U	29.3	U	29.3	U	0.0293	U
Thallium	0.987		0.955		0.301	J	0.894		0.00015	J
Vanadium	1.57	U	1.57	U	1.57	U	1.57	U	0.00157	U
Zinc	3.41	U	3.41	U	3.41	U	3.41	U	0.00341	U

Form 3
Blanks

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Instrument ID	: ICPMSQ		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1351332-18		R1351332-20		R1351332-22			
Date Analyzed :			09/18/20 15:40		09/18/20 16:46		09/18/20 17:50			
Parameter	**ug/l**	**Q**	**ug/l**	**Q**	**ug/l**	**Q**	**ug/l**	**Q**		**Q**
Aluminum			3.27	U	3.27	U	3.27	U		
Antimony			0.429	U	0.429	U	0.429	U		
Arsenic			0.165	U	0.165	U	0.165	U		
Barium			0.173	U	0.173	U	0.173	U		
Beryllium			0.107	U	0.107	U	0.107	U		
Cadmium			0.0599	U	0.0599	U	0.0599	U		
Calcium			39.4	U	39.4	U	39.4	U		
Chromium			0.178	U	0.178	U	0.178	U		
Cobalt			0.163	U	0.163	U	0.163	U		
Copper			0.384	U	0.384	U	0.384	U		
Iron			32.2	J	22.7	J	19.1	U		
Lead			0.343	U	0.343	U	0.343	U		
Magnesium			24.2	U	24.2	U	24.2	U		
Manganese			0.440	U	0.440	U	0.440	U		
Nickel			0.556	U	0.556	U	0.556	U		
Potassium			30.9	U	30.9	U	30.9	U		
Selenium			1.73	U	1.73	U	1.73	U		
Silver			0.163	U	0.163	U	0.163	U		
Sodium			29.3	U	29.3	U	29.3	U		
Thallium			0.282	J	0.325	J	0.302	J		
Vanadium			1.57	U	1.57	U	1.57	U		
Zinc			3.41	U	3.41	U	3.41	U		

Form 3
Blanks

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L2038282
Project Name	: 100 UNION AVE	**Project Number**	: 12.0076932.00
Instrument ID	: ICPMSQ		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1351332-24							
Date Analyzed :			09/18/20 18:50							
Parameter	ug/l	Q	ug/l	Q	ug/l	Q	ug/l	Q		Q
Aluminum			3.27	U						
Antimony			0.429	U						
Arsenic			0.165	U						
Barium			0.173	U						
Beryllium			0.107	U						
Cadmium			0.0599	U						
Calcium			39.4	U						
Chromium			0.178	U						
Cobalt			0.163	U						
Copper			0.384	U						
Iron			41.0	J						
Lead			0.343	U						
Magnesium			24.2	U						
Manganese			0.440	U						
Nickel			0.556	U						
Potassium			30.9	U						
Selenium			1.73	U						
Silver			0.163	U						
Sodium			29.3	U						
Thallium			0.198	J						
Vanadium			1.57	U						
Zinc			3.41	U						

Analysis log File

Total Files Reported in Log : 30
Log Generated From Directory: I:\8270SIM\sv119\2020\200920LVI\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	deg0920.D	DFTPPRUN.M	wg1412232-2,32,,dftppsv	wg1412232,,ical17132	9/20/2020 9:55 am
2	ccv0920.D	SIM-LVI-fast	wg1412232-3,32,,ccv	wg1412232,,ical17132	9/20/2020 10:14 am
3	blk0920.D	SIM-LVI-fast			9/20/2020 10:34 am
4	411853-1.D	SIM-LVI-fast	wg1411853-1,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 10:55 am
5	411853-2.D	SIM-LVI-fast	wg1411853-2,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 11:15 am
6	411853-3.D	SIM-LVI-fast	wg1411853-3,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 11:36 am
7	38282-01.D	SIM-LVI-fast	l2038282-01,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 11:56 am
8	38282-02.D	SIM-LVI-fast	l2038282-02,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 12:16 pm
9	38282-03.D	SIM-LVI-fast	l2038282-03,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 12:36 pm
10	38282-04.D	SIM-LVI-fast	l2038282-04,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 12:57 pm
11	38282-05.D	SIM-LVI-fast	l2038282-05,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 1:17 pm
12	38282-06.D	SIM-LVI-fast	l2038282-06,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 1:37 pm
13	38282-08.D	SIM-LVI-fast	l2038282-08,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 1:57 pm
14	38327-01.D	SIM-LVI-fast	l2038327-01,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 2:18 pm
15	38327-02.D	SIM-LVI-fast	l2038327-02,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 2:38 pm
16	38327-03.D	SIM-LVI-fast	l2038327-03,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 2:58 pm
17	38327-04.D	SIM-LVI-fast	l2038327-04,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 3:18 pm
18	38327-05.D	SIM-LVI-fast	l2038327-05,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 3:38 pm
19	38327-06.D	SIM-LVI-fast	l2038327-06,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 3:59 pm
20	38395-02.D	SIM-LVI-fast	l2038395-02,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 4:19 pm
21	38423-04.D	SIM-LVI-fast	l2038423-04,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 4:39 pm
22	38501-01.D	SIM-LVI-fast	l2038501-01,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 4:59 pm
23	38501-02.D	SIM-LVI-fast	l2038501-02,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 5:19 pm
24	38501-03.D	SIM-LVI-fast	l2038501-03,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 5:40 pm
25	38501-04.D	SIM-LVI-fast	l2038501-04,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 6:00 pm
26	38501-06.D	SIM-LVI-fast	l2038501-06,32,,nytcl,j	wg1412232,wg1411853,..	9/20/2020 6:21 pm
27	412187-2.D	SIM-LVI-fast	wg1412187-2,32,,pa,jjw	wg1412232,wg1412187,..	9/20/2020 6:41 pm
28	412187-3.D	SIM-LVI-fast	wg1412187-3,32,,pa,jjw	wg1412232,wg1412187,..	9/20/2020 7:01 pm
29	412187-1.D	SIM-LVI-fast	wg1412187-1,32,,pa,jjw	wg1412232,wg1412187,..	9/20/2020 7:21 pm
30	38715-01.D	SIM-LVI-fast	l2038715-01,32,,pa,jjw	wg1412232,wg1412187,..	9/20/2020 7:41 pm

SeqLog 1.0 - (c) 2009 Abacus Database Applications

APPENDIX F – EED CONFIRMATION EMAIL

Michael Bastidas

From: Meredith Hayes
Sent: Monday, December 14, 2020 11:44 AM
To: Michael Bastidas
Subject: FW: NYSDEC BCP C244274 100 Union Avenue Brooklyn EDD Submittal

FYI on below.

Please file in the project folder.

Meredith K. Hayes
Senior Project Manager | Sediment Practice Director

GZA | 55 Lane Road | Fairfield, New Jersey 07004
o: 973.774.3332 | c: 631.682.0632 | f: 973.774.3350 |
meredith.hayes@gza.com | www.gza.com | LinkedIn

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From: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Sent: Saturday, December 12, 2020 11:22 PM
To: Lindsay Nunes <Lindsay.Nunes@gza.com>
Cc: Meredith Hayes <Meredith.Hayes@gza.com>; Treiber, Aaron D (DEC) <aaron.treiber@dec.ny.gov>
Subject: RE: NYSDEC BCP C244274 100 Union Avenue Brooklyn EDD Submittal

Lindsay,

Thank you for your EDD submission. NYSDEC has successfully uploaded the data from the following EDDs:

- 20201015 1607.C224274.NYSDEC_MERGE
- 20201016 1035.C224274.NYSDEC_MERGE
- 20201016 1048.C224274.NYSDEC_MERGE

to the 100 Union Avenue facility (#835013) in the NYSDEC database and the data is available for use within the system.

Thank you,

Amelia
NYSDEC EIMS Team

From: Lindsay Nunes <Lindsay.Nunes@gza.com>
Sent: Friday, October 16, 2020 8:31 AM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: Meredith Hayes <Meredith.Hayes@gza.com>
Subject: NYSDEC BCP C244274 100 Union Avenue Brooklyn EDD Submittal

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Good Morning,

Please see the attached EDDs for entry into the NYSDEC EIMS for BCP Site #C244274.

Thank you,

Lindsay

Lindsay Nunes, PG (NY)
Technical Specialist
GZA | 55 Lane Road, Suite 407 | Fairfield, NJ 07004
o: 973.774.3331 | c: 201-396-9947 | Lindsay.Nunes@gza.com | www.gza.com

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For information about GZA GeoEnvironmental, Inc. and its services, please visit our website at www.gza.com.

From:	Meredith Hayes
To:	Bollers, Shaun (DEC)
Cc:	Yau, Mandy (DEC); Michael Bastidas; Lindsay Nunes
Subject:	RE: NYSDEC BCP C244274 100 Union Avenue Brooklyn EDD Submittal (actually C224274)
Date:	Monday, October 19, 2020 12:51:46 PM
Attachments:	image005.png image006.png image010.png image011.png image001.png

Thanks Shaun. Seems that typo has existed since we took on this project – we must have made it early on and it was carried through. I will make sure our documentation is corrected going forward.

Meredith K. Hayes
Senior Project Manager | Sediment Practice Director

GZA | 55 Lane Road | Fairfield, New Jersey 07004
o: 973.774.3332 | c: 631.682.0632 | f: 973.774.3350 |
meredith.hayes@gza.com | www.gza.com | LinkedIn

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From: Bollers, Shaun (DEC) <shaun.bollers@dec.ny.gov>
Sent: Monday, October 19, 2020 12:47 PM
To: Lindsay Nunes <Lindsay.Nunes@gza.com>; Meredith Hayes <Meredith.Hayes@gza.com>
Cc: Yau, Mandy (DEC) <Mandy.Yau@dec.ny.gov>
Subject: RE: NYSDEC BCP C244274 100 Union Avenue Brooklyn EDD Submittal (actually C224274)

Meredith:
I have never noticed that your emails and other correspondence had the site number as C244274. The correct number is C224274 (the 224 designates the borough , Brooklyn in this case. There is no 244).

I apologize. I should have picked up on that.

Shaun

Shaun Bollers
Assistant Environmental Engineer, Division of Environmental Remediation
New York State Department of Environmental Conservation
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4096 | F: (718) 482-6358 | shaun.bollers@dec.ny.gov

www.dec.ny.gov |

APPENDIX G – WASTE MANIFESTS

Straight Bill of Lading

D69139

Please type or print

ACV ENVIRO

1. Generator EPA ID # (if applicable)	2. Page 1 of	3. Emergency Response #	4. Document Tracking Number
VSQG	1	908-354-0210	ACV 084363

Generator

5. Generator Name and Mailing Address

100 UNION HOLDING LLC
545 BROADWAY 4TH FLOOR
BROOKLYN, NY 11206

Generator Phone: 732-969-2700

Generator's Site Address (if different)

100 Union Avenue
Brooklyn, NY 11206

ACV Job Number:

6. Transporter 1 Company Name: ACV ENVIRONMENTAL SERVICES, INC
US EPA ID Number (if applicable): NJD003812047

7. Transporter 2 Company Name
US EPA ID Number (if applicable)

8. Designated Facility Name and Mailing Address

CYCLE CHEM, INC.
217 SOUTH FIRST STREET
ELIZABETH, NJ 07206

US EPA ID Number (if applicable): NJD002200046

8. Designated Facility Phone: 908-355-5800

9a. HM	9b. Material Description (Proper shipping name required if DOT Hazardous Material)	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit (Wt/Vol)	13. Waste Codes
	1. NON DOT NON RCRA MATERIAL	001	DM	00200	P	27
	2. NON DOT NON RCRA MATERIAL	001	DM	00250	P	72
	3.					
	4.					

14. Special Handling Instructions and Additional Information

~~D68842~~ SO 70961 SFSO#
D69139
1)Profile#134804 DRILL CUTTING SOIL 2)Profile#134809 WELL PURGE WATER

16. Generator/Offeror's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded and are in all respects proper condition for transport according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Month	Day	Year
Esty Kohn	EK	12	10	20

Transporter

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		12	24	20

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

Facility

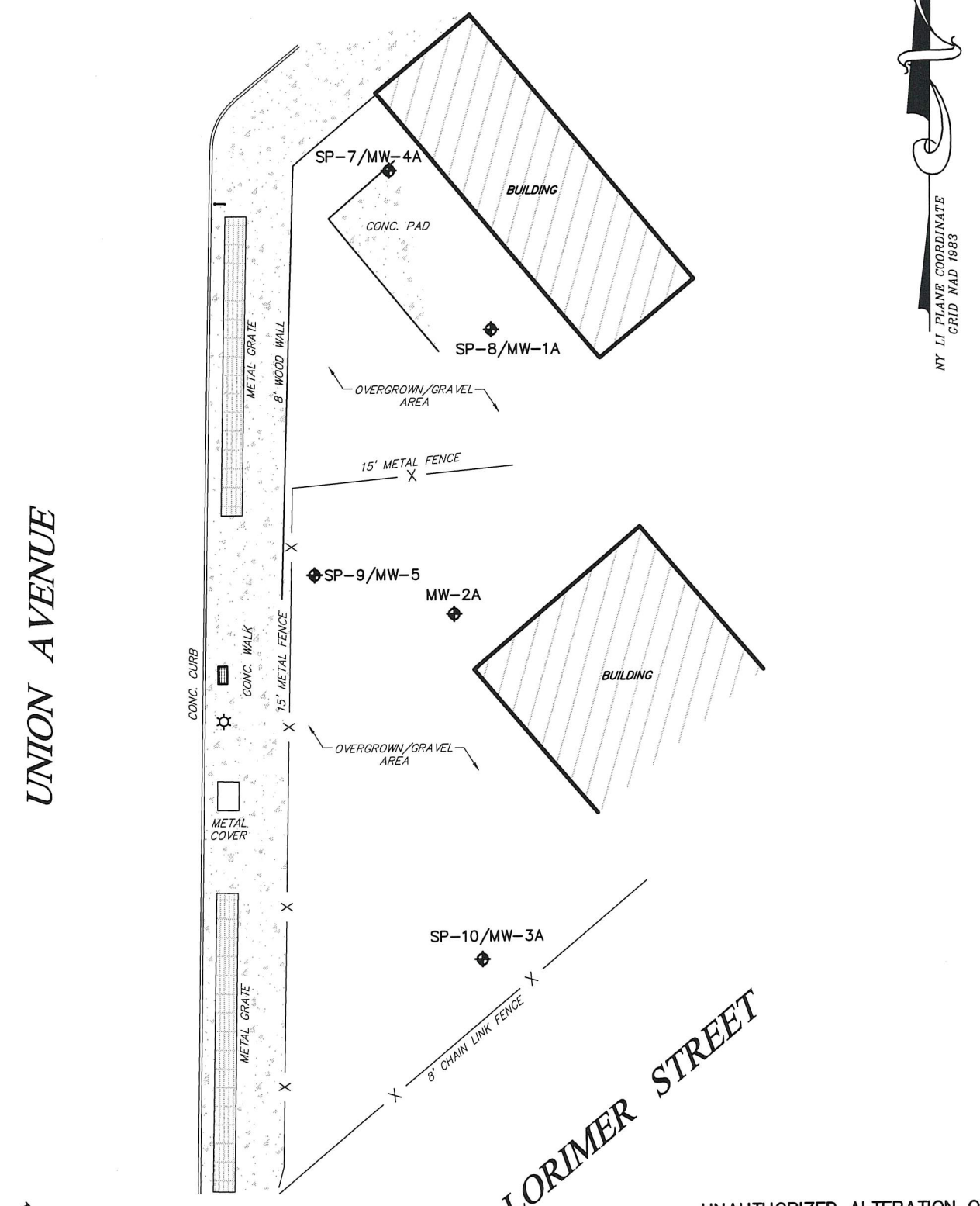
19. Discrepancy Indication Space (to be completed by Designated Facility)

20. Discrepancy Facility: Certification of receipt of the materials covered by this shipping paper except as noted in item 19

Printed/Typed Name	Signature	Month	Day	Year
Corlano	J Corlano	12	24	20

APPENDIX H – MONITORING WELL SURVEY

MONITORING WELLS	GROUND	RIM	PVC
MW-2A	14.40	14.53	14.24
SP7/MW-4A	15.46	15.46	15.18
SP8/MW1A	14.77	14.94	14.27
SP9/MW-5	14.46	14.64	14.43
SP10/MW-3A	14.61	14.76	14.32



GRAPHIC SCALE

30 0 15 30

(IN FEET)

1 inch = 30 ft.

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

NOTES:

1. FIELD WORK PERFORMED ON SEPTEMBER 23, 2020.
2. ELEVATION DATUM NAVD 1988 DERIVED USING RTK GPS RECEIVERS AND KEYNET. CORS STATION: NYBR BROOKLYN PIER ELEV=42.12' (NAVD 1988 GEOID 12A)

DPK LAND SURVEYING

DPK LAND SURVEYING, LLC
220 OLD NEW BRUNSWICK RD-STE. 201, PISCATAWAY, NJ 08854
P:732-764-0100 F: 732-764-0990
NEW YORK CERTIFICATE OF AUTHORIZATION NO. 0012585

James J. Heiser
Professional Land Surveyor
N.J. Lic: 24GS04331100 N.Y. Lic: 050932-1 PA. LIC: SU075616 C.T. LIC: 70476
JHEISER@DPKCONSULTING.NET

9/30/2020
date

MONITORING WELL LOCATION MAP

FOR:

GZA GEOENVIRONMENTAL OF NEW YORK

SITE:

100 UNION AVENUE
BROOKLYN, NEW YORK

Scale	Dr.	Chk.	Date	
1"=30'	B.D.B.	J.J.H.	9/30/2020	
Job No.: 20-8930		Drawing File: 20-8930MW00		

DPK Land Surveying, LLC
220 Old New Brunswick Road Suite-201 Piscataway, New Jersey 08854
Telephone: 732.764.0100 Fax: 732.764.0990 Email: JHeiser@dpkconsulting.net

For: GZA GEOENVIRONMENTAL OF NEW YORK
Site: 100 UNION AVENUE BROOKLYN, NEW YORK

Date of Survey: September 23, 2020
Project #20-8930 September 30, 2020
Horizontal Datum: NY LI PLANE COORDINATE GRID NAD 83
Vertical Datum: NAVD 88
BENCHMARK: NYBR BROOKLYN PIER CORS ARP ELEV=42.12' (NAVD 1988 GEOID 12A)
Additional information:

	ELEVATIONS			COORDINATES			
MONITORING WELLS	GROUND	RIM	PVC	NORTHING	EASTING	LATITUDE (N)	LONGITUDE (W)
MW-2A	14.40	14.53	14.24	195502.16	998121.74	40°42'11.79"	73°56'59.89"
SP7/MW-4A	15.46	15.46	15.18	195590.99	998108.94	40°42'12.66"	73°57'00.06"
SP8/MW1A	14.77	14.94	14.27	195559.23	998129.38	40°42'12.35"	73°56'59.79"
SP9/MW-5	14.46	14.64	14.43	195510.17	998093.71	40°42'11.87"	73°57'00.26"
SP10/MW-3A	14.61	14.76	14.32	195432.93	998126.95	40°42'11.10"	73°56'59.82"

APPENDIX I – PREVIOUS REMEDIAL INVESTIGATION REPORT

100 UNION AVENUE

BROOKLYN, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 16CVCP018K

OER Project Number: 14EH-A461K

Prepared for:

Slate Property Group

850 Third Avenue, Suite 16-B, New York, NY

david@slatepg.com

Prepared by:

Hydro Tech Environmental, Corp.

15 Ocean Avenue, 2nd Floor

Brooklyn, New York 11225

Phone: (718) 636-0800

June 2014

REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
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, Mark E. Robbins, 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 100 Union Avenue Site, (NYC VCP Site No. 16CVCP018K). 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.

Mark E. Robbins

Qualified Environmental Professional

11/18/15

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 100 Union Avenue in the Broadway Triangle section of Brooklyn, New York and is identified as Block 2242 and Lot 3 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 10,566-square feet and is bounded by Middleton Street to the north, a vacant undeveloped lot to the south, Union Avenue to the west and a parking lot and a multi-story residential building to the east. A map of the site boundary is shown in Figure 2. Currently, the Site is occupied by Knights Collision and Towing and is developed with a 1-story building used for tow truck repairs in the northern portion and the remaining portion consists of an auto salvage yard.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 7-story residential building. The proposed building footprint will be 7,106 square feet. The remaining area of the Site in the eastern portion will consist of an open area and will be utilized as a paved rear parking lot. The current zoning designation is R6A with a commercial overlay of C2-4. The proposed use is consistent with existing zoning for the property. No basement is associated with the structure, thus the only significant excavations are for a detention tank with a total depth of 8-feet below grade and an elevator pit with a total depth of 9-feet below grade.

Summary of Past Uses of Site and Areas of Concern

Based upon the review of the Fire Insurance Maps and Regulatory Agency documents from the Phase I Environmental Site Assessment (ESA) Reports prepared by Hydro Tech Environmental Corp. in January 2014 a Site history was established. The Site was occupied by a church and residential dwellings between 1887 and 1935. The Site became vacant and undeveloped in 1950. The Site was utilized for auto sales with a one story building in the

northern portion between 1965 and 1991 and an auto repair shop and junkyard from 1992 until present.

The AOCs identified for this site include:

- The historical use of the property of auto repairs and an auto junk yard;
- The presence of a NYC Little “E” Designation for Hazmat and Air;
- The historical presence of underground storage tanks;
- The suspect presence of underground storage tanks; and
- The presence of an oil-water separator

Summary of the Work Performed under the Remedial Investigation

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performed a Ground Penetrating Radar (GPR) survey over all accessible portions (approximately 60%) of the Site;
3. Installed six (6) soil borings across the entire project Site, and collected twelve (12) soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed four (4) groundwater monitoring wells throughout the Site to establish groundwater flow and collected four (4) groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed four (4) soil vapor probes around Site perimeter and collected four (4) samples for chemical analysis.
6. One (1) outdoor air sample was collected for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property is 16 feet.
2. No anomalies indicative of USTs were identified during the GRP survey
3. Depth to groundwater ranges from 6.82 feet to 9.74 feet at the Site.

4. Groundwater flow is generally from north-northeast to south-southwest beneath the Site.

5. The stratigraphy of the site, from the surface down, consists of historic fill with variable thickness ranging between zero and 8 feet (brown coarse grained sand with varying amounts of bricks and pebbles). Boring logs describing surface conditions are presented in Appendix D.

6. Twelve soil/fill samples collected during the remedial investigation were compared to 6NYCRR Part 375-6.8 Track 1 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Track 2 Restricted Residential Use SCOs. VOCs including Methylene chloride (0.0025 ppm), tetrachloroethylene (PCE) (max. 0.05 ppm), trichloroethylene (TCE) (0.00054 ppm) and cis-1,2-dichloroethylene (cis-1,2-DCE) (0.0098 ppm) were detected at concentrations below Track 1 Unrestricted Use SCOs (SCOs). SVOCs including benzo(a)anthracene (max. of 7.47 mg/Kg), benzo(a)pyrene (max. of 5.16 mg/Kg), benzo(b)fluoranthene (max. of 5.70 mg/Kg), benzo-(k)fluoranthene (max. of 5.07 mg/Kg), chrysene (max. of 5.66 mg/Kg), dibenzo(a,h)anthracene (max of 0.95 mg/kg) and indeno(1,2,3-cd)pyrene (max. of 2.20 mg/Kg) were detected exceeding Track 2 Restricted Residential SCOs (RSCOs). Metals including arsenic (max. 25.8 ppm), barium (max. 468 ppm), cadmium (max. 11.8 ppm), copper (max. 188 ppm), lead (max. 900 ppm) and zinc (max. 234 ppm) were detected at concentrations above Track 1 Urestricted Use SCOs. Among these, arsenic, barium, cadmium and lead also exceeded the Track 2 Restricted Residential SCOs. Pesticides and PCBs were detected at trace levels below Track 1 Unrestricted Use SCOs.
7. Four groundwater samples collected were compared to 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). Chlorinated VOCs including methylene chloride (11 µg/L) and PCE (19 µg/L) were detected at concentrations exceeding New York State 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). No Pesticides or PCBs occurred in the groundwater samples. The SVOC bis(2-ethylhexyl)phthalate (50.10 µg/L) was detected at a concentration exceeding its GQS. Metals including magnesium, manganese, selenium and sodium, were detected in filtered groundwater samples at concentrations exceeding GQS.

8. Soil vapor samples collected during the RI were compared to the compounds listed in Matrices 1 and 2 in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion. VOCs including benzene, toluene ethylbenzene and xylenes (BTEX) were found in all soil vapor samples at concentrations ranging between 10.63 $\mu g/m^3$ and 346.6 $\mu g/m^3$. The BTEX compounds were not identified in soil or groundwater on the property. Greatest concentrations of PCE are present beneath the northern portion of the Site (max. 920 $\mu g/m^3$) in SV-1 and SV-2, TCE (max. of 47 $\mu g/m^3$), 1,1,1-Trichloroethane (1,1,1- TCA) (max. of 12 $\mu g/m^3$) and methylene chloride (max. of 14 $\mu g/m^3$). PCE and TCE concentrations in soil vapors exceed NYSDOH guidance value for Evaluating Soil Vapor Intrusion dated October 2006. PCE is present in the outdoor air sample at a concentration of 1.7 $\mu g/m^3$. BTEX and associated compounds were also detected in the outdoor air sample, at a concentration of 5.1 $\mu g/m^3$.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Slate Property Group has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.24-acre site located at 100 Union Avenue in the Broadway Triangle section of Brooklyn, New York. Residential use is proposed for the property. The RI work was performed between April 16 and April 21, 2014. 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 100 Union Avenue in the Broadway Triangle section of Brooklyn, New York and is identified as Block 2242 and Lot 3 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 10,566-square feet and is bounded by Middleton Street to the north, a vacant undeveloped lot to the south, Union Avenue to the west and a parking lot and a multi-story residential building to the east. A map of the site boundary is shown in Figure 2. Currently, the Site is occupied by Knights Collision and Towing and is developed with a 1-story building used for tow truck repairs in the northern portion and the remaining portion consists of an auto salvage yard.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 7-story residential building. The proposed building footprint will be 7,106 square feet. Remaining portion of the Site in the eastern portion will consist of an open area and will be utilized as a paved rear parking lot. The current zoning designation is R6A with a commercial overlay of C2-4. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

Within a 500 feet radius of the Site, there are a variety of land uses including: residential (multi-story residential apartments), commercial, parking, industrial, institutions and vacant

properties. Properties located within a 1/4-mile radius of the Site are zoned R6, R6B, R7A, R7-1 (general residential districts), C1-3, C2-1 C2-2 (general commercial districts) and M1-3 and M3-1 (light manufacturing districts). No sensitive receptor is identified within a 250 foot radius of the Site. The land uses include residential buildings, industrial uses, institutions and vacant lots.

Figure 3 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Based upon the review of the Fire Insurance Maps and Regulatory Agency documents from the Phase I Environmental Site Assessment (ESA) Reports prepared by Hydro Tech Environmental Corp. in January 2014 a Site history was established. The Site was occupied by a church and residential dwellings between 1887 and 1935. The Site became vacant and undeveloped in 1950. The Site was utilized for auto sales with a one story building in the northern portion between 1965 and 1991 and an auto repair shop and junkyard from 1992 until present.

2.2 Previous Investigations

Previous investigations performed at the Site include the following:

- Phase I Environmental Site Assessment, January 2014, Hydro Tech Environmental, Corp.

2.3 Site Inspection

Sasha Rothenberg of Hydro Tech performed the site inspection on January 15, 2014. The reconnaissance included a visual inspection of the Site. At the time of the inspection, the Site was utilized as a parking garage.

2.4 Areas of Concern

The AOCs identified for this site include:

- The historical use of the property of auto repairs and an auto junk yard;
- The presence of a NYC Little “E” Designation for Hazmat and Air;
- The historical presence of underground storage tanks;
- The suspect presence of underground storage tanks; and
- The presence of an oil-water separator

Phase I ESA 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 Mark E. Robbins.

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

The scope of work implemented by Hydro Tech included:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performed a Ground Penetrating Radar (GPR) survey over all accessible portions (approximately 60%) of the Site;
3. Installed six (6) soil borings across the entire project Site and collected twelve (12) soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed four (4) groundwater monitoring wells throughout the Site to establish groundwater flow and collected four (4) groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed four (4) soil vapor probes around Site perimeter and collected four (4) samples for chemical analysis.
6. One (1) outdoor air sample was collected for chemical analysis.

Photographs were taken during RI activities and are provided in Appendix B.

4.1 Geophysical Investigation

The survey was performed over a grid pattern that was determined immediately prior to the survey. The GPR operator wheeled the antenna over the predetermined grid. The GPR takes one "scan" per set unit. The number of scans per unit is based upon the estimated size of targets. As each scan is performed, the antenna emits specific radar amplitude into the subsurface. The amplitude of the radar reflected back to the antenna is based upon the differences in the dielectric constants of the subsurface materials. The differences in amplitude obtained during each scan are graphically displayed on the Control Unit, which are then interpreted by the GPR operator. Additional interpretations are then conducted in the office using computer software.

The GPR survey was performed successfully over 60 percent of the property due to the presence of stalled cars. No anomalies indicative of suspect USTs were identified during the GPR survey. Appendix C includes the GPR summary report.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

A total of six (6) soil probes designated SP-1 to SP-6 were installed and sampled at the Site. All soil probes were installed to 8 feet bgs utilizing Hydro Tech's fleet of Geoprobe® fitted with Geoprobe® tooling and sampling equipment. Soil samples were collected utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners. Each Macro Core was cut open and immediately screened with a Photo Ionization Detector (PID) for VOCs, prior to collecting the required samples for laboratory analysis. The soil was screened and characterized at two-foot intervals. Continuous soil samples were collected during soil probe installation.

Boring logs were prepared by a geologist are attached in Appendix D. A map showing the location of soil borings is shown in Figure 5.

Groundwater Monitoring Well Construction

Four (4) monitoring wells designated MW-1 to MW-4 were installed at the Site. All monitoring wells were installed to 18 feet bgs and were constructed of 1-inch diameter PVC. The well screens consist of 0.010-inch slots extended up 15 feet from the bottom of each well. The remaining portion of each of these wells consisted of a riser.

Monitoring wells construction logs are attached in Appendix E. Groundwater sampling log with information on purging and sampling of groundwater monitor well is included in Appendix F. A map showing the location of monitoring wells is shown in Figure 5.

Survey

Land survey was used to identify the location of all monitor wells. The elevation of all installed monitoring were surveyed relative to a permanent surface benchmark.

Water Level Measurement

One round of static water levels was obtained prior to groundwater purging and sampling from monitoring wells to determine groundwater elevation and groundwater flow direction. Groundwater head measurements were collected utilizing a Solinst® 122 Oil/Water Interface Probe (Interface Probe). The Interface Probe can measure depths to water to 0.01 inch. The

depth to water was measured in each well from the northern portion of the casing top. Water level data is included in Table 1.

Soil Vapor Boring Construction

Four (4) soil vapor probes designated SV-1 through SV-4 were installed during the remedial investigation. All soil vapor probes were installed to 6 feet bgs. The soil vapor probes were installed in accordance with the NYSDOH guidance for evaluating soil vapor intrusion dated October 2006. Each soil vapor sampling point consisted of a stainless steel screen, or implant, fitted with dedicated polyethylene tubing. Each of the implants is of 1½-inch diameter and was installed to nine feet bgs. Glass beads were poured into the hole to fully encompass the screen implant and the hole was sealed with bentonite and quick dry-lock non-VOC quick set cement. A map showing the locations of soil vapor borings is shown in Figure 5.

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

Twelve (12) soil samples were collected from the soil borings on-Site for laboratory analysis; these included six (6) shallow soil samples from zero to 2 feet bgs and six (6) soil deep soil sample from 6 to 8 feet bgs. Samples were collected utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners.

All samples were properly handled and placed into the appropriately labeled containers. One field blank sample and one trip blank were collected and submitted to the laboratory as specified in the work plan. The samples were placed in a cooler filled with ice and maintained at a maximum 4 degrees Celsius. All samples were transmitted under proper chain of custody

procedures to a State-certified (ELAP) laboratory for confirmatory laboratory analyses. All holding times were met. The laboratory did not report any irregularities with respect to their internal Quality Assurance/Quality Control.

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 2. Figure 5 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

Four (4) groundwater samples were collected for chemical analysis during this RI. Groundwater samples from groundwater probes were collected utilizing an inertial pump fitted with dedicated polyethylene tubing. Groundwater samples from monitoring wells were collected using the low stress (low flow) purging and sampling procedure. The low flow was accomplished with a Geopump peristaltic pump and the continuous flow was monitored with a Horiba U50 series flow cell until water quality readings had stabilized.

All water samples were collected in laboratory supplied jars, properly labeled with the sample number , the date and time of sampling, the analytical requirements, and then placed on ice for the duration of the sampling and transport to the laboratory. A chain of custody form was completed at the time of sampling and maintained until disposition of the samples at the laboratory.

Groundwater sample collection data is reported in Table 3. Figure 6 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Four (4) soil vapor samples and 1 outdoor air sample 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 4. Soil vapor sampling logs are included in Appendix G. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

A soil vapor sample from each vapor probe was collected utilizing 6 liter pre-cleaned, passivated, evacuated whole air Summa® Canister. In order to insure the integrity of the borehole seal and to verify that ambient air is not inadvertently drawn into the sample, a tracer gas, Helium, was used to enrich the atmosphere in the immediate vicinity of the sampling location.

Plastic sheeting was used to keep the tracer gas in contact with the soil vapor probe during the sampling while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-gas Detector). Helium Detector readings did not exceed zero ppm indicating Helium was not detected. Following verification that the surface seal was tight and prior to soil vapor sampling, approximately 0.3 ml of air was purged out of all vapor points utilizing a syringe.

One (1) outdoor air sample AO-1 was collected at the same time as the soil vapor samples utilizing 6-liter Summa Canister.

The Summa Canisters were calibrated for 2 hours and the soil vapor sampling was run on each canister for the duration of 4 hours. The initial vacuum (inches of mercury) and start time was recorded immediately after opening each Summa Canister. After the sampling was complete, the final vacuum and top time was recorded. After the soil vapor sampling, each Summa was labeled and sent to a laboratory certified to perform air analysis in New York State.

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 Mark E. Robbins
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were York Analytical Laboratories, Inc.
Chemical Analytical Methods	Soil analytical methods: SP-1 to SP-5 • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil analytical methods: SP-6 • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); Groundwater analytical methods: MW-1 to MW-3 • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: MW-4

	• VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); Soil vapor and outdoor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Table 2, 3 and 4. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendices H, I and J.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

The Site is located in the northern portion of the Borough of Brooklyn, New York. The elevation of the Subject Property is approximately 16 feet above mean sea level (USGS 7 ½-Minute Brooklyn, New York Quadrangle, 1969, Photo revised 1995).

Stratigraphy

The stratigraphy of the Site, from surface down, consists of historic fill with variable thickness ranging between zero and 8 feet (brown coarse grained sand with varying amounts of bricks and pebbles). Boring logs describing surface conditions are presented in Appendix D.

Hydrogeology

A table of water level data for all monitor wells is included in Table 1. The depth to groundwater ranges from 6.82 feet to 9.74 feet. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in Figure 6**.** Groundwater flow is from north-northeast to south-southwest.

5.2 Soil Chemistry

Soil/fill samples collected during the RI showed VOCs including Tetrachloroethylene (PCE) (max. 0.05 ppm) in SP-1, SP-2 and SP-6 and PCE derivative products such as trichloroethylene (TCE) (0.00054 ppm) and cis-1,2-dichloroethylene (cis-1,2-DCE) (0.0098 ppm) in 2 shallow and 1 deep soil samples from SP-1 and SP-2 at concentrations below Track 1 Unrestricted Use SCOs (SCOs). Methylene chloride (0.0025 ppm) was also detected in 1 shallow soil sample from SP-6 at a concentration below Track 1 Unrestricted Use SCO. SVOCs including benzo(a)anthracene (max. of 7.47 mg/Kg), benzo(a)pyrene (max. of 5.16 mg/Kg), benzo(b)fluoranthene (max. of 5.70 mg/Kg), benzo-(k)fluoranthene (max. of 5.07 mg/Kg), chrysene (max. of 5.66 mg/Kg), dibenzo(a,h)anthracene (max of 0.95 mg/kg) and indeno(1,2,3-cd)pyrene (max. of 2.20 mg/Kg) were detected exceeding Track 2 Restricted Residential SCOs (RSCOs). Metals including arsenic (max. 25.8 ppm), barium (max. 468 ppm), cadmium (max. 11.8 ppm), copper (max. 188 ppm), lead (max. 900 ppm), and zinc (max. 234 ppm), were detected at concentrations above Track 1 SCOs in all 5 shallow soils and in 4 deep soil samples. Among these, arsenic, barium, cadmium and lead also exceeded the Track 2 Residential SCOs.

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 2. Figures 7 through 9 show the location and post the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 1 and Track 2 Soil Cleanup Objectives.

5.3 Groundwater Chemistry

Groundwater samples collected during the RI showed chlorinated VOCs including methylene chloride (11 µg/L) and PCE (19 µg/L) in 1 groundwater sample from MW-4 at concentrations exceeding the New York State 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). No Pesticides or PCBs occurred in the groundwater sample collected at the Site. One SVOC Bis(2-ethylhexyl)phthalate (50.10 µg/L) was detected in 1 groundwater sample from MW-3 at a concentration exceeding its GQS. Several metals were identified in MW-1 to MW-3 and magnesium, manganese, selenium and sodium were detected above GQS.

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 Table 3. Figures 10 to 12 show 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

Soil vapor samples collected during the RI show a wide range of compounds throughout the property including benzene, toluene ethylbenzene and xylenes (BTEX) and associated derivative compounds and chlorinated hydrocarbons. BTEX were found in all soil vapor samples at concentrations ranging between 10.63 µg/m^3 and 346.6 µg/m^3. These compounds were not identified in soil or groundwater on the property. PCE was the most abundant beneath the northern portion of the Site (max. 920 µg/m^3) in SV-1 and SV-2 with concentrations of. PCE was also detected at trace concentrations (max. 1.9 µg/m^3) in SV-3 and SV-4. Other chlorinated hydrocarbons included TCE (max. of 47 µg/m^3), 1,1,1-Trichloroethane (1,1,1-TCA) (max. of 12 µg/m^3), and methylene chloride (max. of 14 µg/m^3). PCE and its degradation products were also detected in soil samples collected at the Site. PCE and TCE concentrations in soil vapors

exceeded NYSDOH guidance value for Evaluating Soil Vapor Intrusion dated October 2006. PCE occurred in the outdoor air sample at a maximum concentration of 1.7 μg/m^3. BTEX and associated compounds were also detected in the outdoor air sample at a maximum of 5.1 μg/m^3.

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 4. Figure 13 shows the location and posts the values for soil vapor samples with detected concentrations.

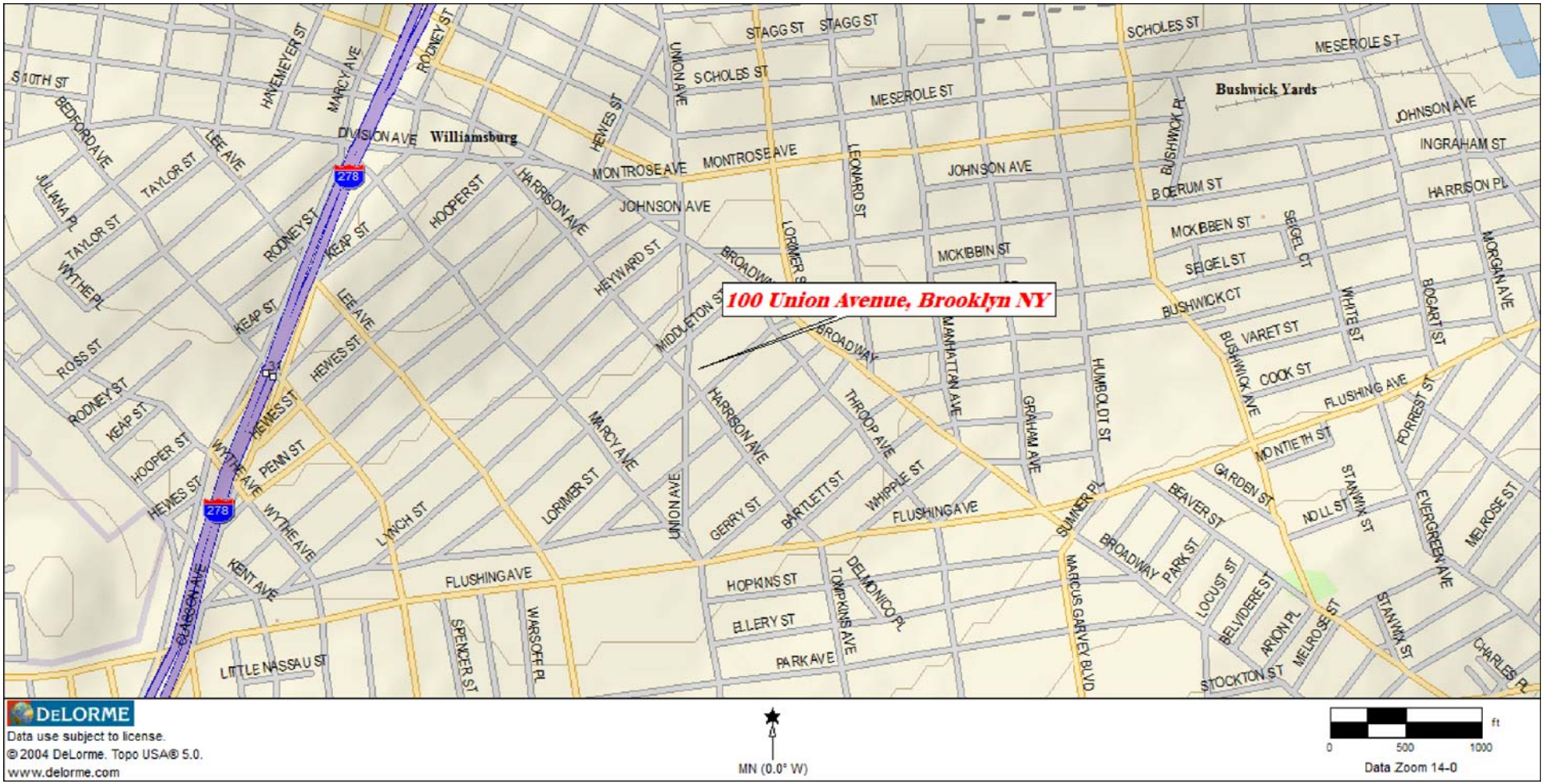
5.5 Prior Activity

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



HYDRO TECH ENVIRONMENTAL CORP.

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NYC OFFICE:
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www.hydrotechenvironmental.com

100 Union Avenue
Brooklyn, NY
HTE Job # 140006

Drawn By:	C.Q.
Reviewed By:	M.R
Approved By:	M.S
Date:	06/02/14
Scale:	AS NOTED

TITLE:

FIGURE 1: SITE LOCATION MAP



HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:
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FIGURE 2: SITE BOUNDARY MAP



Land Use

All land use categories

2003 2005 2007 2009 2013

- 1 & 2 Family Residential
- Multi-family Residential
- Mixed Use
- Open space & outdoor recreation
- Commercial
- Institutions
- Industrial
- Parking
- Transportation / Utilities
- Vacant Lots

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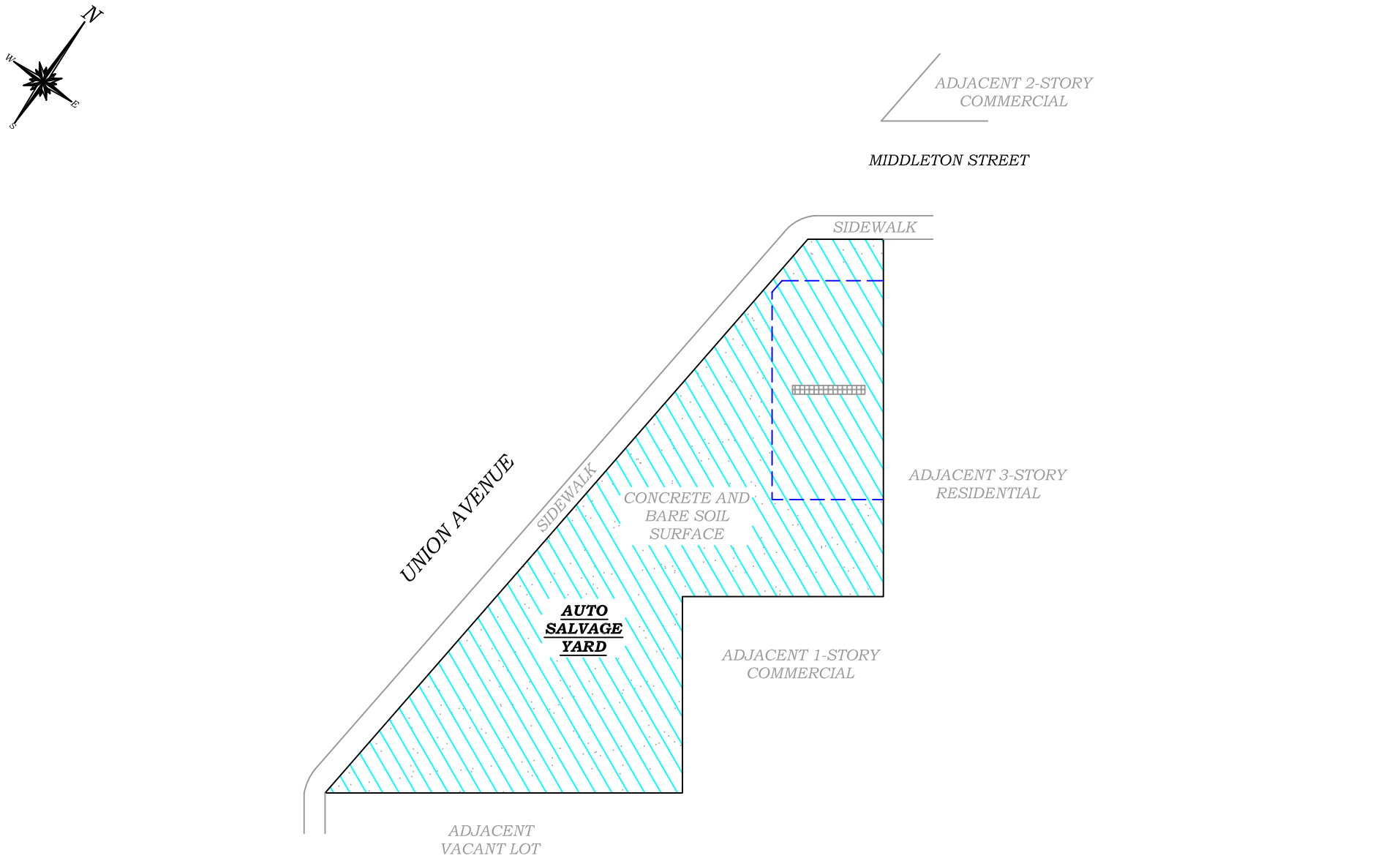
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FIGURE 3: MAP OF AREAS OF CONCERN



LEGEND:

FILL MATERIAL

0' 20' 40' 60'

SCALE IN FEET (FT.)

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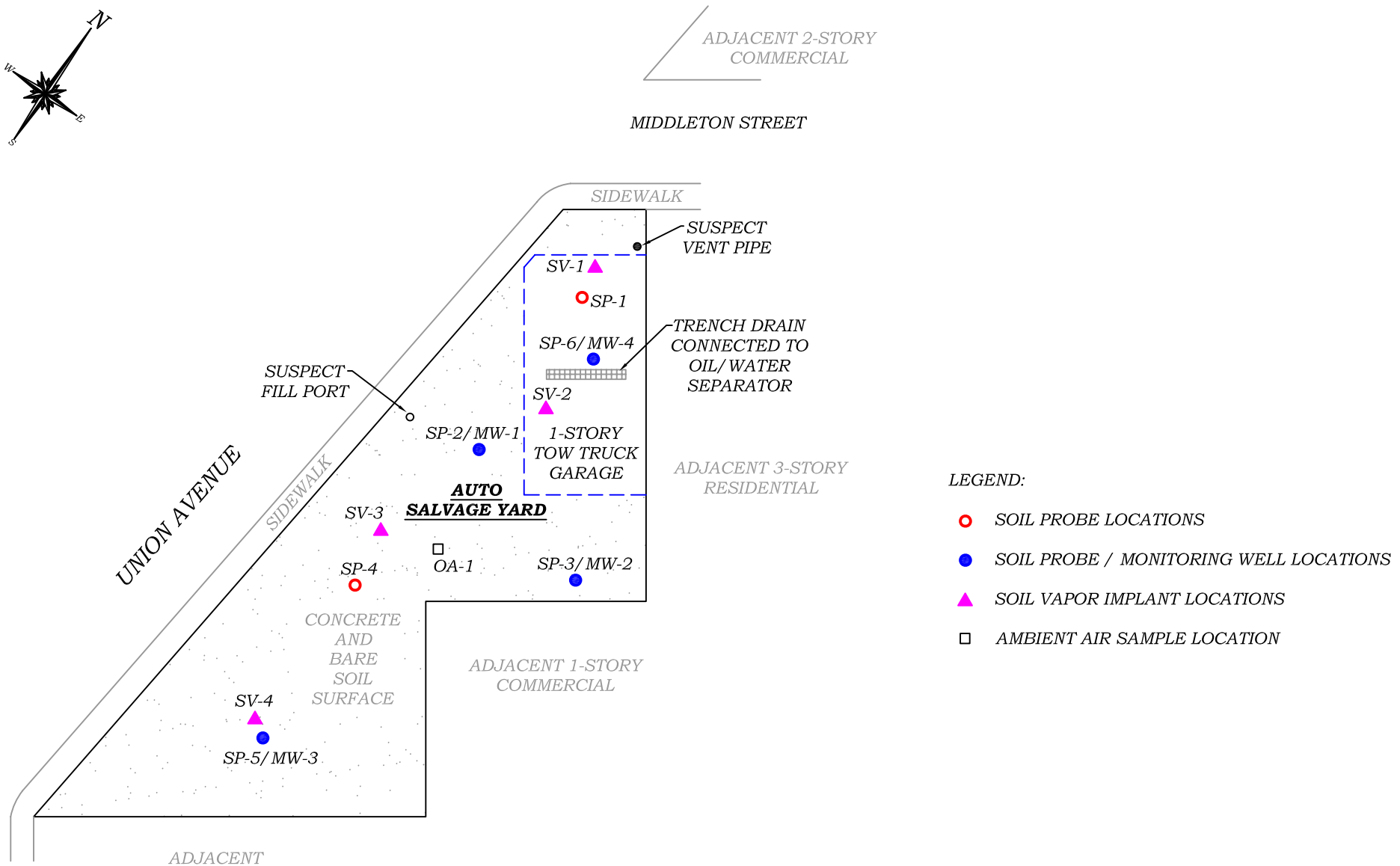
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FIGURE 4: MAP OF AREAS OF CONCERN



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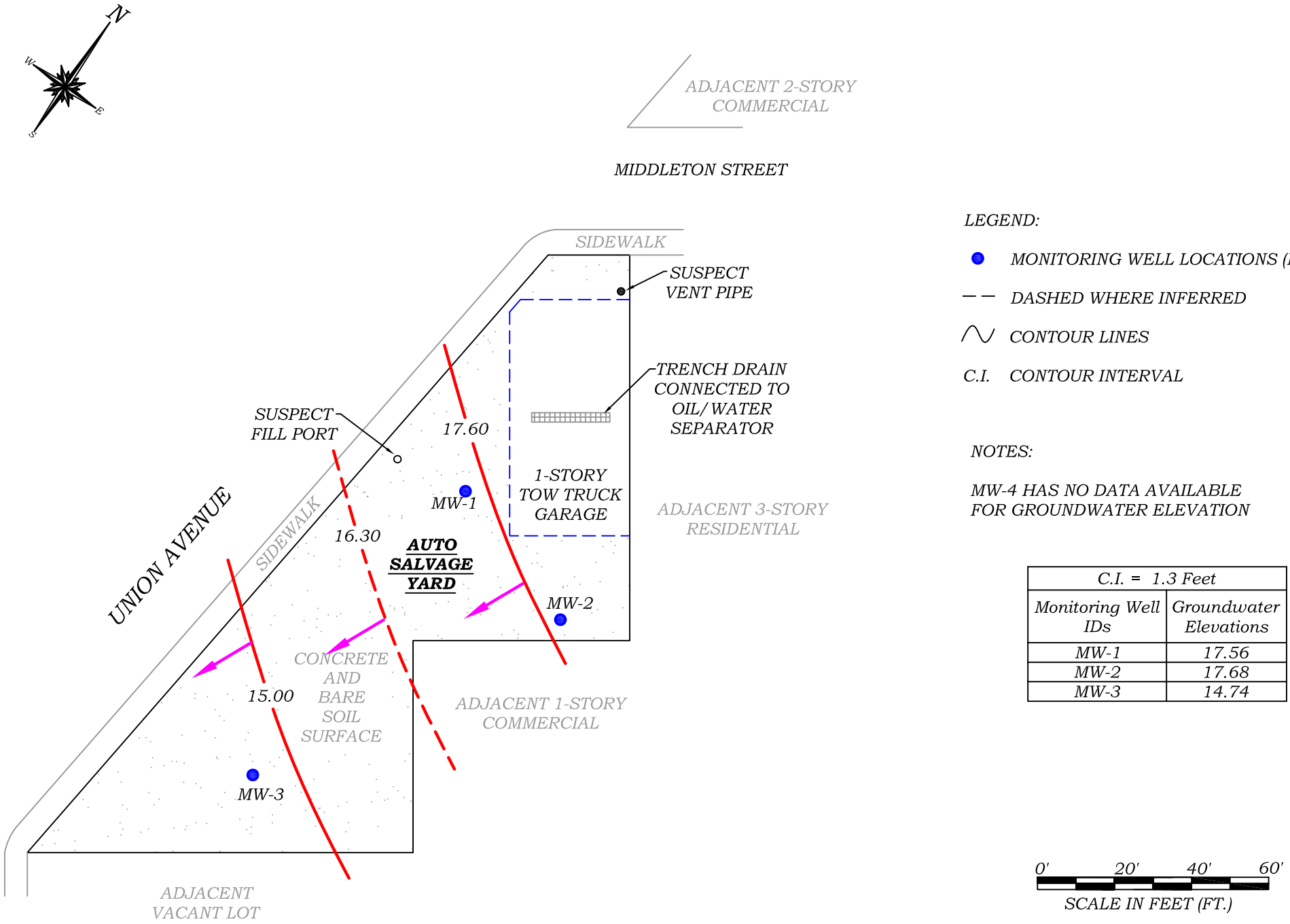
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FIGURE 5: LOCATION OF SOIL BORINGS, WELLS AND SOIL VAPOR SAMPLES



LEGEND:

- *MONITORING WELL LOCATIONS (MW)*
- *DASHED WHERE INFERRED*
- *CONTOUR LINES*
- *C.I. CONTOUR INTERVAL*

NOTES:

MW-4 HAS NO DATA AVAILABLE FOR GROUNDWATER ELEVATION

C.I. = 1.3 Feet	
Monitoring Well IDs	*Groundwater Elevations*
MW-1	*17.56*
MW-2	*17.68*
MW-3	*14.74*

0' 20' 40' 60'

SCALE IN FEET (FT.)

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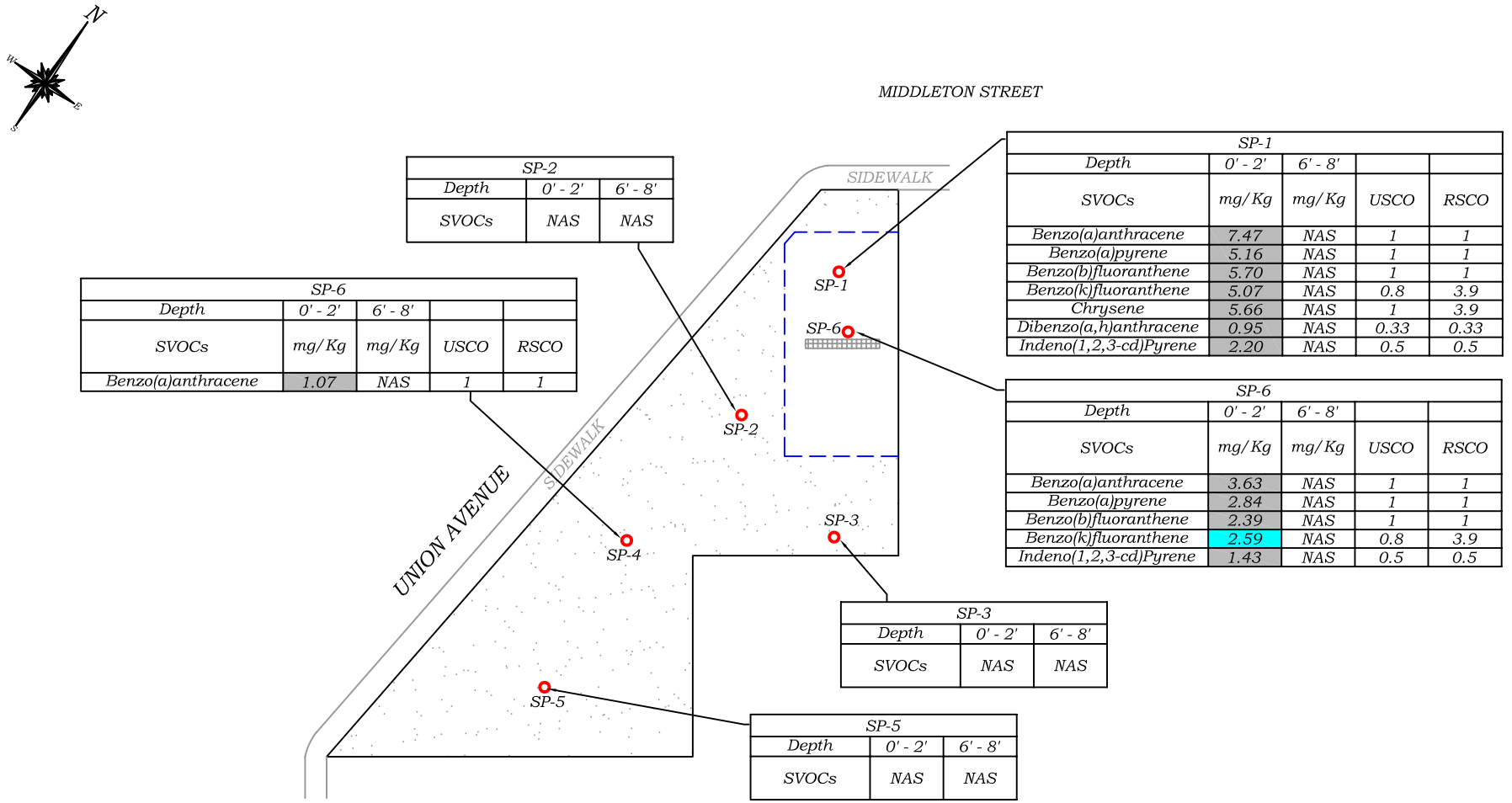
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FIGURE 6: GROUNDWATER FLOW MAP



SP-2		
Depth	0' - 2'	6' - 8'
SVOCs	NAS	NAS

SP-6				
Depth	0' - 2'	6' - 8'		
SVOCs	mg/Kg	mg/Kg	USCO	RSCO
Benzo(a)anthracene	1.07	NAS	1	1

SP-1				
Depth	0' - 2'	6' - 8'		
SVOCs	mg/Kg	mg/Kg	USCO	RSCO
Benzo(a)anthracene	7.47	NAS	1	1
Benzo(a)pyrene	5.16	NAS	1	1
Benzo(b)fluoranthene	5.70	NAS	1	1
Benzo(k)fluoranthene	5.07	NAS	0.8	3.9
Chrysene	5.66	NAS	1	3.9
Dibenzo(a,h)anthracene	0.95	NAS	0.33	0.33
Indeno(1,2,3-cd)Pyrene	2.20	NAS	0.5	0.5

SP-6				
Depth	0' - 2'	6' - 8'		
SVOCs	mg/Kg	mg/Kg	USCO	RSCO
Benzo(a)anthracene	3.63	NAS	1	1
Benzo(a)pyrene	2.84	NAS	1	1
Benzo(b)fluoranthene	2.39	NAS	1	1
Benzo(k)fluoranthene	2.59	NAS	0.8	3.9
Indeno(1,2,3-cd)Pyrene	1.43	NAS	0.5	0.5

SP-3		
Depth	0' - 2'	6' - 8'
SVOCs	NAS	NAS

SP-5		
Depth	0' - 2'	6' - 8'
SVOCs	NAS	NAS

LEGEND:

○	SOIL PROBE LOCATIONS
SVOC	SEMI VOLATILE ORGANIC COMPOUNDS
mg/Kg	MILLIGRAMS PER KILOGRAMS
NAS	NONE ABOVE STANDARDS
USCO	UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
RSCO	RESTRICTED USE SOIL CLEANUP OBJECTIVES
	GRAY SHADED VALUES EXCEED USCO
	BLUE SHADED VALUES EXCEED RSCO

0' 20' 40' 60'

SCALE IN FEET (FT.)

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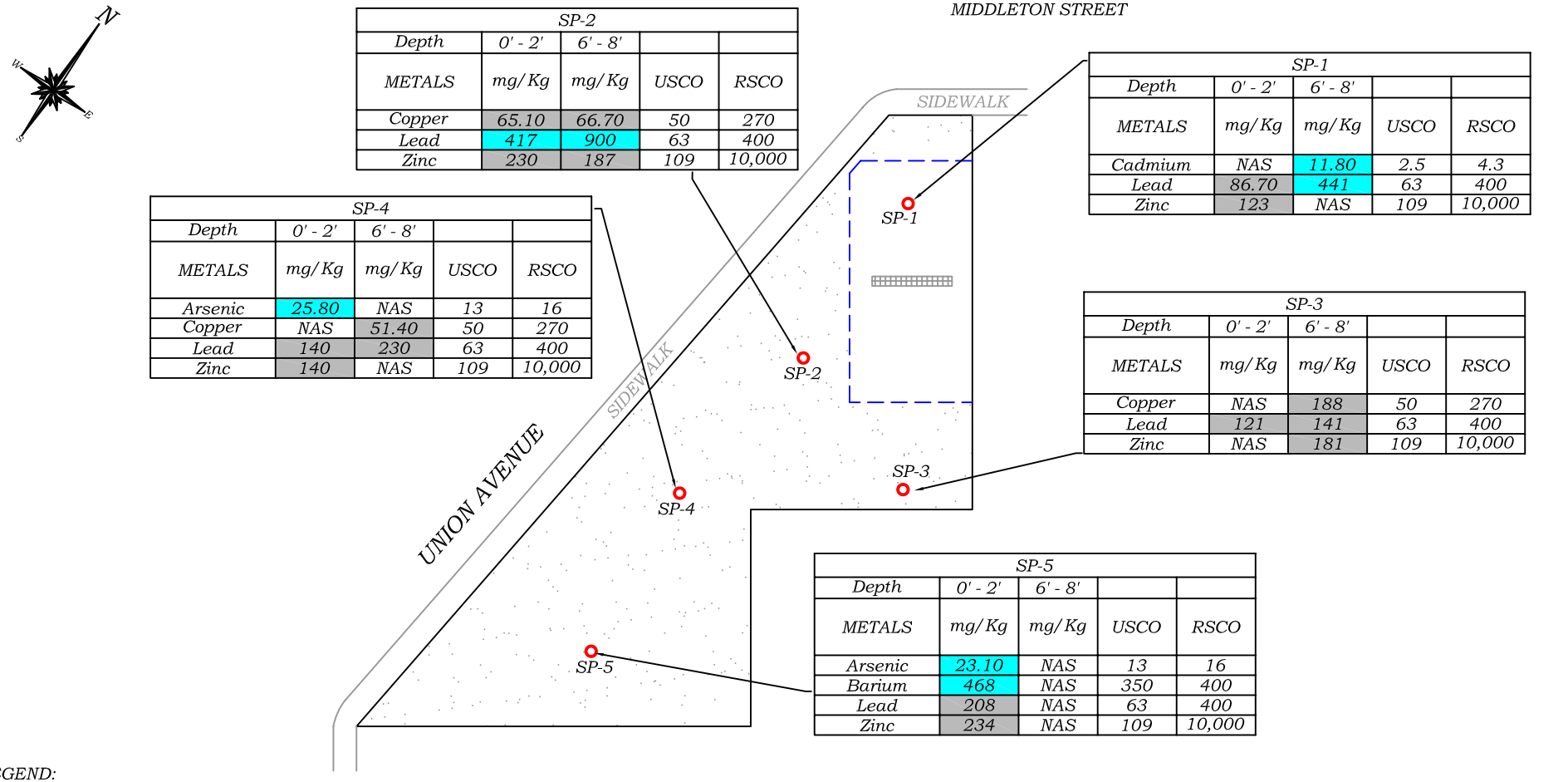
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FIGURE 7: MAP OF SVOCs IN SOIL



SP-2				
Depth	0' - 2'	6' - 8'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Copper	65.10	66.70	50	270
Lead	417	900	63	400
Zinc	230	187	109	10,000

SP-1				
Depth	0' - 2'	6' - 8'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Cadmium	NAS	11.80	2.5	4.3
Lead	86.70	441	63	400
Zinc	123	NAS	109	10,000

SP-4				
Depth	0' - 2'	6' - 8'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Arsenic	25.80	NAS	13	16
Copper	NAS	51.40	50	270
Lead	140	230	63	400
Zinc	140	NAS	109	10,000

SP-3				
Depth	0' - 2'	6' - 8'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Copper	NAS	188	50	270
Lead	121	141	63	400
Zinc	NAS	181	109	10,000

SP-5				
Depth	0' - 2'	6' - 8'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Arsenic	23.10	NAS	13	16
Barium	468	NAS	350	400
Lead	208	NAS	63	400
Zinc	234	NAS	109	10,000

LEGEND:

o	SOIL PROBE LOCATIONS
SVOC	SEMI VOLATILE ORGANIC COMPOUNDS
mg/Kg	MILLIGRAMS PER KILOGRAMS
NAS	NONE ABOVE STANDARDS
USCO	UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
RSCO	RESTRICTED USE SOIL CLEANUP OBJECTIVES
	GRAY SHADED VALUES EXCEED USCO
	BLUE SHADED VALUES EXCEED RSCO

0' 20' 40' 60'

SCALE IN FEET (FT.)

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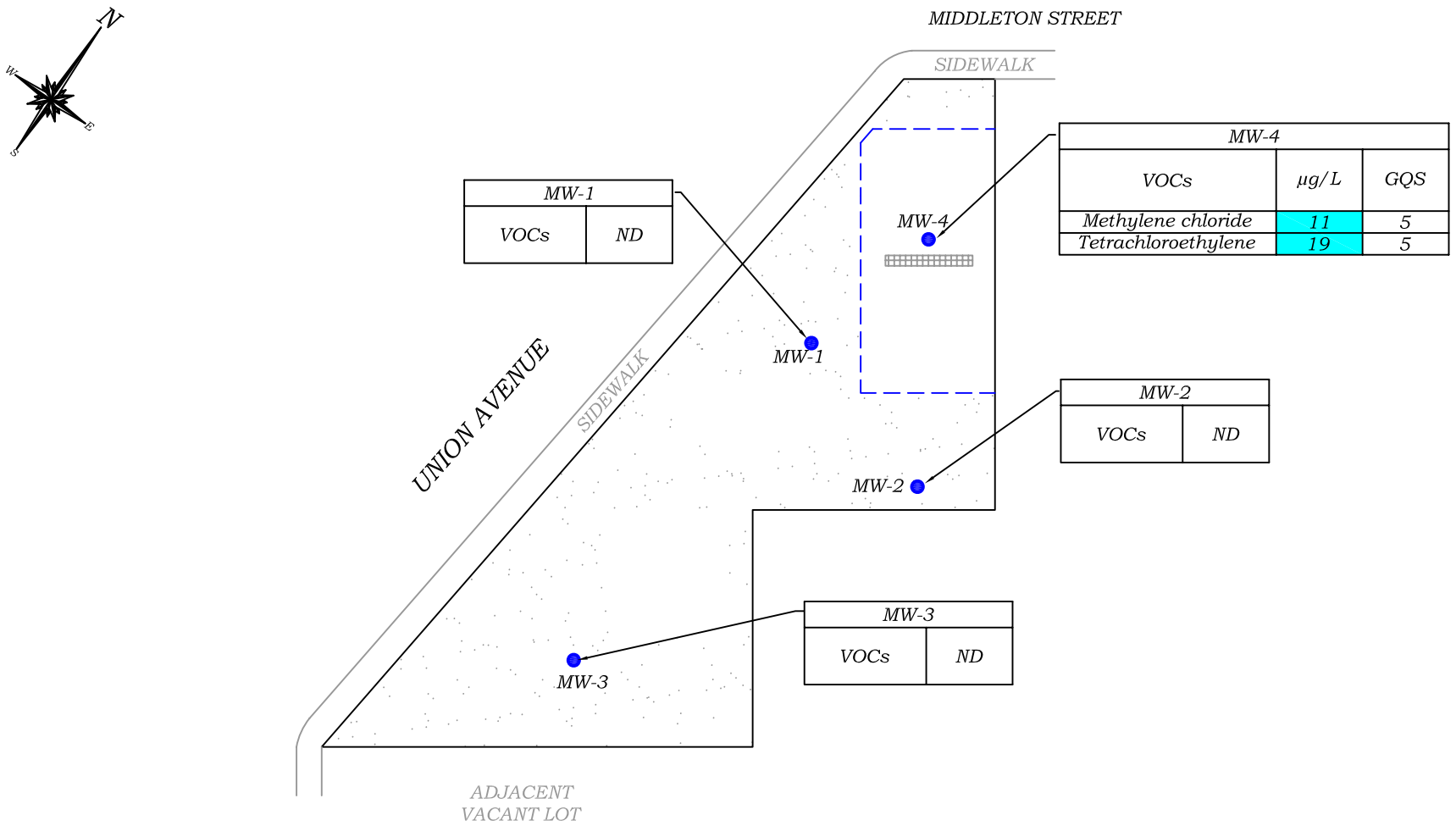
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FIGURE 8: MAP OF METALS IN SOIL



LEGEND:

●	MONITORING WELL LOCATIONS (MW)
VOC	VOLATILE ORGANIC COMPOUNDS
µg/L	MICROGRAMS PER LITER
ND	NONE DETECTED
GQS	GROUNDWATER QUALITY STANDARDS
▬	SHADED VALUES EXCEED GQS

0' 20' 40' 60'

SCALE IN FEET (FT.)

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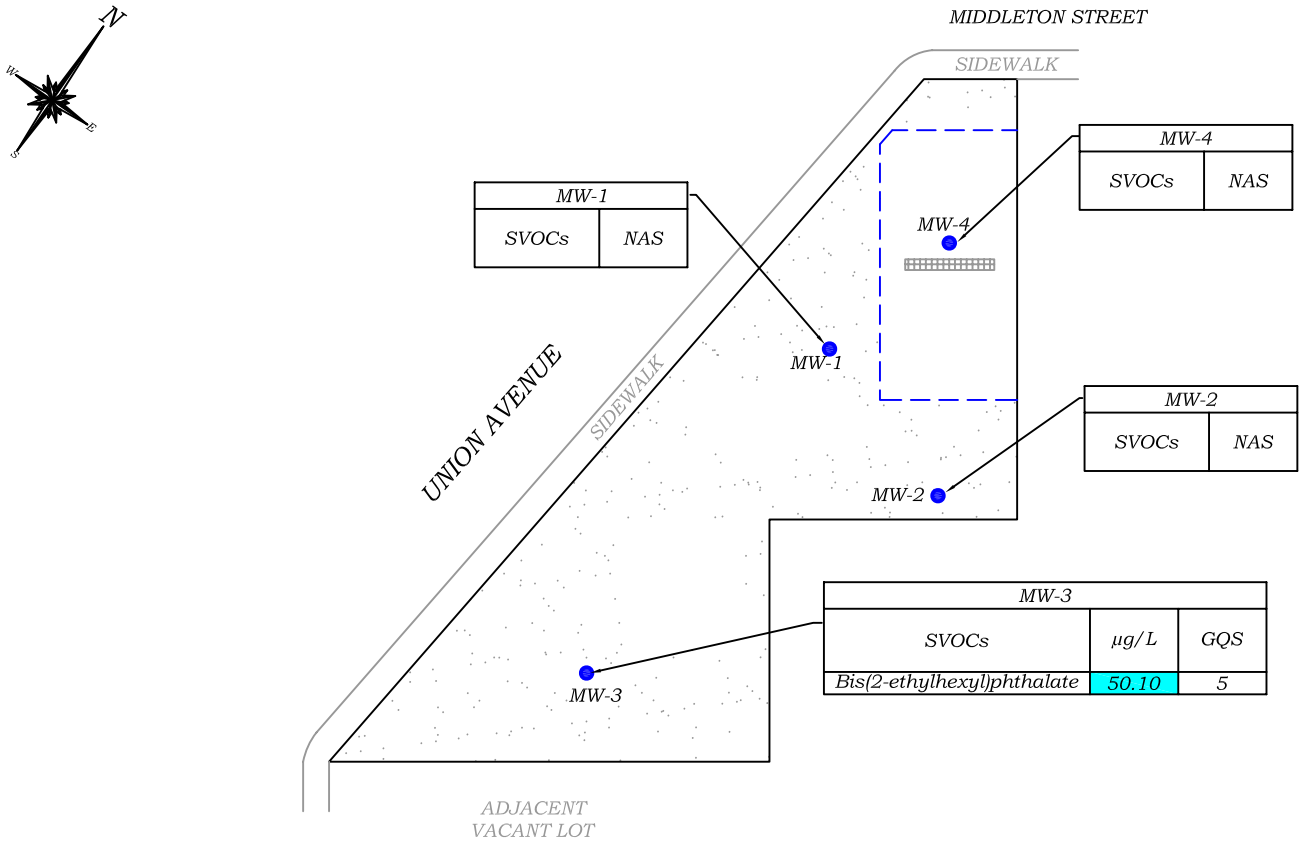
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FIGURE 9: MAP OF VOCs IN GROUNDWATER



LEGEND:

●	*MONITORING WELL LOCATIONS (MW)*
SVOC	*SEMI VOLATILE ORGANIC COMPOUNDS*
µg/L	*MICROGRAMS PER LITER*
ND	*NONE DETECTED*
GQS	*GROUNDWATER QUALITY STANDARDS*
▬	*SHADED VALUES EXCEED GQS*

0' 20' 40' 60'

SCALE IN FEET (FT.)

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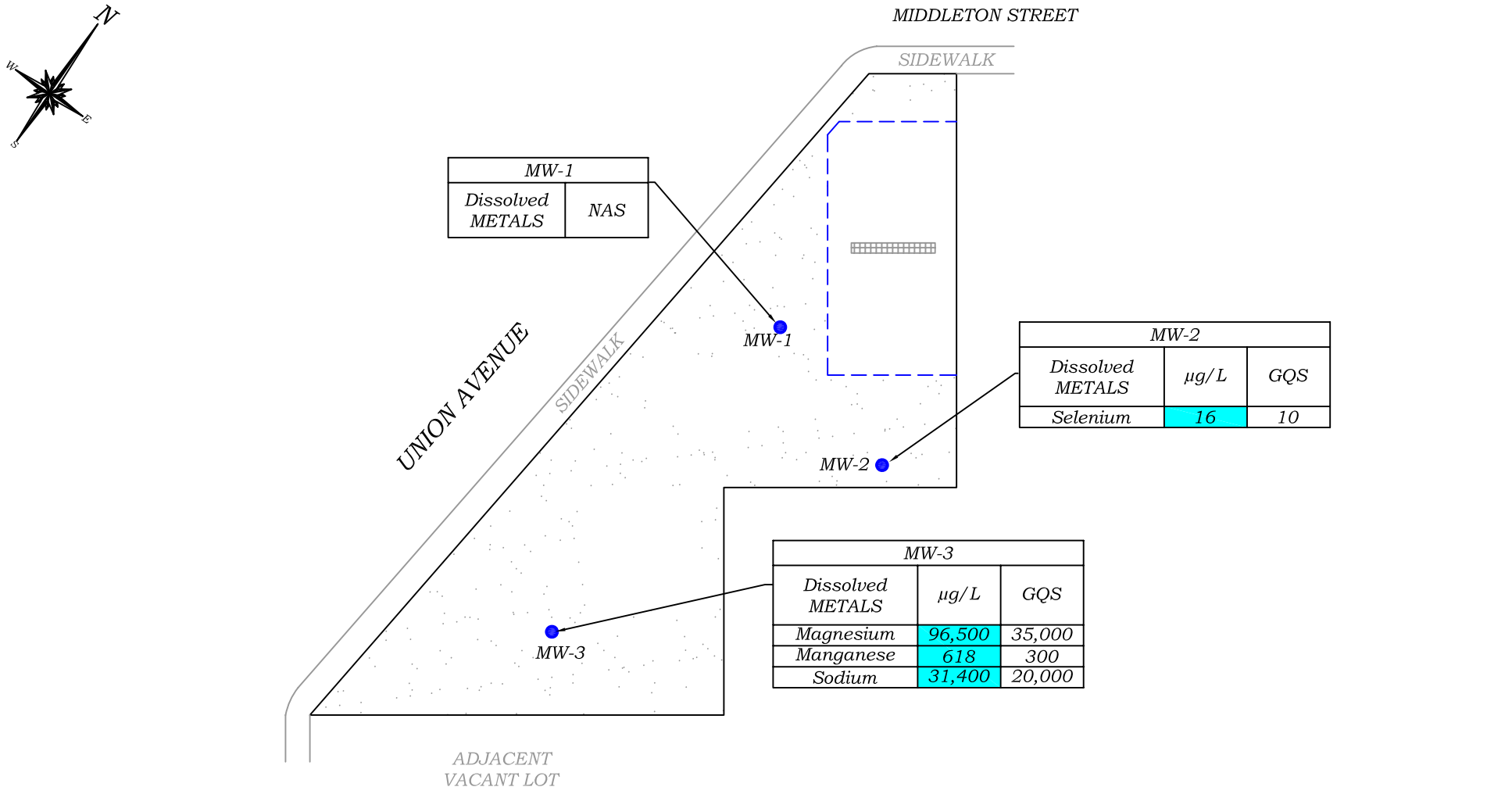
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TITLE:

FIGURE 10: MAP OF SVOCs IN GROUNDWATER



MW-1	
Dissolved METALS	NAS

MW-2		
Dissolved METALS	µg/L	GQS
Selenium	16	10

MW-3		
Dissolved METALS	µg/L	GQS
Magnesium	96,500	35,000
Manganese	618	300
Sodium	31,400	20,000

LEGEND:

●	MONITORING WELL LOCATIONS (MW)
µg/L	MICROGRAMS PER LITER
ND	NONE DETECTED
GQS	GROUNDWATER QUALITY STANDARDS
	SHADED VALUES EXCEED GQS

0' 20' 40' 60'

SCALE IN FEET (FT.)

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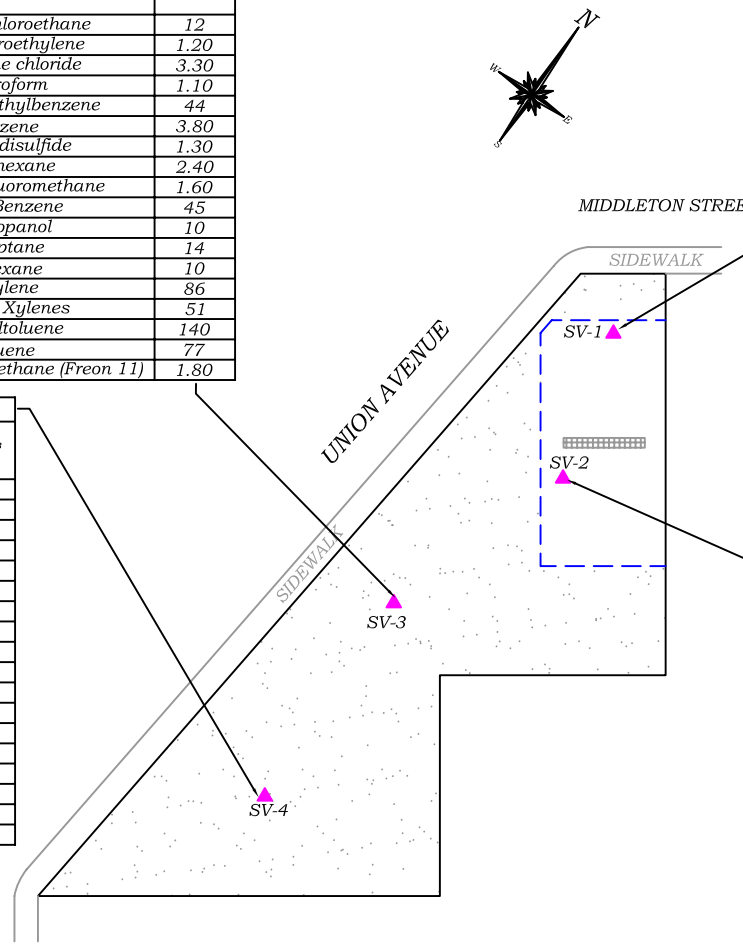
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FIGURE 11: MAP OF DISSOLVED METALS IN GROUNDWATER

SV-3	
VOCs	µg/m³
1,1,1-Trichloroethane	12
Tetrachloroethylene	1.20
Methylene chloride	3.30
Chloroform	1.10
1,3,5-Trimethylbenzene	44
Benzene	3.80
Carbon disulfide	1.30
Cyclohexane	2.40
Dichlorodifluoromethane	1.60
Ethyl Benzene	45
Isopropanol	10
n-heptane	14
n-Hexane	10
o-Xylene	86
p- & m- Xylenes	51
p-Ethyltoluene	140
Toluene	77
Trichlorofluoromethane (Freon 11)	1.80

SV-4	
VOCs	µg/m³
1,1,1-Trichloroethane	1.70
Tetrachloroethylene	1.90
1,2,4-Trimethylbenzene	13
1,3,5-Trimethylbenzene	3.40
2-Butanone	76
2-Hexanone	37
Carbon disulfide	6
Ethyl acetate	0.77
Ethyl Benzene	2.60
Isopropanol	13
n-heptane	3.30
n-Hexane	1.90
o-Xylene	5.90
p- & m- Xylenes	11
p-Ethyltoluene	8.20
Tetrahydrofuran	4
Toluene	6.20
Trichlorofluoromethane (Freon 11)	1.90



SV-1	
VOCs	µg/m³
1,1,1-Trichloroethane	
Tetrachloroethylene	920
Trichloroethylene	47
cis-1,2-Dichloroethylene	3.50
Methylene chloride	3.40
Chloroform	1.80
1,2,4-Trimethylbenzene	200
1,3,5-Trimethylbenzene	50
2-Butanone	1.20
Benzene	2.30
Cyclohexane	1.50
Dichlorodifluoromethane	1.80
Ethyl Benzene	43
Isopropanol	3.80
n-heptane	9.70
n-Hexane	6.30
o-Xylene	88
p- & m- Xylenes	48
p-Ethyltoluene	170
Toluene	61
Trichlorofluoromethane (Freon 11)	1.80

SV-2	
VOCs	µg/m³
1,1,1-Trichloroethane	4.40
Tetrachloroethylene	520
Trichloroethylene	2.70
cis-1,2-Dichloroethylene	1.10
Methylene chloride	14
Chloroform	1.90
1,2,4-Trimethylbenzene	170
1,3,5-Trimethylbenzene	46
2-Butanone	4
Benzene	6.60
Carbon disulfide	0.38
Cyclohexane	3.60
Dichlorodifluoromethane	1.80
Ethyl Benzene	62
Isopropanol	16
n-heptane	21
n-Hexane	16
o-Xylene	110
p- & m- Xylenes	70
p-Ethyltoluene	150
Tetrahydrofuran	25
Toluene	98
Trichlorofluoromethane (Freon 11)	2.50

LEGEND:

▲ SOIL VAPOR IMPLANT LOCATIONS (SV)

VOC VOLATILE ORGANIC COMPOUND

µg/m³ MICROGRAMS PER CUBIC METER

0' 20' 40' 60'

SCALE IN FEET (FT.)

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FIGURE 12: MAP OF SOIL VAPORS

TABLES

Table 1

Groundwater Monitoring Data - April 2014

100 Union Avenue, Brooklyn NY

Well ID	Benchmark	Shot	DTP	DTW	Water Table Elevation (ft)
MW-1	30	5.42	ND	7.02	17.56
MW-2	30	5.50	ND	6.82	17.68
MW-3	30	5.52	ND	9.74	14.74

All values reported in feet.

DTW…Depth to Water

DTP…Depth to Product

ND…None Detected

Table 2
Soil Samples Analytical Results for VOCs
100 Union Avenue, Brooklyn, NY

Sample ID	SP-1 0-2 ft		SP-1 6-8 ft		SP-2 0-2 ft		SP-2 6-8 ft		SP-3 0-2 ft		SP-3 6-8 ft		SP-4 0-2 ft		SP-4 6-8 ft		SP-5 0-2 ft		SP-5 6-8 ft		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014			
Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg			
Compound	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		
1,1,1-Trichloroethane	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	0.68	100
1,1-Dichloroethane	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	0.27	26
1,1-Dichloroethylene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	0.33	100
1,2,4-Trimethylbenzene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	3.6	52
1,2-Dichlorobenzene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	1.1	100
1,2-Dichloroethane	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	0.02	3.1
1,2-Dichloroethane-d4	0.053		0.052		0.053		0.053		0.052		0.052		0.051		0.054		0.051		0.057		NS	NS
1,3,5-Trimethylbenzene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	8.4	52
1,3-Dichlorobenzene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	2.4	49
1,4-Dichlorobenzene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	1.8	13
1,4-Dioxane	0.038	U	0.061	U	0.043	U	0.050	U	0.038	U	0.042	U	0.043	U	0.059	U	0.047	U	0.054	U	0.1	13
2-Butanone	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0041	J	0.0023	U	0.0027	U	0.12	100
Acetone	0.018	B	0.023		0.023	B	0.030	B	0.014	B	0.015	B	0.022	B	0.16	B	0.025	B	0.057	B	0.05	100
Benzene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	0.06	4.8
Carbon tetrachloride	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	0.76	2.4
Chlorobenzene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	1.1	100
Chloroform	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	0.37	49
cis-1,2-Dichloroethylene	0.0019	U	0.0098		0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	0.25	100
Ethyl Benzene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	1	41
Methyl tert-butyl ether (MTBE)	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	0.93	100
Methylene chloride	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0038	J	0.05	100
n-Butylbenzene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	12	100
n-Propylbenzene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	3.9	100
o-Xylene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	0.26	100
p- & m- Xylenes	0.0038	U	0.0061	U	0.0043	U	0.0050	U	0.0038	U	0.0042	U	0.0043	U	0.0059	U	0.0047	U	0.0054	U	0.26	100
p-Bromofluorobenzene	0.051		0.060		0.051		0.049		0.051		0.049		0.048		0.050		0.048		0.047		NS	NS
sec-Butylbenzene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	11	100
tert-Butylbenzene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	5.9	100
Tetrachloroethylene	0.0035	J	0.050		0.0021	U	0.0044	J	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	1.3	19
Toluene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	0.7	100
Toluene-d8	0.051		0.055		0.050		0.051		0.053		0.051		0.051		0.052		0.050		0.049		NS	NS
trans-1,2-Dichloroethylene	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	0.19	100
Trichloroethylene	0.0019	U	0.0054	J	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	0.47	21
Vinyl Chloride	0.0019	U	0.0031	U	0.0021	U	0.0025	U	0.0019	U	0.0021	U	0.0022	U	0.0030	U	0.0023	U	0.0027	U	0.02	0.9
Xylenes, Total	0.0057	U	0.0092	U	0.0064	U	0.0075	U	0.0057	U	0.0064	U	0.0065	U	0.0089	U	0.0070	U	0.0082	U	0.26	100

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B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
NT=this indicates the analyte was not a target for this sample
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Grey shaded values represent concentration exceeding Unrestricted Use SCO

Table 2 (Cont.)
Soil Samples Analytical Results for VOCs
100 Union Avenue, Brooklyn, NY

Sample ID	SP-6 0-2 ft		SP-6 6-8 ft		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	5/7/2014		5/7/2014			
Matrix	Soil		Soil			
Unit	mg/Kg		mg/Kg			
Compound	Result	Q	Result	Q		
Volatile Organics, 8260 List						
1,1,1,2-Tetrachloroethane	0.0023	U	0.0024	U	NS	NS
1,1,1-Trichloroethane	0.0023	U	0.0024	U	0.68	100
1,1,2,2-Tetrachloroethane	0.0023	U	0.0024	U	NS	NS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0023	U	0.0024	U	NS	NS
1,1,2-Trichloroethane	0.0023	U	0.0024	U	NS	NS
1,1-Dichloroethane	0.0023	U	0.0024	U	0.27	26
1,1-Dichloroethylene	0.0023	U	0.0024	U	0.33	100
1,1-Dichloropropylene	0.0023	U	0.0024	U	NS	NS
1,2,3-Trichlorobenzene	0.0023	U	0.0024	U	NS	NS
1,2,3-Trichloropropane	0.0023	U	0.0024	U	NS	NS
1,2,4-Trichlorobenzene	0.0023	U	0.0024	U	NS	NS
1,2,4-Trimethylbenzene	0.0023	U	0.0024	U	3.6	52
1,2-Dibromo-3-chloropropane	0.0023	U	0.0024	U	NS	NS
1,2-Dibromoethane	0.0023	U	0.0024	U	NS	NS
1,2-Dichlorobenzene	0.0023	U	0.0024	U	1.1	100
1,2-Dichloroethane	0.0023	U	0.0024	U	0.02	3.1
1,2-Dichloropropane	0.0023	U	0.0024	U	NS	NS
1,3,5-Trimethylbenzene	0.0023	U	0.0024	U	8.4	52
1,3-Dichlorobenzene	0.0023	U	0.0024	U	2.4	49
1,3-Dichloropropane	0.0023	U	0.0024	U	NS	NS
1,4-Dichlorobenzene	0.0023	U	0.0024	U	1.8	13
1,4-Dioxane	0.046	U	0.048	U	0.1	13
2,2-Dichloropropane	0.0023	U	0.0024	U	NS	NS
2-Butanone	0.0023	U	0.0024	U	0.12	100
2-Chlorotoluene	0.0023	U	0.0024	U	NS	NS
4-Chlorotoluene	0.0023	U	0.0024	U	NS	NS
Acetone	0.0023	U	0.0024	U	0.05	100
Benzene	0.0023	U	0.0024	U	0.06	4.8
Bromobenzene	0.0023	U	0.0024	U	NS	NS
Bromochloromethane	0.0023	U	0.0024	U	NS	NS
Bromodichloromethane	0.0023	U	0.0024	U	NS	NS
Bromoform	0.0023	U	0.0024	U	NS	NS
Bromomethane	0.0023	U	0.0024	U	NS	NS
Carbon tetrachloride	0.0023	U	0.0024	U	0.76	2.4
Chlorobenzene	0.0023	U	0.0024	U	1.1	100
Chloroethane	0.0023	U	0.0024	U	NS	NS
Chloroform	0.0023	U	0.0024	U	0.37	49
Chloromethane	0.0023	U	0.0024	U	NS	NS
cis-1,2-Dichloroethylene	0.0023	U	0.0024	U	0.25	100
cis-1,3-Dichloropropylene	0.0023	U	0.0024	U	NS	NS
Dibromochloromethane	0.0023	U	0.0024	U	NS	NS
Dibromomethane	0.0023	U	0.0024	U	NS	NS
Dichlorodifluoromethane	0.0023	U	0.0024	U	NS	NS
Ethyl Benzene	0.0023	U	0.0024	U	1	41
Hexachlorobutadiene	0.0023	U	0.0024	U	NS	NS
Isopropylbenzene	0.0023	U	0.0024	U	NS	NS
Methyl tert-butyl ether (MTBE)	0.0023	U	0.0024	U	0.93	100
Methylene chloride	0.0025	J	0.0024	U	0.05	100
Naphthalene	0.0023	U	0.0024	U	12	100
n-Butylbenzene	0.0023	U	0.0024	U	12	100
n-Propylbenzene	0.0023	U	0.0024	U	3.9	100
o-Xylene	0.0023	U	0.0024	U	NS	NS
p- & m- Xylenes	0.0046	U	0.0048	U	NS	NS
p-Isopropyltoluene	0.0023	U	0.0024	U	NS	NS
sec-Butylbenzene	0.0023	U	0.0024	U	11	100
Styrene	0.0023	U	0.0024	U	NS	NS
tert-Butylbenzene	0.0023	U	0.0024	U	5.9	100
Tetrachloroethylene	0.038		0.0046	J	1.3	19
Toluene	0.0023	U	0.0024	U	0.7	100
trans-1,2-Dichloroethylene	0.0023	U	0.0024	U	0.19	100
trans-1,3-Dichloropropylene	0.0023	U	0.0024	U	NS	NS
Trichloroethylene	0.0023	U	0.0024	U	0.47	21
Trichlorofluoromethane	0.0023	U	0.0024	U	NS	NS
Vinyl acetate	0.0023	U	0.0024	U	NS	NS
Vinyl Chloride	0.0023	U	0.0024	U	0.02	0.9
Xylenes, Total	0.0068	U	0.0072	U	0.26	100

NOTES:
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U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
NT=this indicates the analyte was not a target for this sample
NS=this indicates that no regulatory limit has been established for this analyte
Grey shaded values represent concentration exceeding Unrestricted Use SCO
Blue shaded values represent concentration exceeding Restricted Residnetial SCO

Table 2 (Cont.)
Soil Samples Analytical Results for SVOCs
100 Union Avenue, Brooklyn, NY

Sample ID	SP-1 0-2 ft		SP-1 6-8 ft		SP-2 0-2 ft		SP-2 6-8 ft		SP-3 0-2 ft		SP-3 6-8 ft		SP-4 0-2 ft		SP-4 6-8 ft		SP-5 0-2 ft		SP-5 6-8 ft		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014			
Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg			
Compound	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		
2,4,6-Tribromophenol	0.045		1.57		2.80		1.23		0.27		1.08		0.94		1.36		1.04		1.27		NS	NS
2-Fluorobiphenyl	0.95		0.93		1.89		0.85		0.43		0.59		0.85		0.87		0.67		0.62		NS	NS
2-Fluorophenol	0.87		1.17		0.58		1.25		0.30		0.93		1.11		1.40		0.75		1.18		NS	NS
2-Methylphenol	1.89	U	0.22	U	5	U	0.50	U	0.99	U	0.098	U	0.97	U	0.12	U	0.46	U	0.11	U	0.33	100
3- & 4-Methylphenols	1.89	U	0.22	U	5	U	0.50	U	0.99	U	0.098	U	0.97	U	0.12	U	0.46	U	0.11	U	NS	NS
Acenaphthene	1.34	JD	0.11	U	2.50	U	0.25	U	0.50	U	0.049	U	0.48	U	0.058	U	0.23	U	0.055	U	20	100
Acenaphthylene	0.95	U	0.11	U	2.50	U	0.25	U	0.50	U	0.049	U	0.48	U	0.058	U	0.23	U	0.055	U	100	100
Anthracene	3.82	D	0.13	JD	2.50	U	0.43	JD	0.50	U	0.049	U	0.48	U	0.058	U	0.23	U	0.055	U	100	100
Benzo(a)anthracene	7.47	D	0.38	JD	2.50	U	0.75	JD	0.50	U	0.049	U	1.07	JD	0.058	U	0.75	JD	0.055	U	1	1
Benzo(a)pyrene	5.16	D	0.23	JD	2.50	U	0.46	JD	0.50	U	0.049	U	0.67	JD	0.058	U	0.50	JD	0.055	U	1	1
Benzo(b)fluoranthene	5.70	D	0.20	JD	2.50	U	0.37	JD	0.50	U	0.049	U	0.63	JD	0.058	U	0.50	JD	0.055	U	1	1
Benzo(g,h,i)perylene	2	JD	0.22	U	5	U	0.50	U	0.99	U	0.098	U	0.97	U	0.12	U	0.46	U	0.11	U	100	100
Benzo(k)fluoranthene	5.07	D	0.23	JD	2.50	U	0.46	JD	0.50	U	0.049	U	0.66	JD	0.058	U	0.52	JD	0.055	U	0.8	3.9
Chrysene	5.66	D	0.29	JD	2.50	U	0.62	JD	0.50	U	0.049	U	0.90	JD	0.058	U	0.64	JD	0.055	U	1	3.9
Dibenzo(a,h)anthracene	0.95	U	0.11	U	2.50	U	0.25	U	0.50	U	0.049	U	0.48	U	0.058	U	0.23	U	0.055	U	0.33	0.33
Dibenzofuran	1.38	JD	0.11	U	2.50	U	0.25	U	0.50	U	0.049	U	0.48	U	0.058	U	0.23	U	0.055	U	7	59
Fluoranthene	16.20	D	0.72	D	2.50	U	1.57	D	0.50	U	0.065	J	2.13	D	0.058	U	1.46	D	0.055	U	100	100
Fluorene	2.18	JD	0.11	U	2.50	U	0.25	U	0.50	U	0.049	U	0.48	U	0.058	U	0.23	U	0.055	U	30	100
Hexachlorobenzene	0.95	U	0.11	U	2.50	U	0.25	U	0.50	U	0.049	U	0.48	U	0.058	U	0.23	U	0.055	U	0.33	1.2
Indeno(1,2,3-cd)pyrene	2.20	JD	0.11	U	2.50	U	0.25	U	0.50	U	0.049	U	0.48	U	0.058	U	0.23	U	0.055	U	0.5	0.5
Naphthalene	1.71	JD	0.11	U	2.50	U	0.25	U	0.50	U	0.049	U	0.48	U	0.058	U	0.23	U	0.055	U	12	100
Nitrobenzene-d5	1.10		1.15		2.18		1.09		0.47		0.68		0.93		0.94		0.85		0.73		NS	NS
Pentachlorophenol	1.89	U	0.22	U	5	U	0.50	U	0.99	U	0.098	U	0.97	U	0.12	U	0.46	U	0.11	U	0.8	6.7
Phenanthrene	15.50	D	0.56	D	2.50	U	1.55	D	0.50	U	0.049	U	1.35	JD	0.058	U	0.82	JD	0.055	U	100	100
Phenol	0.95	U	0.11	U	2.50	U	0.25	U	0.50	U	0.049	U	0.48	U	0.058	U	0.23	U	0.055	U	0.33	100
Phenol-d5	1.69		1.84		3.28		1.55		0.63		1.37		1.51		1.91		1.17		1.42		NS	NS
Pyrene	12.80	D	0.61	D	2.50	U	1.35	D	0.50	U	0.054	J	1.95	D	0.058	U	1.24	D	0.055	U	100	100
Terphenyl-d14	1.26		1.60		2.26		1.28		0.54		0.89		1.12		1.24		0.93		0.97		NS	NS

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Table 2 (Cont.)
Soil Samples Analytical Results for SVOCs
100 Union Avenue, Brooklyn, NY

Sample ID	SP-6 0-2 ft		SP-6 6-8 ft		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	5/7/2014		5/7/2014			
Matrix	Soil		Soil			
Unit	mg/Kg		mg/Kg			
Compound	Result	Q	Result	Q		
1,2,4-Trichlorobenzene	0.34	U	0.070	U	NS	NS
1,2-Dichlorobenzene	0.34	U	0.070	U	1.1	100
1,3-Dichlorobenzene	0.34	U	0.070	U	2.4	49
1,4-Dichlorobenzene	0.34	U	0.070	U	1.8	13
2,4-Dinitrotoluene	0.68	U	0.14	U	NS	NS
2,6-Dinitrotoluene	0.34	U	0.070	U	NS	NS
2-Chloronaphthalene	0.34	U	0.070	U	NS	NS
2-Methylnaphthalene	0.34	U	0.070	U	NS	NS
3,3'-Dichlorobenzidine	1.35	U	0.28	U	NS	NS
3-Nitroaniline	0.68	U	0.14	U	NS	NS
4-Bromophenyl phenyl ether	0.34	U	0.070	U	NS	NS
4-Chloroaniline	0.68	U	0.14	U	NS	NS
4-Chlorophenyl phenyl ether	0.34	U	0.070	U	NS	NS
4-Nitroaniline	0.68	U	0.14	U	NS	NS
Acenaphthene	0.81	JD	0.070	U	20	100
Acenaphthylene	0.34	U	0.070	U	100	100
Aniline	0.34	U	0.070	U	NS	NS
Anthracene	1.35	D	0.077	J	100	100
Benzo(a)anthracene	3.63	D	0.22	J	1	1
Benzo(a)pyrene	2.84	D	0.16	J	1	1
Benzo(b)fluoranthene	2.39	D	0.098	J	1	1
Benzo(g,h,i)perylene	1.36	D	0.14	U	100	100
Benzo(k)fluoranthene	2.59	D	0.15	J	0.8	3.9
Benzyl butyl phthalate	0.34	U	0.070	U	NS	NS
Bis(2-chloroethoxy)methane	0.34	U	0.070	U	NS	NS
Bis(2-chloroethyl)ether	0.34	U	0.070	U	NS	NS
Bis(2-chloroisopropyl)ether	0.34	U	0.070	U	NS	NS
Bis(2-ethylhexyl)phthalate	0.34	U	0.070	U	NS	NS
Carbazole	0.72	JD	0.070	U	NS	NS
Chrysene	3.04	D	0.16	J	1	3.9
Dibenzo(a,h)anthracene	0.34	U	0.070	U	0.33	0.33
Dibenzofuran	0.49	JD	0.070	U	7	59
Diethyl phthalate	0.34	U	0.070	U	NS	NS
Dimethyl phthalate	0.34	U	0.070	U	NS	NS
Di-n-butyl phthalate	0.34	U	0.070	U	NS	NS
Di-n-octyl phthalate	0.34	U	0.070	U	NS	NS
Fluoranthene	7.58	D	0.46		100	100
Fluorene	0.68	JD	0.070	U	30	100
Hexachlorobenzene	0.34	U	0.070	U	0.33	1.2
Hexachlorobutadiene	0.34	U	0.070	U	NS	NS
Hexachlorocyclopentadiene	0.68	U	0.14	U	NS	NS
Hexachloroethane	0.34	U	0.070	U	NS	NS
Indeno(1,2,3-cd)pyrene	1.43	D	0.084	J	0.5	0.5
Isophorone	0.34	U	0.070	U	NS	NS
Naphthalene	0.45	JD	0.070	U	12	100
Nitrobenzene	0.34	U	0.070	U	NS	NS
N-Nitrosodimethylamine	0.68	U	0.14	U	NS	NS
N-nitroso-di-n-propylamine	0.34	U	0.070	U	NS	NS
N-Nitrosodiphenylamine	0.34	U	0.070	U	NS	NS
Phenanthrene	6.61	D	0.27	J	100	100
Pyrene	6.44	D	0.38		100	100
Pyridine	0.34	U	0.070	U	NS	NS

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Blue shaded values represent concentration exceeding Restricted Residnetial SCO

Table 2 (Cont.)
Soil Samples Analytical Results for Pesticides and PCBs
100 Union Avenue, Brooklyn, NY

Sample ID	SP-1 0-2 ft		SP-1 6-8 ft		SP-2 0-2 ft		SP-2 6-8 ft		SP-3 0-2 ft		SP-3 6-8 ft		SP-4 0-2 ft		SP-4 6-8 ft		SP-5 0-2 ft		SP-5 6-8 ft		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014			
Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg			
Compound	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		
Pesticides																						
4,4'-DDD	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0033	13
4,4'-DDE	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0033	8.9
4,4'-DDT	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0033	7.9
Aldrin	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.005	0.097
alpha-BHC	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.02	0.48
alpha-Chlordane	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.094	4.2
beta-BHC	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.036	0.36
Decachlorobiphenyl	0.036		0.030		0.042		0.038		0.034		0.027		0.034		0.036		0.039		0.029		NS	NS
delta-BHC	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.04	100
Dieldrin	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.005	0.2
Endosulfan I	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	2.4	24
Endosulfan II	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	2.4	24
Endosulfan sulfate	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	2.4	24
Endrin	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.014	11
gamma-BHC (Lindane)	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.1	1.3
Heptachlor	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.0017	U	0.042	2.1
Tetrachloro-m-xylene	0.032		0.029		0.033		0.035		0.024		0.031		0.020		0.043		0.030		0.030		NS	NS
Polychlorinated Biphenyls (PCB)																						
Aroclor 1016	0.019	U	0.022	U	0.020	U	0.020	U	0.020	U	0.020	U	0.020	U	0.024	U	0.019	U	0.022	U	NS	NS
Aroclor 1221	0.019	U	0.022	U	0.020	U	0.020	U	0.020	U	0.020	U	0.020	U	0.024	U	0.019	U	0.022	U	NS	NS
Aroclor 1232	0.019	U	0.022	U	0.020	U	0.020	U	0.020	U	0.020	U	0.020	U	0.024	U	0.019	U	0.022	U	NS	NS
Aroclor 1242	0.019	U	0.022	U	0.020	U	0.020	U	0.020	U	0.020	U	0.020	U	0.024	U	0.019	U	0.022	U	NS	NS
Aroclor 1248	0.019	U	0.022	U	0.020	U	0.020	U	0.020	U	0.020	U	0.020	U	0.024	U	0.019	U	0.022	U	NS	NS
Aroclor 1254	0.019	U	0.086		0.020	U	0.020	U	0.020	U	0.020	U	0.020	U	0.024	U	0.019	U	0.022	U	NS	NS
Aroclor 1260	0.019	U	0.022	U	0.020	U	0.020	U	0.020	U	0.020	U	0.020	U	0.024	U	0.019	U	0.022	U	NS	NS
Decachlorobiphenyl	0.029		0.027		0.027		0.025		0.030		0.025		0.028		0.033		0.031		0.018		NS	NS
Tetrachloro-m-xylene	0.040		0.029		0.025		0.028		0.036		0.031		0.027		0.041		0.026		0.024		NS	NS
Total PCBs	0.019	U	0.086		0.020	U	0.020	U	0.020	U	0.020	U	0.020	U	0.024	U	0.019	U	0.022	U	0.1	1

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U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
NT=this indicates the analyte was not a target for this sample
NS=this indicates that no regulatory limit has been established for this analyte
Grey shaded values represent concentration exceeding Unrestricted Use SCO
Blue shaded values represent concentration exceeding Restricted Residnetial SCO

Table 2 (Cont.)
Soil Samples Analytical Results for TAL Metals
100 Union Avenue, Brooklyn, NY

Sample ID	SP-1 0-2 ft		SP-1 6-8 ft		SP-2 0-2 ft		SP-2 6-8 ft		SP-3 0-2 ft		SP-3 6-8 ft		SP-4 0-2 ft		SP-4 6-8 ft		SP-5 0-2 ft		SP-5 6-8 ft		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014		4/16/2014			
Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg			
Compound	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		
Aluminum	9,310		11,500		8,830		6,350		6,700		7,970		4,530		6,100		5,990		15,400		NS	NS
Antimony	0.56	U	0.66	U	1.86		1.29		0.59	U	0.58	U	0.60		0.69	U	0.80		0.66	U	NS	NS
Arsenic	2.35		5.99		9.54		10.60		8.48		7.59		25.80		11.60		23.10		3.65		13	16
Barium	63.20		74.50		255		363		79.60		45.40		198		162		468		72.30		350	400
Beryllium	0.11	U	0.13	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.14	U	0.11	U	0.13	U	7.2	72
Cadmium	1.00		11.80		0.83		0.46		0.59		0.51		1.47		0.41	U	1.48		0.40		2.5	4.3
Calcium	12,200		5,260		5,360		2,550		35,500		13,200		58,600		6,460		18,900		3,020		NS	NS
Chromium, Trivalent	15.60		17.80		20.50		17.50		10.90		12.90		13		21.20		21.20		12.40		30	180
Chromium, Hexavalent	0.56	U	0.66	U	0.60	U	0.60	U	0.59	U	0.58	U	0.58	U	0.69	U	0.54	U	0.66	U	1	110
Cobalt	4.42		5.04		6.36		5.52		4.19		5.94		7.91		9.44		6.82		5.13		NS	NS
Copper	20.50		49.50		65.10		66.70		29.20		188		46.10		51.40		44.60		14.20		50	270
Iron	8,850		12,900		15,100		13,100		9,630		14,500		13,300		9,750		16,200		12,200		NS	NS
Lead	86.70		441		417		900		121		141		140		230		208		41.10		63	400
Magnesium	3,150		2,170		2,200		1,210		18,800		1,510		30,700		490		5,290		2,130		NS	NS
Manganese	92.30		145		288		170		219		364		319		95.20		266		72.30		1600	2000
Mercury	0.037	U	0.044	U	0.039	U	0.040	U	0.039	U	0.039	U	0.038	U	0.046	U	0.036	U	0.043	U	0.18	0.81
Nickel	15.60		18.80		21.90		20		12.60		17.60		28.10		26.10		27.20		17.80		30	310
Potassium	1,130		921		729		794		461		557		695		553		659		861		NS	NS
Selenium	1.12	U	1.32	U	1.19	U	1.20	U	1.18	U	1.17	U	1.15	U	1.38	U	1.09	U	1.32	U	3.9	180
Silver	0.56	U	0.66	U	0.60	U	0.60	U	0.59	U	0.58	U	0.58	U	0.69	U	0.54	U	0.66	U	2	180
Sodium	603		311		266		231		169		131		265		301		180		157		NS	NS
Thallium	1.12	U	1.32	U	1.19	U	1.20	U	1.18	U	1.17	U	1.15	U	1.38	U	1.09	U	1.32	U	NS	NS
Vanadium	19.70		21.30		30.80		29.20		18.10		22.90		28.30		32.40		25.90		17.70		NS	NS
Zinc	123		107		230		187		59.10		181		140		103		234		105		109	10000

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B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
NT=this indicates the analyte was not a target for this sample
NS=this indicates that no regulatory limit has been established for this analyte
Grey shaded values represent concentration exceeding Unrestricted Use SCO
Blue shaded values represent concentration exceeding Restricted Residnetial SCO

Table 2 (Cont.)
Blanks Analytical Results for VOCs
100 Union Avenue, Brooklyn, NY

Sample ID	Field Blank		Field blank	
Sampling Date	**4/16/2014**		**4/16/2014**	
Matrix	**DI Water**		**DI Water**	
Units	**ug/L**		**ug/L**	
Compound	**Result**	**Q**	**Result**	**Q**
1,1,1-Trichloroethane	0.20	U	0.20	U
1,1-Dichloroethane	0.20	U	0.20	U
1,1-Dichloroethylene	0.20	U	0.20	U
1,2,4-Trimethylbenzene	0.20	U	0.20	U
1,2-Dichlorobenzene	0.20	U	0.20	U
1,2-Dichloroethane	0.20	U	0.20	U
1,3,5-Trimethylbenzene	0.20	U	0.20	U
1,3-Dichlorobenzene	0.20	U	0.20	U
1,4-Dichlorobenzene	0.20	U	1	
1,4-Dioxane	40	U	40	U
2-Butanone	0.50	U	0.50	U
Acetone	1	U	1	U
Benzene	0.20	U	0.20	U
Carbon tetrachloride	0.20	U	0.20	U
Chlorobenzene	0.20	U	0.20	U
Chloroform	0.20	U	0.20	U
cis-1,2-Dichloroethylene	0.20	U	0.20	U
Ethyl Benzene	0.20	U	0.20	U
Methyl tert-butyl ether (MTBE)	0.20	U	0.20	U
Methylene chloride	1	U	1	U
n-Butylbenzene	0.20	U	0.20	U
n-Propylbenzene	0.20	U	0.20	U
o-Xylene	0.20	U	0.20	U
p- & m- Xylenes	0.50	U	0.50	U
sec-Butylbenzene	0.20	U	0.20	U
tert-Butylbenzene	0.20	U	0.20	U
Tetrachloroethylene	0.20	U	0.20	U
Toluene	0.20	U	0.20	U
trans-1,2-Dichloroethylene	0.20	U	0.20	U
Trichloroethylene	0.20	U	0.20	U
Vinyl Chloride	0.50	U	0.50	U
Xylenes, Total	0.60	U	0.60	U

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B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

NT=this indicates the analyte was not a target for this sample

Table 2 (Cont.)
Blanks Analytical Results for SVOCs
100 Union Avenue, Brooklyn, NY

Sample ID	Field Blank		Field blank	
Sampling Date	**4/16/2014**		**4/16/2014**	
Matrix	**DI Water**		**DI Water**	
Units	**ug/L**		**ug/L**	
Compound	**Result**	**Q**	**Result**	**Q**
2-Methylphenol	2.56	U	NT	
3- & 4-Methylphenols	2.56	U	NT	
Acenaphthene	0.051	U	NT	
Acenaphthylene	0.051	U	NT	
Anthracene	0.051	U	NT	
Benzo(a)anthracene	0.051	U	NT	
Benzo(a)pyrene	0.051	U	NT	
Benzo(b)fluoranthene	0.051	U	NT	
Benzo(g,h,i)perylene	0.051	U	NT	
Benzo(k)fluoranthene	0.051	U	NT	
Chrysene	0.051	U	NT	
Dibenzo(a,h)anthracene	0.051	U	NT	
Dibenzofuran	2.56	U	NT	
Fluoranthene	0.051	U	NT	
Fluorene	0.051	U	NT	
Hexachlorobenzene	0.021	U	NT	
Indeno(1,2,3-cd)pyrene	0.051	U	NT	
Naphthalene	0.051	U	NT	
Pentachlorophenol	0.26	U	NT	
Phenanthrene	0.051	U	NT	
Phenol	2.56	U	NT	
Pyrene	0.051	U	NT	

NOTES:

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U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

NT=this indicates the analyte was not a target for this sample

Table 2 (Cont.)
Blanks Analytical Results for Pesticides and PCBs
100 Union Avenue, Brooklyn, NY

Sample ID	Field Blank		Field blank	
Sampling Date	**4/16/2014**		**4/16/2014**	
Matrix	**DI Water**		**DI Water**	
Units	**ug/L**		**ug/L**	
Compound	**Result**	**Q**	**Result**	**Q**
Pesticides				
4,4'-DDD	**0.0040**	**U**	**NT**	
4,4'-DDE	**0.0040**	**U**	**NT**	
4,4'-DDT	**0.0040**	**U**	**NT**	
Aldrin	**0.0040**	**U**	**NT**	
alpha-BHC	**0.0040**	**U**	**NT**	
alpha-Chlordane	**0.0040**	**U**	**NT**	
beta-BHC	**0.0040**	**U**	**NT**	
delta-BHC	**0.0040**	**U**	**NT**	
Dieldrin	**0.0020**	**U**	**NT**	
Endosulfan I	**0.0040**	**U**	**NT**	
Endosulfan II	**0.0040**	**U**	**NT**	
Endosulfan sulfate	**0.0040**	**U**	**NT**	
Endrin	**0.0040**	**U**	**NT**	
gamma-BHC (Lindane)	**0.0040**	**U**	**NT**	
Heptachlor	**0.0040**	**U**	**NT**	
Polychlorinated Biphenyls (PCB)				
Aroclor 1016	**0.050**	**U**	**NT**	
Aroclor 1221	**0.050**	**U**	**NT**	
Aroclor 1232	**0.050**	**U**	**NT**	
Aroclor 1242	**0.050**	**U**	**NT**	
Aroclor 1248	**0.050**	**U**	**NT**	
Aroclor 1254	**0.050**	**U**	**NT**	
Aroclor 1260	**0.050**	**U**	**NT**	
Total PCBs	**0.050**	**U**	**NT**	

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U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

NT=this indicates the analyte was not a target for this sample

Table 2 (Cont.)
Blanks Analytical Results for TAL Metals
100 Union Avenue, Brooklyn, NY

Sample ID	Field Blank		Field blank	
Sampling Date	**4/16/2014**		**4/16/2014**	
Matrix	**DI Water**		**DI Water**	
Units	**ug/L**		**ug/L**	
Compound	**Result**	**Q**	**Result**	**Q**
Aluminum	**10**	**U**	**NT**	
Antimony	**5**	**U**	**NT**	
Arsenic	**4**	**U**	**NT**	
Barium	**10**	**U**	**NT**	
Beryllium	**1**	**U**	**NT**	
Cadmium	**3**	**U**	**NT**	
Calcium	**50**	**U**	**NT**	
Chromium, Trivalent	**10**	**U**	**NT**	
Chromium, Hexavalent	**10**	**U**	**NT**	
Cobalt	**5**	**U**	**NT**	
Copper	**3**	**U**	**NT**	
Iron	**20**	**U**	**NT**	
Lead	**3**	**U**	**NT**	
Magnesium	**50**	**U**	**NT**	
Manganese	**5**	**U**	**NT**	
Mercury	**0.20**	**U**	**NT**	
Nickel	**5**	**U**	**NT**	
Potassium	**52**		**NT**	
Selenium	**10**	**U**	**NT**	
Silver	**5**	**U**	**NT**	
Sodium	**100**	**U**	**NT**	
Thallium	**5**	**U**	**NT**	
Vanadium	**10**	**U**	**NT**	
Zinc	**14**		**NT**	

NOTES:

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B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

NT=this indicates the analyte was not a target for this sample

Table 3
Groundwater Samples Analytical Results for VOCs
100 Union Avenue, Brookly, NY

Sample ID	MW-1		MW-2		MW-3		Field Blank		Trip Blank		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	4/23/2014		4/23/2014		4/23/2014		4/23/2014		4/23/2014		
Matrix	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
Units	ug/L		ug/L		ug/L		ug/L		ug/L		
Compound	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	
1,1,1,2-Tetrachloroethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
1,1,1-Trichloroethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
1,1,2,2-Tetrachloroethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
1,1,2-Trichloroethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	1
1,1-Dichloroethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
1,1-Dichloroethylene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
1,1-Dichloropropylene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
1,2,3-Trichlorobenzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
1,2,3-Trichloropropane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	0.04
1,2,4-Trichlorobenzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
1,2,4-Trimethylbenzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
1,2-Dibromo-3-chloropropane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	0.04
1,2-Dibromoethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
1,2-Dichlorobenzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	3
1,2-Dichloroethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	0.6
1,2-Dichloropropane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	1
1,3,5-Trimethylbenzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
1,3-Dichlorobenzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	3
1,3-Dichloropropane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
1,4-Dichlorobenzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	3
2,2-Dichloropropane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
2-Butanone	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	50
2-Chlorotoluene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
4-Chlorotoluene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Acetone	2.50	U	2.50	U	2.50	U	3	JB	2.80	JB	50
Benzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	1
Bromobenzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Bromochloromethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Bromodichloromethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	50
Bromoform	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	50
Bromomethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Carbon tetrachloride	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Chlorobenzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Chloroethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Chloroform	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	7
Chloromethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
cis-1,2-Dichloroethylene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
cis-1,3-Dichloropropylene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	0.4
Dibromochloromethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	50
Dibromomethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	NS
Dichlorodifluoromethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Ethyl Benzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Hexachlorobutadiene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	0.5
Isopropylbenzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Methyl tert-butyl ether (MTBE)	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	10
Methylene chloride	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Naphthalene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	10
n-Butylbenzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
n-Propylbenzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
o-Xylene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
p- & m- Xylenes	5	U	5	U	5	U	5	U	5	U	5
p-Isopropyltoluene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
sec-Butylbenzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Styrene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
tert-Butylbenzene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Tetrachloroethylene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Toluene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
trans-1,2-Dichloroethylene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
trans-1,3-Dichloropropylene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	0.4
Trichloroethylene	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Trichlorofluoromethane	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	5
Vinyl acetate	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	NS
Vinyl Chloride	2.50	U	2.50	U	2.50	U	2.50	U	2.50	U	2

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Grey shaded cell represent a concentration exceeding the GQS

Table 3 (Cont.)
Groundwater Samples Analytical Results for VOCs
100 Union Avenue, Brookly, NY

Sample ID	MW-4		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	5/7/2014		
Matrix	Groundwater		
Units	ug/L		
Compound	Result	Q	
Volatile Organics, 8260 List - Low Level			
1,1,1,2-Tetrachloroethane	0.20	U	5
1,1,1-Trichloroethane	0.20	U	5
1,1,2,2-Tetrachloroethane	0.20	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon	0.20	U	5
1,1,2-Trichloroethane	0.20	U	1
1,1-Dichloroethane	0.20	U	5
1,1-Dichloroethylene	0.20	U	5
1,1-Dichloropropylene	0.20	U	5
1,2,3-Trichlorobenzene	0.20	U	5
1,2,3-Trichloropropane	0.20	U	0.04
1,2,4,5-Tetramethylbenzene	0.35	JB	NS
1,2,4-Trichlorobenzene	0.20	U	5
1,2,4-Trimethylbenzene	1.20		5
1,2-Dibromo-3-chloropropane	0.20	U	0.04
1,2-Dibromoethane	0.20	U	5
1,2-Dichlorobenzene	0.20	U	3
1,2-Dichloroethane	0.20	U	0.6
1,2-Dichloropropane	0.20	U	1
1,3,5-Trimethylbenzene	0.50		5
1,3-Dichlorobenzene	0.20	U	3
1,3-Dichloropropane	0.20	U	5
1,4-Dichlorobenzene	0.20	U	3
2,2-Dichloropropane	0.20	U	5
2-Butanone	0.50	U	50
2-Chlorotoluene	0.20	U	5
2-Hexanone	0.20	U	50
4-Chlorotoluene	0.20	U	5
4-Methyl-2-pentanone	0.20	U	NS
Acetone	1	U	50
Benzene	0.20	U	1
Bromobenzene	0.20	U	5
Bromochloromethane	0.20	U	5
Bromodichloromethane	0.20	U	50
Bromoform	0.20	U	50
Bromomethane	0.20	U	5
Carbon disulfide	0.20	U	NS
Carbon tetrachloride	0.20	U	5
Chlorobenzene	0.20	U	5
Chloroethane	0.20	U	5
Chloroform	0.20	U	7
Chloromethane	0.20	U	5
cis-1,2-Dichloroethylene	0.20	U	5
cis-1,3-Dichloropropylene	0.20	U	0.4
Dibromochloromethane	0.20	U	50
Dibromomethane	0.20	U	NS
Dichlorodifluoromethane	0.20	U	5
Ethyl Benzene	0.20	U	5
Hexachlorobutadiene	0.20	U	0.5
Isopropylbenzene	0.20	U	5
Methyl tert-butyl ether (MTBE)	0.34	J	10
Methylene chloride	11		5
Naphthalene	1	U	10
n-Butylbenzene	0.20	U	5
n-Propylbenzene	0.20	U	5
o-Xylene	0.25	J	5
p- & m- Xylenes	0.50	J	5
p-Diethylbenzene	0.20	U	NS
p-Ethyltoluene	0.50		NS
p-Isopropyltoluene	0.20	U	5
sec-Butylbenzene	0.20	U	5
Styrene	0.20	U	5
tert-Butylbenzene	0.20	U	5
Tetrachloroethylene	19		5
Toluene	1.30		5
trans-1,2-Dichloroethylene	0.20	U	5
trans-1,3-Dichloropropylene	0.20	U	0.4
Trichloroethylene	0.20	U	5
Trichlorofluoromethane	0.20	U	5
Vinyl Chloride	0.50	U	2

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Grey shaded cell represent a concentration exceeding the GQS

Table 3 (Cont.)
Groundwater Samples Analytical Results for SVOCs
100 Union Avenue, Brookly, NY

Sample ID	MW-1		MW-2		MW-3		Field Blank		Trip Blank		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	4/23/2014		4/23/2014		4/23/2014		4/23/2014		4/23/2014		
Matrix	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
Units	ug/L		ug/L		ug/L		ug/L		ug/L		
Compound	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	
1,2,4-Trichlorobenzene	2.56	U	2.50	U	2.50	U	2.56	U	NT		5
1,2-Dichlorobenzene	2.56	U	2.50	U	2.50	U	2.56	U	NT		3
1,3-Dichlorobenzene	2.56	U	2.50	U	2.50	U	2.56	U	NT		3
1,4-Dichlorobenzene	2.56	U	2.50	U	2.50	U	2.56	U	NT		3
2,4,5-Trichlorophenol	2.56	U	2.50	U	2.50	U	2.56	U	NT		1
2,4,6-Trichlorophenol	2.56	U	2.50	U	2.50	U	2.56	U	NT		1
2,4-Dichlorophenol	2.56	U	2.50	U	2.50	U	2.56	U	NT		5
2,4-Dimethylphenol	2.56	U	2.50	U	2.50	U	2.56	U	NT		50
2,4-Dinitrophenol	2.56	U	2.50	U	2.50	U	2.56	U	NT		10
2,4-Dinitrotoluene	2.56	U	2.50	U	2.50	U	2.56	U	NT		5
2,6-Dinitrotoluene	2.56	U	2.50	U	2.50	U	2.56	U	NT		5
2-Chloronaphthalene	2.56	U	2.50	U	2.50	U	2.56	U	NT		10
2-Chlorophenol	2.56	U	2.50	U	2.50	U	2.56	U	NT		1
2-Methylnaphthalene	2.56	U	2.50	U	2.50	U	2.56	U	NT		NS
2-Methylphenol	2.56	U	2.50	U	2.50	U	2.56	U	NT		1
2-Nitroaniline	2.56	U	2.50	U	2.50	U	2.56	U	NT		5
2-Nitrophenol	2.56	U	2.50	U	2.50	U	2.56	U	NT		1
3- & 4-Methylphenols	2.56	U	2.50	U	2.50	U	2.56	U	NT		NS
3,3'-Dichlorobenzidine	2.56	U	2.50	U	2.50	U	2.56	U	NT		5
3-Nitroaniline	2.56	U	2.50	U	2.50	U	2.56	U	NT		5
4,6-Dinitro-2-methylphenol	2.56	U	2.50	U	2.50	U	2.56	U	NT		NS
4-Bromophenyl phenyl ether	2.56	U	2.50	U	2.50	U	2.56	U	NT		NS
4-Chloro-3-methylphenol	2.56	U	2.50	U	2.50	U	2.56	U	NT		1
4-Chloroaniline	2.56	U	2.50	U	2.50	U	2.56	U	NT		5
4-Chlorophenyl phenyl ether	2.56	U	2.50	U	2.50	U	2.56	U	NT		NS
4-Nitroaniline	2.56	U	2.50	U	2.50	U	2.56	U	NT		5
4-Nitrophenol	2.56	U	2.50	U	2.50	U	2.56	U	NT		1
Acenaphthene	0.051	U	0.050	U	0.050	U	0.051	U	NT		20
Acenaphthylene	0.051	U	0.050	U	0.050	U	0.051	U	NT		NS
Aniline	2.56	U	2.50	U	2.50	U	2.56	U	NT		5
Anthracene	0.051	U	0.050	U	0.050	U	0.051	U	NT		50
Benzo(a)anthracene	0.051	U	0.050	U	0.050	U	0.051	U	NT		0.002
Benzo(a)pyrene	0.051	U	0.050	U	0.050	U	0.051	U	NT		0.002
Benzo(b)fluoranthene	0.051	U	0.050	U	0.050	U	0.051	U	NT		0.002
Benzo(g,h,i)perylene	0.051	U	0.050	U	0.050	U	0.051	U	NT		NS
Benzo(k)fluoranthene	0.051	U	0.050	U	0.050	U	0.051	U	NT		0.002
Benzyl alcohol	2.56	U	2.50	U	2.50	U	2.56	U	NT		NS
Benzyl butyl phthalate	2.56	U	2.50	U	2.50	U	2.56	U	NT		50
Bis(2-chloroethoxy)methane	2.56	U	2.50	U	2.50	U	2.56	U	NT		5
Bis(2-chloroethyl)ether	2.56	U	2.50	U	2.50	U	2.56	U	NT		1
Bis(2-chloroisopropyl)ether	2.56	U	2.50	U	2.50	U	2.56	U	NT		5
Bis(2-ethylhexyl)phthalate	1.11		0.92		50.10		0.76		NT		5
Chrysene	0.051	U	0.050	U	0.050	U	0.051	U	NT		0.002
Dibenzo(a,h)anthracene	0.051	U	0.050	U	0.050	U	0.051	U	NT		NS
Dibenzofuran	2.56	U	2.50	U	2.50	U	2.56	U	NT		NS
Diethyl phthalate	2.56	U	2.50	U	2.50	U	2.56	U	NT		50
Dimethyl phthalate	2.56	U	2.50	U	2.50	U	2.56	U	NT		50
Di-n-butyl phthalate	2.56	U	2.50	U	2.50	U	2.56	U	NT		50
Di-n-octyl phthalate	2.56	U	2.50	U	2.50	U	2.56	U	NT		50
Fluoranthene	0.051	U	0.050	U	0.050	U	0.051	U	NT		50
Fluorene	0.051	U	0.050	U	0.050	U	0.40		NT		50
Hexachlorobenzene	0.021	U	0.020	U	0.020	U	0.021	U	NT		0.04
Hexachlorobutadiene	0.51	U	0.50	U	0.50	U	0.51	U	NT		0.5
Hexachlorocyclopentadiene	2.56	U	2.50	U	2.50	U	2.56	U	NT		5
Hexachloroethane	0.51	U	0.50	U	0.50	U	0.51	U	NT		5
Indeno(1,2,3-cd)pyrene	0.051	U	0.050	U	0.050	U	0.051	U	NT		0.002
Isophorone	2.56	U	2.50	U	2.50	U	2.56	U	NT		50
Naphthalene	0.051	U	0.050	J	0.050	U	0.051	U	NT		10
Nitrobenzene	0.26	U	0.25	U	0.25	U	0.26	U	NT		0.4
N-Nitrosodimethylamine	0.51	U	0.50	U	0.50	U	0.51	U	NT		NS
N-nitroso-di-n-propylamine	2.56	U	2.50	U	2.50	U	2.56	U	NT		NS
N-Nitrosodiphenylamine	2.56	U	2.50	U	2.50	U	2.56	U	NT		50
Pentachlorophenol	0.26	U	0.25	U	0.25	U	0.26	U	NT		1
Phenanthrene	0.051	U	0.050	U	0.050	U	0.051	U	NT		50
Phenol	2.56	U	2.50	U	2.50	U	2.56	U	NT		1
Pyrene	0.051	U	0.11		0.050	U	0.051	U	NT		50
Pyridine	2.56	U	2.50	U	2.50	U	2.56	U	NT		50

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Table 3 (Cont.)
Groundwater Samples Analytical Results for SVOCs
100 Union Avenue, Brookly, NY

Sample ID	MW-4		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	5/7/2014		
Matrix	Groundwater		
Units	ug/L		
Compound	Result	Q	
1,2,4-Trichlorobenzene	2.47	U	5
1,2-Dichlorobenzene	2.49	U	3
1,3-Dichlorobenzene	2.61	U	3
1,4-Dichlorobenzene	2.21	U	3
2,4-Dinitrotoluene	1.61	U	5
2,6-Dinitrotoluene	1.61	U	5
2-Chloronaphthalene	2.20	U	10
2-Methylnaphthalene	2.76	U	NS
2-Nitroaniline	1.68	U	5
3,3'-Dichlorobenzidine	1.27	U	5
3-Nitroaniline	1.68	U	5
4-Bromophenyl phenyl ether	1.33	U	NS
4-Chloroaniline	2.98	U	5
4-Chlorophenyl phenyl ether	2.45	U	NS
4-Nitroaniline	2.68	U	5
Acenaphthene	0.080		20
Acenaphthylene	0.050	U	NS
Aniline	1.50	U	5
Anthracene	0.080		50
Benzo(a)anthracene	0.050	U	0.002
Benzo(a)pyrene	0.050	U	0.002
Benzo(b)fluoranthene	0.050	U	0.002
Benzo(g,h,i)perylene	0.050	U	NS
Benzo(k)fluoranthene	0.050	U	0.002
Benzyl butyl phthalate	0.85	U	50
Bis(2-chloroethoxy)methane	1.77	U	5
Bis(2-chloroethyl)ether	1.50	U	1
Bis(2-chloroisopropyl)ether	2.99	U	5
Bis(2-ethylhexyl)phthalate	2.69		5
Carbazole	1.31	U	NS
Chrysene	0.050	U	0.002
Dibenzo(a,h)anthracene	0.050	U	NS
Dibenzofuran	2.41	U	NS
Diethyl phthalate	2.56	U	50
Dimethyl phthalate	1.91	U	50
Di-n-butyl phthalate	2.05	U	50
Di-n-octyl phthalate	1.12	U	50
Fluoranthene	0.090		50
Fluorene	0.090		50
Hexachlorobenzene	0.020	U	0.04
Hexachlorobutadiene	0.50	U	0.5
Hexachlorocyclopentadiene	2.53	U	5
Hexachloroethane	0.50	U	5
Indeno(1,2,3-cd)pyrene	0.050	U	0.002
Isophorone	2.68	U	50
Naphthalene	0.19		10
Nitrobenzene	0.25	U	0.4
N-Nitrosodimethylamine	0.50	U	NS
N-nitroso-di-n-propylamine	2.56	U	NS
N-Nitrosodiphenylamine	5	U	50
Phenanthrene	0.19		50
Pyrene	0.070		50
Pyridine	3.91	U	50

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Table 3 (Cont.)
Groundwater Samples Analytical Results for TAL Metals
100 Union Avenue, Brookly, NY

Sample ID	MW-1		MW-2		MW-3		Field Blank		Trip Blank		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	4/23/2014		4/23/2014		4/23/2014		4/23/2014		4/23/2014		
Matrix	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
Units	ug/L		ug/L		ug/L		ug/L		ug/L		
Compound	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	
Target Analyte Metals											
Aluminum	150		1,060		337		10	U	NT		NS
Antimony	5	U	5	U	5	U	5	U	NT		3
Arsenic	4	U	4	U	4	U	4	U	NT		25
Barium	128		73		30		10	U	NT		1000
Beryllium	1	U	1	U	1	U	1	U	NT		3
Cadmium	3	U	3	U	3	U	3	U	NT		5
Calcium	133,000		599,000		232,000		50	U	NT		NS
Chromium	5	U	5	U	5	U	5	U	NT		50
Chromium, Hexavalent	10	U	10	U	10	U	10	U	NT		50
Chromium, Trivalent	10	U	10	U	10	U	10	U	NT		50
Cobalt	5	U	5	U	5	U	5	U	NT		NS
Copper	3	U	44		44		3	U	NT		200
Iron	1,910		9,000		544		20	U	NT		NS
Lead	5		92		3	U	3	U	NT		25
Magnesium	4,450		11,700		96,600		50	U	NT		35000
Manganese	807		1,470		614		5	U	NT		300
Mercury	0.20	U	0.30		0.20	U	0.20	U	NT		0.7
Nickel	5	U	6		7		5	U	NT		100
Potassium	5,470		8,500		11,800		50	U	NT		NS
Selenium	10	U	10		37		10	U	NT		10
Silver	5	U	5	U	5	U	5	U	NT		50
Sodium	11,300		12,200		31,400		100	U	NT		20000
Thallium	5	U	5	U	5	U	5	U	NT		NS
Vanadium	10	U	10	U	10	U	10	U	NT		NS
Zinc	64		92		80		10	U	NT		2000
Dissolved Target Analyte Metals											
Aluminum	11		13		10	U	10	U	NT		NS
Antimony	5	U	5	U	5	U	5	U	NT		3
Arsenic	4	U	4	U	4	U	4	U	NT		25
Barium	117		41		28		10	U	NT		1000
Beryllium	1	U	1	U	1	U	1	U	NT		3
Cadmium	3	U	3	U	3	U	3	U	NT		5
Calcium	132,000		590,000		233,000		50	U	NT		NS
Chromium	5	U	5	U	5	U	5	U	NT		50
Chromium, Hexavalent	10	U	10	U	10	U	10	U	NT		50
Chromium, Trivalent	10	U	10	U	10	U	10	U	NT		50
Cobalt	5	U	5	U	5	U	5	U	NT		NS
Copper	3	U	3	U	25		3	U	NT		200
Iron	24		20	U	20	U	20	U	NT		NS
Lead	3	U	4		3	U	3	U	NT		25
Magnesium	4,440		9,540		96,500		50	U	NT		35000
Manganese	809		950		618		5	U	NT		300
Mercury	0.20	U	0.20	U	0.20	U	0.20	U	NT		0.7
Nickel	5	U	5	U	6		5	U	NT		100
Potassium	5,360		7,640		11,500		52		NT		NS
Selenium	10	U	16		47		10	U	NT		10
Silver	5	U	5	U	5	U	5	U	NT		50
Sodium	11,100		10,300		31,400		100	U	NT		20000
Thallium	5	U	5	U	5	U	5	U	NT		NS
Vanadium	10	U	10	U	10	U	10	U	NT		NS
Zinc	57		65		71		10		NT		2000

NOTES:
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
NT=this indicates the analyte was not a target for this sample
NS=this indicates that no regulatory limit has been established for this analyte
Grey shaded cell represent a concentration exceeding the GQS

Table 3 (Cont.)
Groundwater Samples Analytical Results for TAL Metals
100 Union Avenue, Brookly, NY

Sample ID	MW-1		MW-2		MW-3		Field Blank		Trip Blank		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	4/23/2014		4/23/2014		4/23/2014		4/23/2014		4/23/2014		
Matrix	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		
Units	ug/L		ug/L		ug/L		ug/L		ug/L		
Compound	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	
Target Analyte Metals											
Aluminum	150		1,060		337		10	U	NT		NS
Antimony	5	U	5	U	5	U	5	U	NT		3
Arsenic	4	U	4	U	4	U	4	U	NT		25
Barium	128		73		30		10	U	NT		1000
Beryllium	1	U	1	U	1	U	1	U	NT		3
Cadmium	3	U	3	U	3	U	3	U	NT		5
Calcium	133,000		599,000		232,000		50	U	NT		NS
Chromium	5	U	5	U	5	U	5	U	NT		50
Chromium, Hexavalent	10	U	10	U	10	U	10	U	NT		50
Chromium, Trivalent	10	U	10	U	10	U	10	U	NT		50
Cobalt	5	U	5	U	5	U	5	U	NT		NS
Copper	3	U	44		44		3	U	NT		200
Iron	1,910		9,000		544		20	U	NT		NS
Lead	5		92		3	U	3	U	NT		25
Magnesium	4,450		11,700		96,600		50	U	NT		35000
Manganese	807		1,470		614		5	U	NT		300
Mercury	0.20	U	0.30		0.20	U	0.20	U	NT		0.7
Nickel	5	U	6		7		5	U	NT		100
Potassium	5,470		8,500		11,800		50	U	NT		NS
Selenium	10	U	10		37		10	U	NT		10
Silver	5	U	5	U	5	U	5	U	NT		50
Sodium	11,300		12,200		31,400		100	U	NT		20000
Thallium	5	U	5	U	5	U	5	U	NT		NS
Vanadium	10	U	10	U	10	U	10	U	NT		NS
Zinc	64		92		80		10	U	NT		2000
Dissolved Target Analyte Metals											
Aluminum	11		13		10	U	10	U	NT		NS
Antimony	5	U	5	U	5	U	5	U	NT		3
Arsenic	4	U	4	U	4	U	4	U	NT		25
Barium	117		41		28		10	U	NT		1000
Beryllium	1	U	1	U	1	U	1	U	NT		3
Cadmium	3	U	3	U	3	U	3	U	NT		5
Calcium	132,000		590,000		233,000		50	U	NT		NS
Chromium	5	U	5	U	5	U	5	U	NT		50
Chromium, Hexavalent	10	U	10	U	10	U	10	U	NT		50
Chromium, Trivalent	10	U	10	U	10	U	10	U	NT		50
Cobalt	5	U	5	U	5	U	5	U	NT		NS
Copper	3	U	3	U	25		3	U	NT		200
Iron	24		20	U	20	U	20	U	NT		NS
Lead	3	U	4		3	U	3	U	NT		25
Magnesium	4,440		9,540		96,500		50	U	NT		35000
Manganese	809		950		618		5	U	NT		300
Mercury	0.20	U	0.20	U	0.20	U	0.20	U	NT		0.7
Nickel	5	U	5	U	6		5	U	NT		100
Potassium	5,360		7,640		11,500		52		NT		NS
Selenium	10	U	16		47		10	U	NT		10
Silver	5	U	5	U	5	U	5	U	NT		50
Sodium	11,100		10,300		31,400		100	U	NT		20000
Thallium	5	U	5	U	5	U	5	U	NT		NS
Vanadium	10	U	10	U	10	U	10	U	NT		NS
Zinc	57		65		71		10		NT		2000

NOTES:
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
NT=this indicates the analyte was not a target for this sample
NS=this indicates that no regulatory limit has been established for this analyte
Grey shaded cell represent a concentration exceeding the GQS

Table 4
Soil Vapor Analytical Results
100 Union Avenue, Brookly, NY

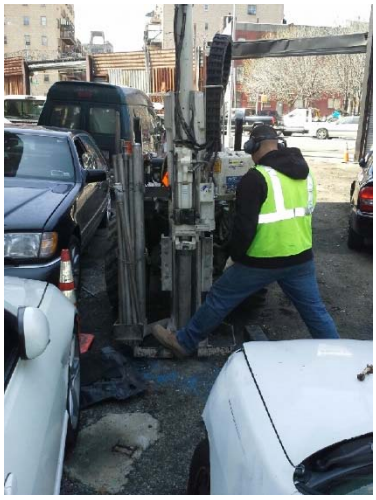
	SV-1		SV-2		SV-3		SV-4		AO-1	
Sampling Date	4/21/2014		4/21/2014		4/21/2014		4/21/2014		4/21/2014	
Matrix	Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Outdoor Ambient Air	
Unit	ug/m³		ug/m³		ug/m³		ug/m³		ug/m³	
Compound	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,1,1-Trichloroethane	0.55	U	**4.40**		**12**		**1.70**		0.55	U
1,1,2,2-Tetrachloroethane	0.70	U	0.70	U	0.70	U	0.70	U	0.70	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.78	U	0.78	U	0.78	U	0.78	U	0.78	U
1,1,2-Trichloroethane	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
1,1-Dichloroethane	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
1,1-Dichloroethylene	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
1,2,4-Trichlorobenzene	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
1,2,4-Trimethylbenzene	**200**	D	**170**	D	0.50	U	**13**		**1.10**	
1,2-Dibromoethane	0.78	U	0.78	U	0.78	U	0.78	U	0.78	U
1,2-Dichlorobenzene	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U
1,2-Dichloroethane	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U
1,2-Dichloropropane	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
1,2-Dichlorotetrafluoroethane	0.71	U	0.71	U	0.71	U	0.71	U	0.71	U
1,3,5-Trimethylbenzene	**50**		**46**		**44**		**3.40**		0.50	U
1,3-Butadiene	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U
1,3-Dichlorobenzene	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U
1,4-Dichlorobenzene	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U
1,4-Dioxane	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
2-Butanone	**1.20**		**4**		**52**		**76**	D	**2.20**	
2-Hexanone	0.83	U	0.83	U	23		**37**		0.83	U
4-Methyl-2-pentanone	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
Acetone	**12**	B	**13**	B	**570**	BD	**730**	BD	**13**	B
Benzene	**2.30**		**6.60**		**3.80**		0.32	U	**1.60**	
Benzyl chloride	0.53	U	0.53	U	0.53	U	0.53	U	0.53	U
Bromodichloromethane	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U
Bromoform	1.10	U	1.10	U	1.10	U	1.10	U	1.10	U
Bromomethane	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U
Carbon disulfide	0.32	U	**0.38**		**1.30**		**6**		0.32	U
Carbon tetrachloride	0.16	U	0.16	U	3.60		0.16	U	0.16	U
Chlorobenzene	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
Chloroethane	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U
Chloroform	**1.80**		**1.90**		**1.10**		0.50	U	0.50	U
Chloromethane	0.21	U	0.21	U	0.21	U	0.21	U	**1.20**	
cis-1,2-Dichloroethylene	**3.50**		**1.10**		0.40	U	0.40	U	0.40	U
cis-1,3-Dichloropropylene	0.46	U	0.46	U	0.46	U	0.46	U	0.46	U
Cyclohexane	**1.50**		**3.60**		**2.40**		0.35	U	**0.49**	
Dibromochloromethane	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Dichlorodifluoromethane	**1.80**		**1.80**		**1.60**		1.90		**1.90**	
Ethyl acetate	0.73	U	0.73	U	0.73	U	**0.77**		**0.77**	
Ethyl Benzene	**43**		**62**		**45**		**2.60**		**0.75**	
Hexachlorobutadiene	1.10	U	1.10	U	1.10	U	1.10	U	1.10	U
Isopropanol	**3.80**		**16**		**10**		**13**		**4.60**	
Methyl Methacrylate	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
Methyl tert-butyl ether (MTBE)	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Methylene chloride	**3.40**		**14**		**3.30**		0.71	U	**1.90**	
n-Heptane	**9.70**		**21**		**14**		**3.30**		**0.92**	
n-Hexane	**6.30**		**16**		**10**		**1.90**		**2.10**	
o-Xylene	**88**		**110**		**86**		**5.90**		**0.88**	
p- & m- Xylenes	**48**		**70**		**51**		**11**		**2.30**	
p-Ethyltoluene	**170**	D	**150**	D	**140**	D	**8.20**		**1**	
Propylene	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Styrene	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Tetrachloroethylene	**920**	D	**520**	D	**1.20**		**1.90**		**1.70**	
Tetrahydrofuran	0.30	U	**25**		0.30	U	**4**		**1.80**	
Toluene	**61**		**98**	D	**77**		**6.20**		**5.10**	
trans-1,2-Dichloroethylene	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
trans-1,3-Dichloropropylene	0.46	U	0.46	U	0.46	U	0.46	U	0.46	U
Trichloroethylene	**47**		**2.70**		0.14	U	0.14	U	0.14	U
Trichlorofluoromethane (Freon 11)	**1.80**		**2.50**		**1.80**		**1.90**		**1.50**	
Vinyl acetate	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
Vinyl Chloride	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U

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E=result is estimated and cannot be accurately reported due to levels encountered or interference
NT=this indicates the analyte was not a target for this sample

APPENDICES

APPENDIX-A
PREVIOUS INVESTIGATIONS (CD-ROM)

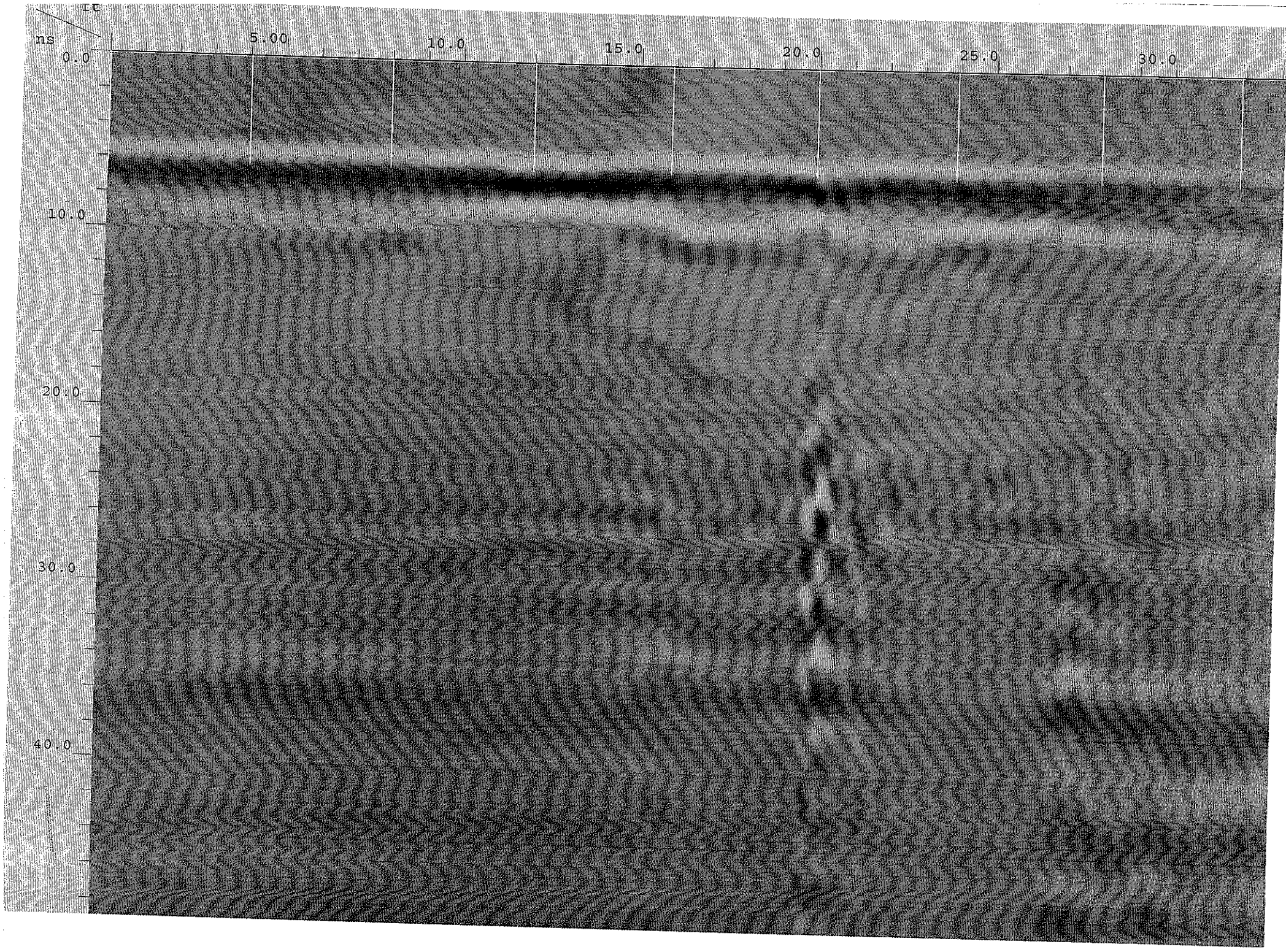
APPENDIX-B
PHOTOGRAPHS

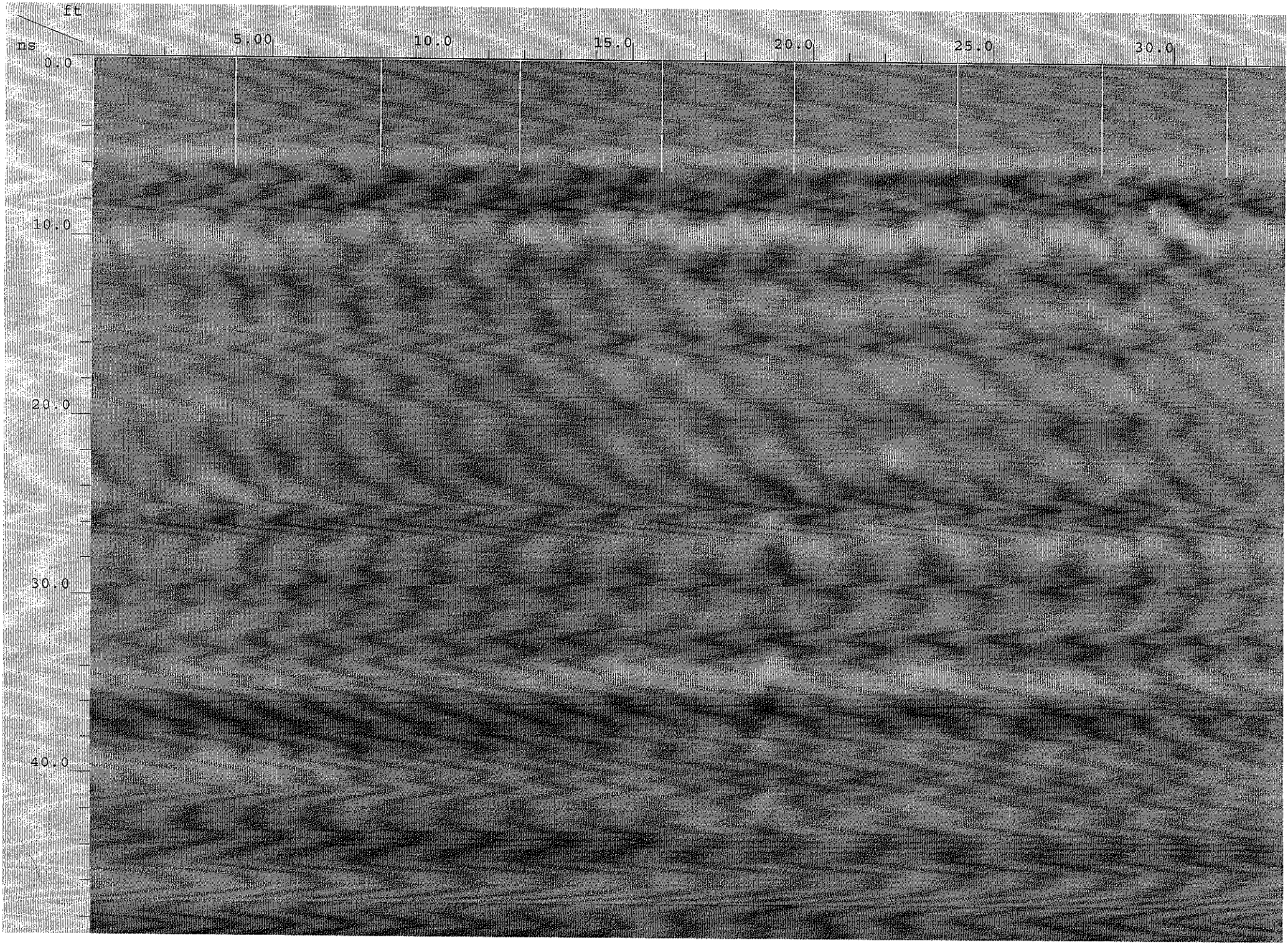


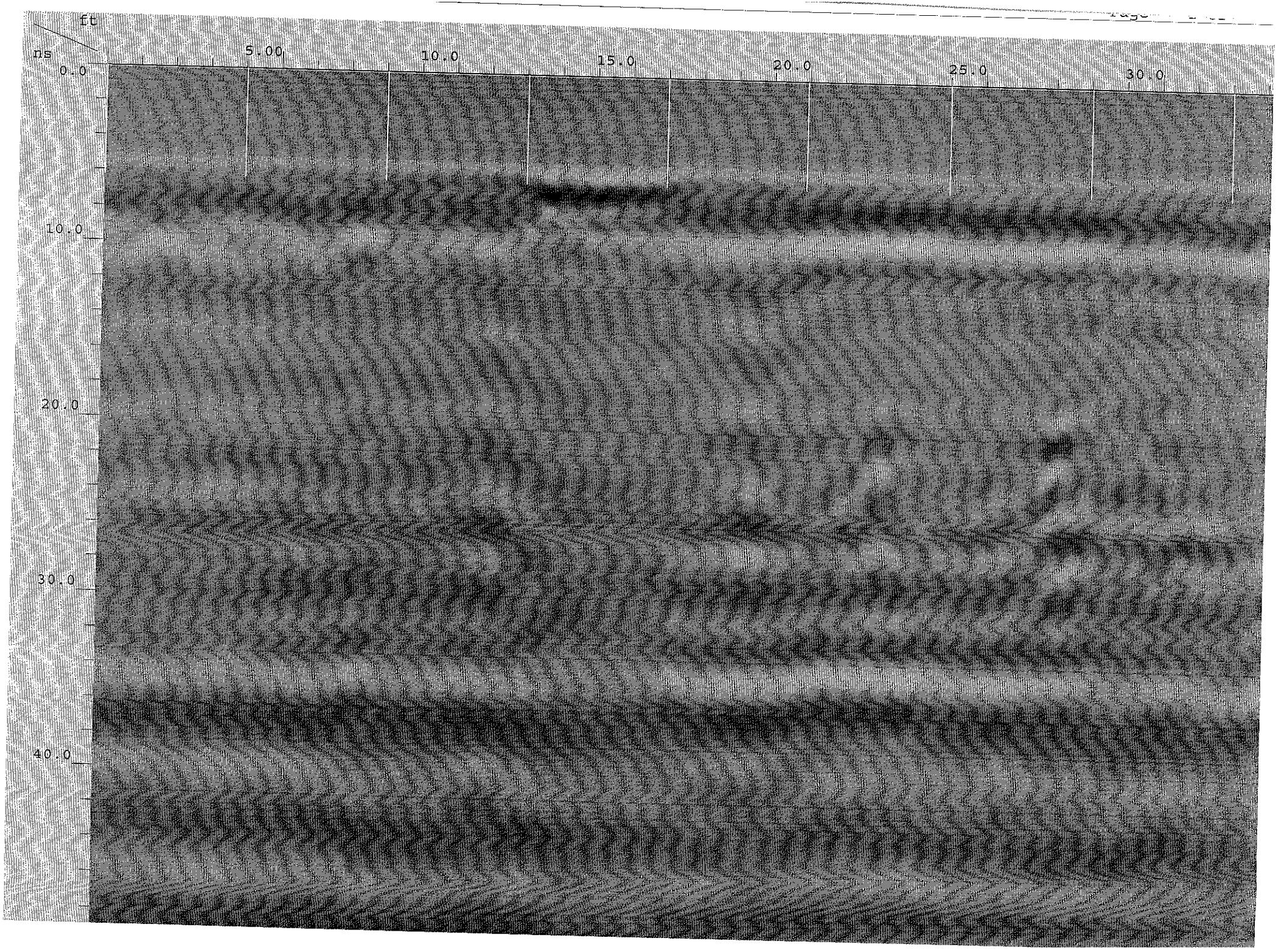


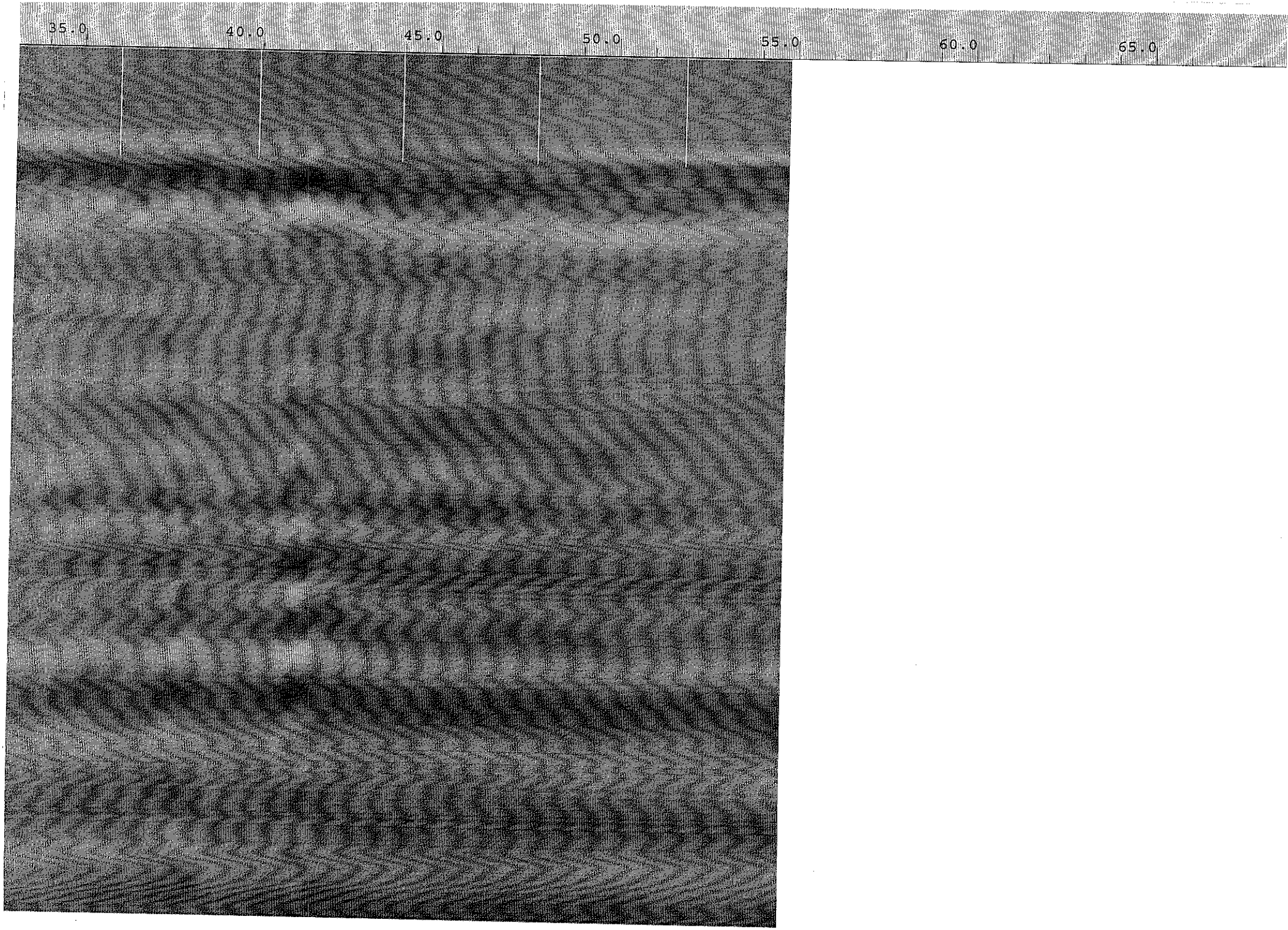


APPENDIX-C
GPR SUMMARY REPORT

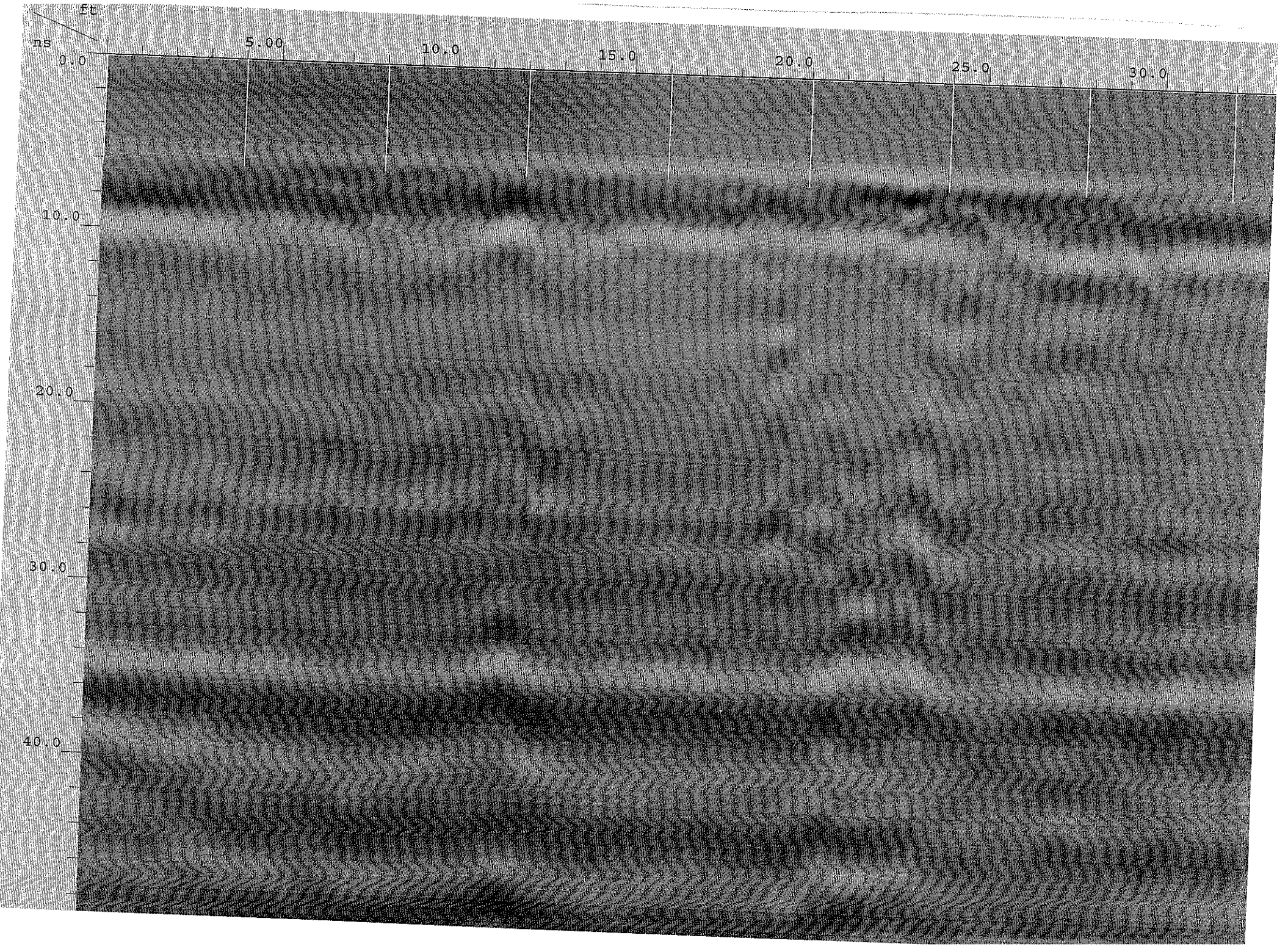

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APPENDIX-D
SOIL BORING LOGS

Hydro Tech Environmental, Corp.

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Soil Probe Log

Job No: 140078 **Date:** 4/16/2014 **Page:** 1 of 1

Location: 100 Union Avenue, Brooklyn, NY
Sampling Interval: 2 Feet
Sampling Method: Grab
Boring No.: SP-1
Driller: Efrain
Drilling Method: Direct Push
Depth to Water: N/A
Total Depth: 8 Feet

USCS SYMBOLS

GW - Well Graded Gravel | SW - Well Graded Sand | ML - Inorganic Silt / Sandy Silt | CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel | SP - Poorly Graded Sand | CL - Inorganic Clays / Sandy Clay | OH - Organic Silt / Clay
GM - Silty Gravel | SM - Silty Sand | OL - Inorganic Silts / Organic Silty Clay | PT - Peat / High Organics
GC - Clayey Gravel | SC - Clayey Sand | MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.1	SP	Concrete, asphalt, fine light brown compacted sand.
-2	0.1	SP	Fine light brown compacted sand.
-4	0.1	SP	Concrete moist fine light brown compacted sand with rocks.
-6	0.1	SP	Miscellaneous fill material.
-8			

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Soil Probe Log

Job No: 140078 **Date:** 4/16/2014 **Page:** 1 of 1

Location: 100 Union Avenue, Brooklyn, NY
Sampling Interval: 2 Feet
Sampling Method: Grab
Boring No.: SP-2
Driller: Efrain
Drilling Method: Direct Push
Depth to Water: N/A
Total Depth: 8 Feet

USCS SYMBOLS

GW - Well Graded Gravel | SW - Well Graded Sand | ML - Inorganic Silt / Sandy Silt | CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel | SP - Poorly Graded Sand | CL - Inorganic Clays / Sandy Clay | OH - Organic Silt / Clay
GM - Silty Gravel | SM - Silty Sand | OL - Inorganic Silts / Organic Silty Clay | PT - Peat / High Organics
GC - Clayey Gravel | SC - Clayey Sand | MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0 to -2	0.1	SP	Dark brown medium coarse sand with rocks and miscellaneous fill material.
-2 to -4	0.1	SP	Miscellaneous fill material.
-4 to -6	0.1	SP	Miscellaneous fill material.
-6 to -8	0.1	SP	Miscellaneous fill material.

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Soil Probe Log

Job No: 140078 **Date:** 4/16/2014 **Page:** 1 of 1

Location: 100 Union Avenue, Brooklyn, NY
Sampling Interval: 2 Feet
Sampling Method: Grab
Boring No.: SP-3
Driller: Efrain
Drilling Method: Direct Push
Depth to Water: N/A
Total Depth: 8 Feet

USCS SYMBOLS

GW - Well Graded Gravel | SW - Well Graded Sand | ML - Inorganic Silt / Sandy Silt | CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel | SP - Poorly Graded Sand | CL - Inorganic Clays / Sandy Clay | OH - Organic Silt / Clay
GM - Silty Gravel | SM - Silty Sand | OL - Inorganic Silts / Organic Silty Clay | PT - Peat / High Organics
GC - Clayey Gravel | SC - Clayey Sand | MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.1	SP	Asphalt, miscellaneous fill material.
-2	0.1	SP	Medium coarse brown sand with rocks
-4	0.1	SP	Miscellaneous fill material.
-6	0.1	SP	Wet medium coarse brown sand with rocks.
-8			

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NYC Office
15 Ocean Ave, 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 · F (718) 636-0900

www.hydrotechenvironmental.com

Soil Probe Log

Job No: 140078 **Date:** 4/16/2014 **Page:** 1 of 1

Location: 100 Union Avenue, Brooklyn, NY
Sampling Interval: 2 Feet
Sampling Method: Grab
Boring No.: SP-4
Driller: Efrain
Drilling Method: Direct Push
Depth to Water: N/A
Total Depth: 8 Feet

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays / Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts / Organic Silty Clay	PT - Peat / High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH- Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.1	SW	Asphalt, miscellaneous fill material.
-2	0.1	SW	Miscellaneous fill material.
-4	0.1	SW	Miscellaneous fill material.
-6	0.1	SW	Wet miscellaneous fill material.
-8			

Hydro Tech Environmental, Corp.

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Soil Probe Log

Job No: 140078 **Date:** 4/16/2014 **Page:** 1 of 1

Location: 100 Union Avenue, Brooklyn, NY
Sampling Interval: 2 Feet
Sampling Method: Grab
Boring No.: SP-5
Driller: Efrain
Drilling Method: Direct Push
Depth to Water: N/A
Total Depth: 8 Feet

USCS SYMBOLS

GW - Well Graded Gravel | SW - Well Graded Sand | ML - Inorganic Silt / Sandy Silt | CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel | SP - Poorly Graded Sand | CL - Inorganic Clays / Sandy Clay | OH - Organic Silt / Clay
GM - Silty Gravel | SM - Silty Sand | OL - Inorganic Silts / Organic Silty Clay | PT - Peat / High Organics
GC - Clayey Gravel | SC - Clayey Sand | MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.1	SP	Asphalt, miscellaneous fill material.
-2	0.1	SP	Miscellaneous fill material.
-4	0.1	SP	Miscellaneous fill material.
-6	0.1	SP	Wet miscellaneous fill material.
-8			

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Soil Probe Log

Job No: 140078 **Date:** 5/07/14 **Page:** 1 of 1

Location: 100 Union Avenue, Brooklyn, NY
Sampling Interval: 2 Feet
Sampling Method: Grab
Boring No.: SP-6
Driller: Efrain
Drilling Method: Direct Push
Depth to Water: N/A
Total Depth: 8 Feet

USCS SYMBOLS

GW - Well Graded Gravel | SW - Well Graded Sand | ML - Inorganic Silt / Sandy Silt | CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel | SP - Poorly Graded Sand | CL - Inorganic Clays / Sandy Clay | OH - Organic Silt / Clay
GM - Silty Gravel | SM - Silty Sand | OL - Inorganic Silts / Organic Silty Clay | PT - Peat / High Organics
GC - Clayey Gravel | SC - Clayey Sand | MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.1	SP	Concrete, medium coarse brown sand with pebbles.
-2	0.1	SP	Medium coarse brown sand with rocks and pebbles.
-4	0.1	SP	Medium coarse brown sand with rocks and pebbles.
-6		SP	Medium coarse brown sand with rocks.
-8			

APPENDIX-E
MONITORING WELLS CONSTRUCTION LOGS

HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:
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NYC OFFICE:
15 OCEAN AVENUE, SECOND FLOOR
BROOKLYN, NEW YORK 11225

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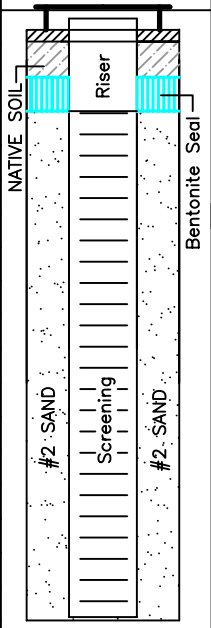
WELL CONSTRUCTION LOG

Job No: 140078 Date: 04-17-2014 Page: 1 OF 1

Location: 100 UNION AVENUE, BROOKLYN, NY

Well Number: MW-1
Drilling Method: DIRECT PUSH
Total Depth: 18'
Depth to Water: 7.00'
Manhole Size: 5"

Screen Size: 0.020"
Screen Interval: 15.00'
Diameter: 1"
Riser Length: 3'
Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36			5" Manhole Cover 0'-2.00' - Native Soil 2.00'-3.00' - Bentonite Seal 3'-18.00' - #2 Sand 0' - 3.00' - Riser 3' - 18.00' - Screen

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PHONE: (631) 462-5866 FAX: (631) 462-5877

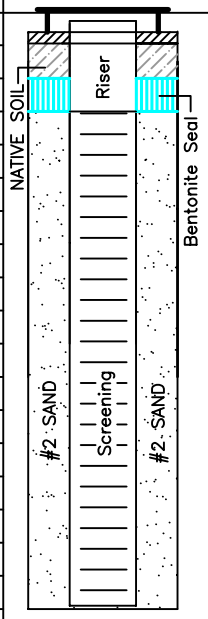
WELL CONSTRUCTION LOG

Job No: 140078 Date: 04-17-2014 Page: 1 OF 1

Location: 100 UNION AVENUE, BROOKLYN, NY

Well Number: MW-2
Drilling Method: DIRECT PUSH
Total Depth: 18'
Depth to Water: 7.00'
Manhole Size: 5"

Screen Size: 0.020"
Screen Interval: 15.00'
Diameter: 1"
Riser Length: 3'
Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36			5" Manhole Cover 0'-2.00' - Native Soil 2.00'-3.00' - Bentonite Seal 3'-18.00' - #2 Sand 0' - 3.00' - Riser 3' - 18.00' - Screen

HYDRO TECH ENVIRONMENTAL CORP.

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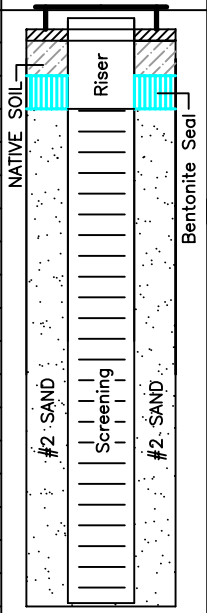
WELL CONSTRUCTION LOG

Job No: 140078 Date: 04-17-2014 Page: 1 OF 1

Location: 100 UNION AVENUE, BROOKLYN, NY

Well Number: MW-3
Drilling Method: DIRECT PUSH
Total Depth: 18'
Depth to Water: 9.00'
Manhole Size: 5"

Screen Size: 0.020"
Screen Interval: 15.00'
Diameter: 1"
Riser Length: 3'
Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36			5" Manhole Cover 0'-2.00' - Native Soil 2.00'-3.00' - Bentonite Seal 3'-18.00' - #2 Sand 0' - 3.00' - Riser 3' - 18.00' - Screen

HYDRO TECH ENVIRONMENTAL CORP.

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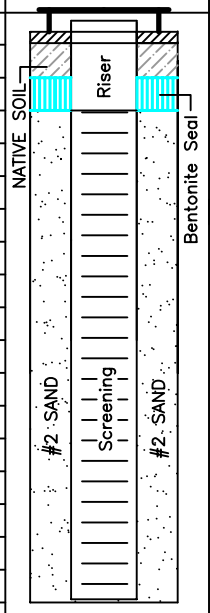
WELL CONSTRUCTION LOG

Job No: 140078 Date: 05-07-2014 Page: 1 OF 1

Location: 100 UNION AVENUE, BROOKLYN, NY

Well Number: MW-4
Drilling Method: DIRECT PUSH
Total Depth: 18'
Depth to Water: 7.00'
Manhole Size: 5"

Screen Size: 0.020"
Screen Interval: 15.00'
Diameter: 1"
Riser Length: 3'
Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36			5" Manhole Cover 0'-2.00' - Native Soil 2.00'-3.00' - Bentonite Seal 3'-18.00' - #2 Sand 0' - 3.00' - Riser 3' - 18.00' - Screen

APPENDIX-F
WELL PURGING AND SAMPLING LOG

100 Union Av Brooklyn, NY 11206

Hydro Tech Environmental, Corp.

Monitoring Well Sampling Log Sheet

Job No.: 140078 Well No.: MW-1 Date: 4/23/14

Well Depth: _____ Screen Length: 15' Well Diameter: 2" Casing Type: PVC

Sampling Device: Horiba + grundfos Tubing Type: silicon Initial DTP: ND Initial DTW: 7.02

Well Volume: 2 Total Volume Purged: 3L

Sampling Personnel: Silvestre + Julio

Low Flow Sampling required ? Yes : X No: _____

Order of stabilization / Deviation			a ±1	b	c ± 3%	e ± 10%	f ± 10%	d ± 10 mv	
Time	DTP (ft)	DTW (ft)	pH	Temp (°F)	Cond. (S/Cm)	Dis.O2 (mg/L)	Turb.(NTU)	ORP (mV)	Notes
8:35	ND	7.02	8.12	12.06	1.99	10.31	26	39	1 L
8:45	ND	6.99	7.83	12.79	2.25	6.00	19	7	1 L
8:55	ND	7.11	5.68	12.75	1.89	2.26	3.6	-3	1 L

100 Union Av Brooklyn, NY 11206

Hydro Tech Environmental, Corp.

Monitoring Well Sampling Log Sheet

Job No.: 140078 Well No.: MW-2 Date: 4/22/14

Well Depth: _____ Screen Length: 15' Well Diameter: 2" Casing Type: PVC

Sampling Device: Horiba Tygon Tubing Type: Silicon Initial DTP: ND Initial DTW: 6.82

Well Volume: 2 Total Volume Purged: 3 L

Sampling Personnel: Silvestre & Julio

Low Flow Sampling required ? Yes : X No: _____

Order of stabilization / Deviation			a ±1	b	c ± 3%	e ± 10%	f ± 10%	d ± 10 mv	
Time	DTP (ft)	DTW (ft)	pH	Temp (°F)	Cond. (S/Cm)	Dis.O2 (mg/L)	Turb.(NTU)	ORP (mV)	Notes
9:05	ND	6.82	8.49	13.27	11.01	14.71	31	39	1 L
9:25	ND	8.96	9.02	10.05	14.05	16.09	19	17	1 L
9:45	ND	10.05	9.31	11.44	12.97	15.36	6.6	-9	1 L

100 Union Av Brooklyn, NY 11206

Hydro Tech Environmental, Corp.

Monitoring Well Sampling Log Sheet

Job No.: M0078 Well No.: MW-3 Date: 4/29/14

Well Depth: _____ Screen Length: 15' Well Diameter: 2" Casing Type: PVC

Sampling Device: ~~Horiba + grab~~ Tubing Type: silicon Initial DTP: ND Initial DTW: 9.74

Well Volume: 2 Total Volume Purged: 3L

Sampling Personnel: Silvestre + Julio

Low Flow Sampling required ? Yes : X No: _____

Order of stabilization / Deviation			a ±1	b	c ± 3%	e ± 10%	f ± 10%	d ± 10 mv	
Time	DTP (ft)	DTW (ft)	pH	Temp (°F)	Cond. (S/Cm)	Dis.O2 (mg/L)	Turb.(NTU)	ORP (mV)	Notes
10:10	ND	9.74	7.04	13.79	1.88	9.97	18.3	156	1L
10:20	ND	11.12	6.83	14.01	2.06	10.03	16.9	28	1L
10:40	ND	13.06	6.67	14.05	3.12	12.10	8.8	-5	1L

APPENDIX-G
SOIL VAPOR SAMPLING LOG

AMBIENT AIR/SOIL VAPOR SAMPLING LOG SHEET

Weather Conditions during past 24-48 hrs: Sunny, hot 62°F

Building Ventilation Conditions: Outdoor 9:r

Source(s) of VOCs in Area: gas fumes

Sample Coordinates																				
Sample ID	Sampling Date	Air Matrix	Sub-Surface Installation			Sampler Name	Indoor PID Reading (ppm)	Indoor air temp (°F)	Summa Canister ID	Canister Volume (L)	Purge Volume(s) (L)	Helium Detector (pg/L)		Time start (24 hr)	Time Stop (24 hr)	Canister Vacuum ("Hg)		Total Volume Extracte (L)	Weather (Wind, Dry, Moist, Saturated, temp) of Sampling Zone
			Date	Time	Depth							Start	Stop			Before	After		
AO-1	4/21	AO				SC	0.0	48°F	SO2	6	0.2	9:25	9:28	9:25	12:40	-30	-2		Sunny 62°F
SV-1	4/21	SV	4/13	9:30	5'	SC	0.0	48°F	#11	6	0.2	9:46	9:48	9:45	12:10	-30	-4		Sunny 62°F
SV-2	4/21	SV	4/13	9:55	5'	SC	0.0	48°F	761	6	0.2	9:41	9:44	9:40	12:07	-28	0		Sunny 62°F
SV-3	4/21	SV	4/13	10:20	5'	SC	0.0	48°F	523	6	0.2	9:36	9:39	9:35	12:02	-30	-8		Sunny 62°F
SV-4	4/21	SV	4/13	10:55	5'	SC	0.0	48°F	518	6	0.2	9:31	9:34	9:30	11:55	-30	-3		Sunny 62°F

Air Matrix Codes:
AI - Indoor Air
AO- Outdoor Air
SV - Soil Vapor
SB - Sub-slab

Notes:

100 Union Ave. Brooklyn, NY 11206

APPENDIX-H
LABORATORY DATA DELIVERABLES FOR SOIL ANALYTICAL DATA

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Report Date: 04/25/2014
Client Project ID: #140078 100 Union Ave Brooklyn NY
York Project (SDG) No.: 14D0803

Report Date: 04/25/2014
Client Project ID: #140078 100 Union Ave Brooklyn NY
York Project (SDG) No.: 14D0803

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 21, 2014 and listed below. The project was identified as your project: **#140078 100 Union Ave Brooklyn NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14D0803-01	SP-1 0-2 ft	Soil	04/16/2014	04/21/2014
14D0803-02	SP-1 6-8 ft	Soil	04/16/2014	04/21/2014
14D0803-03	SP-2 0-2 ft	Soil	04/16/2014	04/21/2014
14D0803-04	SP-2 6-8 ft	Soil	04/16/2014	04/21/2014
14D0803-05	SP-3 0-2 ft	Soil	04/16/2014	04/21/2014
14D0803-06	SP-3 6-8 ft	Soil	04/16/2014	04/21/2014
14D0803-07	SP-4 0-2 ft	Soil	04/16/2014	04/21/2014
14D0803-08	SP-4 6-8 ft	Soil	04/16/2014	04/21/2014
14D0803-09	SP-5 0-2 ft	Soil	04/16/2014	04/21/2014
14D0803-10	SP-5 6-8 ft	Soil	04/16/2014	04/21/2014
14D0803-11	Field Blank	Water	04/16/2014	04/21/2014
14D0803-12	Trip Blank	Water	04/16/2014	04/21/2014

General Notes for York Project (SDG) No.: 14D0803

0. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
1. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
2. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
3. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
4. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
5. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 04/25/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SP-1 0-2 ft** **York Sample ID:** **14D0803-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
75-35-4	Dichloroethylene 1,2,4-	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
95-63-6	Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
107-06-2	1,2-Dichloroethane 1,3,5-	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
108-67-8	Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	38	76	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
67-64-1	**Acetone**	**18**	B	ug/kg dry	1.9	7.6	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
71-43-2	Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
67-66-3	Chloroform	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
75-09-2	Methylene chloride	ND		ug/kg dry	1.9	7.6	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
179601-23-1	p- & m- Xylenes sec-	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
135-98-8	Butylbenzene tert-	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
98-06-6	Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
127-18-4	**Tetrachloroethylene**	**3.5**	J	ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
108-88-3	Toluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.7	11	1	EPA 8260C	04/24/2014 08:00	04/24/2014 16:02	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*75-127*

Sample Information

Client Sample ID: **SP-1 0-2 ft** **York Sample ID:** **14D0803-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: Toluene-d8*	*101 %*			*90-112*						

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**1340**	J	ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
120-12-7	**Anthracene**	**3820**		ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
56-55-3	**Benzo(a)anthracene**	**7470**		ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
50-32-8	**Benzo(a)pyrene Benzo**	**5160**		ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
205-99-2	**(b)fluoranthene**	**5700**		ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
191-24-2	**Benzo(g,h,i)perylene**	**2000**	J	ug/kg dry	1890	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
207-08-9	**Benzo(k)fluoranthene**	**5070**		ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
218-01-9	**Chrysene**	**5660**		ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
132-64-9	**Dibenzofuran**	**1380**	J	ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
206-44-0	**Fluoranthene**	**16200**		ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
86-73-7	**Fluorene**	**2180**	J	ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2200**	J	ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	1890	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	1890	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
91-20-3	**Naphthalene**	**1710**	J	ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	1890	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
85-01-8	**Phenanthrene**	**15500**		ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
108-95-2	Phenol	ND		ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR
129-00-0	**Pyrene**	**12800**		ug/kg dry	945	3750	20	EPA 8270D	04/22/2014 07:31	04/23/2014 17:53	SR

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*30.2 %*		*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*60.1 %*		*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*57.2 %*		*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*50.4 %*		*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*1.54 %*	S-06	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*66.9 %*		*10-137*

Sample Information

Client Sample ID: **SP-1 0-2 ft** **York Sample ID:** **14D0803-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 12:44	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 12:44	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 12:44	JW
309-00-2	Aldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 12:44	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 12:44	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 12:44	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 12:44	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 12:44	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 12:44	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 12:44	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 12:44	JW
72-20-8	Endrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 12:44	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 12:44	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 12:44	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 12:44	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*44.1 %*	*30-140*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*42.4 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	04/22/2014 07:28	04/23/2014 12:25	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	04/22/2014 07:28	04/23/2014 12:25	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	04/22/2014 07:28	04/23/2014 12:25	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	04/22/2014 07:28	04/23/2014 12:25	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	04/22/2014 07:28	04/23/2014 12:25	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	04/22/2014 07:28	04/23/2014 12:25	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	04/22/2014 07:28	04/23/2014 12:25	JW
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A	04/22/2014 07:28	04/23/2014 12:25	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*52.7 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*36.3 %*	*30-140*

Sample Information

Client Sample ID: **SP-1 0-2 ft** **York Sample ID:** **14D0803-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9310**		mg/kg dry	1.12	1.12	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-36-0	Antimony	ND		mg/kg dry	0.562	0.562	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-38-2	**Arsenic**	**2.35**		mg/kg dry	1.12	1.12	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-39-3	**Barium**	**63.2**		mg/kg dry	1.12	1.12	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.112	0.112	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-43-9	**Cadmium**	**0.996**		mg/kg dry	0.337	0.337	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-70-2	**Calcium**	**12200**		mg/kg dry	0.562	5.62	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-47-3	**Chromium**	**15.6**		mg/kg dry	0.562	0.562	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-48-4	**Cobalt**	**4.42**		mg/kg dry	0.562	0.562	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-50-8	**Copper**	**20.5**		mg/kg dry	0.562	0.562	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7439-89-6	**Iron**	**8850**		mg/kg dry	2.25	2.25	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7439-92-1	**Lead**	**86.7**		mg/kg dry	0.337	0.337	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7439-95-4	**Magnesium**	**3150**		mg/kg dry	5.62	5.62	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7439-96-5	**Manganese**	**92.3**		mg/kg dry	0.562	0.562	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-02-0	**Nickel**	**15.6**		mg/kg dry	0.562	0.562	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-09-7	**Potassium**	**1130**		mg/kg dry	5.62	5.62	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7782-49-2	Selenium	ND		mg/kg dry	1.12	1.12	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-22-4	Silver	ND		mg/kg dry	0.562	0.562	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-23-5	**Sodium**	**603**		mg/kg dry	11.2	11.2	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-28-0	Thallium	ND		mg/kg dry	1.12	1.12	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-62-2	**Vanadium**	**19.7**		mg/kg dry	1.12	1.12	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW
7440-66-6	**Zinc**	**123**		mg/kg dry	1.12	1.12	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:26	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0371	0.0371	1	EPA 7471B	04/24/2014 09:40	04/25/2014 09:42	AA

Sample Information

Client Sample ID: SP-1 0-2 ft **York Sample ID:** 14D0803-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.9**		%	0.100	0.100	1	SM 2540G	04/22/2014 11:28	04/22/2014 16:33	AMC

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.394	0.562	1	EPA 7196A	04/25/2014 09:27	04/25/2014 16:17	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**15.6**		mg/kg	0.250	0.500	1	Calculation	04/25/2014 16:21	04/25/2014 16:30	SC

Sample Information

Client Sample ID: SP-1 6-8 ft **York Sample ID:** 14D0803-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
75-35-4	Dichloroethylene 1,2,4-	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
95-63-6	Trimethylbenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	61	120	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
67-64-1	**Acetone**			ug/kg dry	3.1	12	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS

Sample Information

Client Sample ID: **SP-1 6-8 ft** **York Sample ID:** **14D0803-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reissued to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
67-66-3	Chloroform	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
156-59-2	**cis-1,2-Dichloroethylene**	**9.8**		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
75-09-2	Methylene chloride	ND		ug/kg dry	3.1	12	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
179601-23-1	p- & m- Xylenes sec-	ND		ug/kg dry	6.1	12	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
135-98-8	Butylbenzene tert-	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
98-06-6	Butylbenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
127-18-4	**Tetrachloroethylene**	**50**		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
108-88-3	Toluene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
79-01-6	**Trichloroethylene**	**5.4**	J	ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.2	18	1	EPA 8260C	04/25/2014 08:54	04/25/2014 14:49	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*121 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*110 %*	*90-112*

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reissued to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
120-12-7	**Anthracene**	**133**	J	ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
56-55-3	**Benzo(a)anthracene**	**379**	J	ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
50-32-8	**Benzo(a)pyrene**	**234**	J	ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
205-99-2	**Benzo(b)fluoranthene**	**203**	J	ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	221	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
207-08-9	**Benzo(k)fluoranthene**	**234**	J	ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR

Sample Information

Client Sample ID: **SP-1 6-8 ft** **York Sample ID:** **14D0803-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	**Chrysene**	**293**		ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
53-70-3	Dibenzo(a,h)anthracene	J		ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
206-44-0	**Fluoranthene**	ND		ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
86-73-7	Fluorene	**722**		ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	221	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	221	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
91-20-3	Naphthalene	ND		ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	221	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
85-01-8	**Phenanthrene**	**557**		ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
108-95-2	Phenol	ND		ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR
129-00-0	**Pyrene**	**608**		ug/kg dry	111	439	2	EPA 8270D	04/22/2014 07:31	04/23/2014 18:25	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*34.8 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*55.7 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*51.0 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*42.2 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*45.9 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*72.5 %*	*10-137*

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:00	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:00	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:00	JW
309-00-2	Aldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:00	JW
319-84-6	alpha-BHC beta-	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:00	JW
319-85-7	BHC delta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:00	JW
319-86-8	Dieldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:00	JW
60-57-1	Endosulfan I	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:00	JW
959-98-8	Endosulfan II	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:00	JW
33213-65-9	Endosulfan sulfate	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:00	JW
1031-07-8		ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:00	JW

Sample Information

Client Sample ID: **SP-1 6-8 ft** **York Sample ID:** **14D0803-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:00	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:00	JW
76-44-8	Heptachlor alpha-	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:00	JW
5103-71-9	Chlordane	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:00	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*31.8 %*	*30-140*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*32.4 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/22/2014 07:28	04/23/2014 00:29	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/22/2014 07:28	04/23/2014 00:29	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/22/2014 07:28	04/23/2014 00:29	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/22/2014 07:28	04/23/2014 00:29	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/22/2014 07:28	04/23/2014 00:29	JW
11097-69-1	**Aroclor 1254**	**0.0863**		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/22/2014 07:28	04/23/2014 00:29	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/22/2014 07:28	04/23/2014 00:29	JW
1336-36-3	*** Total PCBs**	**0.0863**		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/22/2014 07:28	04/23/2014 00:29	JW

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*32.5 %*		*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*28.8 %*	GC-Surr	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**11500**		mg/kg dry	1.32	1.32	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7440-36-0	Antimony	ND		mg/kg dry	0.659	0.659	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7440-38-2	**Arsenic**	**5.99**		mg/kg dry	1.32	1.32	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7440-39-3	**Barium**	**74.5**		mg/kg dry	1.32	1.32	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.132	0.132	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7440-43-9	**Cadmium**	**11.8**		mg/kg dry	0.395	0.395	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7440-70-2	**Calcium**	**5260**		mg/kg dry	0.659	6.59	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7440-47-3	**Chromium**	**17.8**		mg/kg dry	0.659	0.659	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7440-48-4	**Cobalt**	**5.04**		mg/kg dry	0.659	0.659	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW

Sample Information

Client Sample ID: **SP-1 6-8 ft** **York Sample ID:** **14D0803-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	**Copper**	**49.5**		mg/kg dry	0.659	0.659	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7439-89-6	**Iron**	**12900**		mg/kg dry	2.63	2.63	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7439-92-1	**Lead**	**441**		mg/kg dry	0.395	0.395	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7439-95-4	**Magnesium**	**2170**		mg/kg dry	6.59	6.59	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7439-96-5	**Manganese**	**145**		mg/kg dry	0.659	0.659	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7440-02-0	**Nickel**	**18.8**		mg/kg dry	0.659	0.659	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7440-09-7	**Potassium**	**921**		mg/kg dry	6.59	6.59	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7782-49-2	Selenium	ND		mg/kg dry	1.32	1.32	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7440-22-4	Silver	ND		mg/kg dry	0.659	0.659	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7440-23-5	**Sodium**	**311**		mg/kg dry	13.2	13.2	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7440-28-0	Thallium	ND		mg/kg dry	1.32	1.32	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7440-62-2	**Vanadium**	**21.3**		mg/kg dry	1.32	1.32	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW
7440-66-6	**Zinc**	**107**		mg/kg dry	1.32	1.32	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:44	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0435	0.0435	1	EPA 7471B	04/24/2014 09:40	04/25/2014 09:42	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**75.9**		%	0.100	0.100	1	SM 2540G	04/22/2014 11:28	04/22/2014 16:33	AMC

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.461	0.659	1	EPA 7196A	04/25/2014 09:27	04/25/2014 16:17	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**17.8**		mg/kg	0.250	0.500	1	Calculation	04/25/2014 16:21	04/25/2014 16:30	SC

Sample Information

Client Sample ID: **SP-2 0-2 ft** **York Sample ID:** **14D0803-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
75-35-4	Dichloroethylene 1,2,4-	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
95-63-6	Trimethylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
107-06-2	1,2-Dichloroethane 1,3,5-	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
108-67-8	Trimethylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	43	86	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
67-64-1	**Acetone**	**23**	B	ug/kg dry	2.1	8.6	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
71-43-2	Benzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.1	8.6	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
179601-23-1	p- & m- Xylenes sec-	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
135-98-8	Butylbenzene tert-	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
98-06-6	Butylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
108-88-3	Toluene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.4	13	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:13	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*75-127*

Sample Information

Client Sample ID: **SP-2 0-2 ft** **York Sample ID:** **14D0803-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: Toluene-d8*	*101 %*			*90-112*						

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
120-12-7	Anthracene	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
50-32-8	Benzo(a)pyrene Benzo	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
205-99-2	(b)fluoranthene	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	5000	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
218-01-9	Chrysene	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
206-44-0	Fluoranthene	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
86-73-7	Fluorene	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	5000	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	5000	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
91-20-3	Naphthalene	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	5000	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
85-01-8	Phenanthrene	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
108-95-2	Phenol	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR
129-00-0	Pyrene	ND		ug/kg dry	2500	9930	10	EPA 8270D	04/22/2014 07:31	04/23/2014 18:56	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*18.9 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*110 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*107 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*95.0 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*90.6 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*114 %*	*10-137*

Sample Information

Client Sample ID: **SP-2 0-2 ft** **York Sample ID:** **14D0803-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:30	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:30	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:30	JW
309-00-2	Aldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:30	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:30	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:30	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:30	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:30	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:30	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:30	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:30	JW
72-20-8	Endrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:30	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:30	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:30	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:30	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*48.9 %*	*30-140*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*41.1 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0202	0.0202	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:03	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0202	0.0202	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:03	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0202	0.0202	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:03	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0202	0.0202	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:03	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0202	0.0202	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:03	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0202	0.0202	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:03	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0202	0.0202	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:03	JW
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0202	0.0202	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:03	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*31.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*32.1 %*	*30-140*

Sample Information

Client Sample ID: **SP-2 0-2 ft** **York Sample ID:** **14D0803-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8830**		mg/kg dry	1.19	1.19	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-36-0	**Antimony**	**1.86**		mg/kg dry	0.596	0.596	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-38-2	**Arsenic**	**9.54**		mg/kg dry	1.19	1.19	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-39-3	**Barium**	**255**		mg/kg dry	1.19	1.19	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.119	0.119	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-43-9	**Cadmium**	**0.827**		mg/kg dry	0.357	0.357	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-70-2	**Calcium**	**5360**		mg/kg dry	0.596	5.96	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-47-3	**Chromium**	**20.5**		mg/kg dry	0.596	0.596	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-48-4	**Cobalt**	**6.36**		mg/kg dry	0.596	0.596	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-50-8	**Copper**	**65.1**		mg/kg dry	0.596	0.596	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7439-89-6	**Iron**	**15100**		mg/kg dry	2.38	2.38	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7439-92-1	**Lead**	**417**		mg/kg dry	0.357	0.357	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7439-95-4	**Magnesium**	**2200**		mg/kg dry	5.96	5.96	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7439-96-5	**Manganese**	**288**		mg/kg dry	0.596	0.596	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-02-0	**Nickel**	**21.9**		mg/kg dry	0.596	0.596	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-09-7	**Potassium**	**729**		mg/kg dry	5.96	5.96	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7782-49-2	Selenium	ND		mg/kg dry	1.19	1.19	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-22-4	Silver	ND		mg/kg dry	0.596	0.596	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-23-5	**Sodium**	**266**		mg/kg dry	11.9	11.9	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-28-0	Thallium	ND		mg/kg dry	1.19	1.19	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-62-2	**Vanadium**	**30.8**		mg/kg dry	1.19	1.19	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW
7440-66-6	**Zinc**	**230**		mg/kg dry	1.19	1.19	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:49	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0393	0.0393	1	EPA 7471B	04/24/2014 09:40	04/25/2014 09:42	AA

Sample Information

Client Sample ID: SP-2 0-2 ft **York Sample ID:** 14D0803-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.0**		%	0.100	0.100	1	SM 2540G	04/22/2014 11:28	04/22/2014 16:33	AMC

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.417	0.596	1	EPA 7196A	04/25/2014 09:27	04/25/2014 16:17	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**20.5**		mg/kg	0.250	0.500	1	Calculation	04/25/2014 16:21	04/25/2014 16:30	SC

Sample Information

Client Sample ID: SP-2 6-8 ft **York Sample ID:** 14D0803-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
75-35-4	Dichloroethylene 1,2,4-	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
95-63-6	Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	50	99	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
67-64-1	**Acetone**	**30**	B	ug/kg dry	2.5	9.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS

Sample Information

Client Sample ID: **SP-2 6-8 ft** **York Sample ID:** **14D0803-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reissued to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.5	9.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
179601-23-1	p- & m- Xylenes sec-	ND		ug/kg dry	5.0	9.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
135-98-8	Butylbenzene tert-	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
98-06-6	Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
127-18-4	**Tetrachloroethylene**	**4.4**	J	ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
108-88-3	Toluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.5	15	1	EPA 8260C	04/24/2014 08:00	04/24/2014 17:48	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.8 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*90-112*

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reissued to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
120-12-7	**Anthracene**	**434**	J	ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
56-55-3	**Benzo(a)anthracene**	**750**	J	ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
50-32-8	**Benzo(a)pyrene**	**456**	J	ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
205-99-2	**Benzo(b)fluoranthene**	**368**	J	ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	504	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
207-08-9	**Benzo(k)fluoranthene**	**462**	J	ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR

Sample Information

Client Sample ID: **SP-2 6-8 ft** **York Sample ID:** **14D0803-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	**Chrysene**	**616**		ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
53-70-3	Dibenzo(a,h)anthracene	J		ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
206-44-0	**Fluoranthene**	ND		ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
86-73-7	Fluorene	**1570**		ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	504	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	504	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
91-20-3	Naphthalene	ND		ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	504	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
85-01-8	**Phenanthrene**	**1550**		ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
108-95-2	Phenol	ND		ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR
129-00-0	**Pyrene**	**1350**		ug/kg dry	252	1000	5	EPA 8270D	04/22/2014 07:31	04/23/2014 19:27	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*40.6 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*51.5 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*53.1 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*42.4 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*39.4 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*63.9 %*	*10-137*

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:45	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:45	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:45	JW
309-00-2	Aldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:45	JW
319-84-6	alpha-BHC beta-	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:45	JW
319-85-7	BHC delta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:45	JW
319-86-8	Dieldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:45	JW
60-57-1	Endosulfan I	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:45	JW
959-98-8	Endosulfan II	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:45	JW
33213-65-9	Endosulfan sulfate	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:45	JW
1031-07-8		ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:45	JW

Sample Information

Client Sample ID: **SP-2 6-8 ft** **York Sample ID:** **14D0803-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:45	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:45	JW
76-44-8	Heptachlor alpha-	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:45	JW
5103-71-9	Chlordane	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 16:45	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*44.0 %*	*30-140*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*43.2 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0204	0.0204	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:22	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0204	0.0204	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:22	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0204	0.0204	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:22	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0204	0.0204	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:22	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0204	0.0204	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:22	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0204	0.0204	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:22	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0204	0.0204	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:22	JW
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0204	0.0204	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:22	JW

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*35.0 %*		*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*29.3 %*	GC-Surr	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6350**		mg/kg dry	1.20	1.20	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7440-36-0	**Antimony**	**1.29**		mg/kg dry	0.600	0.600	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7440-38-2	**Arsenic**	**10.6**		mg/kg dry	1.20	1.20	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7440-39-3	**Barium**	**363**		mg/kg dry	1.20	1.20	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.120	0.120	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7440-43-9	**Cadmium**	**0.455**		mg/kg dry	0.360	0.360	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7440-70-2	**Calcium**	**2550**		mg/kg dry	0.600	6.00	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7440-47-3	**Chromium**	**17.5**		mg/kg dry	0.600	0.600	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7440-48-4	**Cobalt**	**5.52**		mg/kg dry	0.600	0.600	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW

Sample Information

Client Sample ID: **SP-2 6-8 ft** **York Sample ID:** **14D0803-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	**Copper**	**66.7**		mg/kg dry	0.600	0.600	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7439-89-6	**Iron**	**13100**		mg/kg dry	2.40	2.40	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7439-92-1	**Lead**	**900**		mg/kg dry	0.360	0.360	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7439-95-4	**Magnesium**	**1210**		mg/kg dry	6.00	6.00	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7439-96-5	**Manganese**	**170**		mg/kg dry	0.600	0.600	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7440-02-0	**Nickel**	**20.0**		mg/kg dry	0.600	0.600	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7440-09-7	**Potassium**	**794**		mg/kg dry	6.00	6.00	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7782-49-2	Selenium	ND		mg/kg dry	1.20	1.20	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7440-22-4	Silver	ND		mg/kg dry	0.600	0.600	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7440-23-5	**Sodium**	**231**		mg/kg dry	12.0	12.0	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7440-28-0	Thallium	ND		mg/kg dry	1.20	1.20	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7440-62-2	**Vanadium**	**29.2**		mg/kg dry	1.20	1.20	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW
7440-66-6	**Zinc**	**187**		mg/kg dry	1.20	1.20	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:54	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0396	0.0396	1	EPA 7471B	04/24/2014 09:40	04/25/2014 09:42	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.3**		%	0.100	0.100	1	SM 2540G	04/22/2014 11:28	04/22/2014 16:33	AMC

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.420	0.600	1	EPA 7196A	04/25/2014 09:27	04/25/2014 16:17	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**17.5**		mg/kg	0.250	0.500	1	Calculation	04/25/2014 16:21	04/25/2014 16:30	SC

Sample Information

Client Sample ID: **SP-3 0-2 ft** **York Sample ID:** **14D0803-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
75-35-4	Dichloroethylene 1,2,4-	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
95-63-6	Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
107-06-2	1,2-Dichloroethane 1,3,5-	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
108-67-8	Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	38	76	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
67-64-1	**Acetone**	**14**	B	ug/kg dry	1.9	7.6	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
71-43-2	Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
67-66-3	Chloroform	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
75-09-2	Methylene chloride	ND		ug/kg dry	1.9	7.6	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
179601-23-1	p- & m- Xylenes sec-	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
135-98-8	Butylbenzene tert-	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
98-06-6	Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
108-88-3	Toluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.7	11	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:23	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*75-127*

Sample Information

Client Sample ID: **SP-3 0-2 ft** **York Sample ID:** **14D0803-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: Toluene-d8*	*105 %*			*90-112*						

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
120-12-7	Anthracene	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
50-32-8	Benzo(a)pyrene Benzo	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
205-99-2	(b)fluoranthene	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	991	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
218-01-9	Chrysene	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
206-44-0	Fluoranthene	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
86-73-7	Fluorene	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	991	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	991	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
91-20-3	Naphthalene	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	991	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
85-01-8	Phenanthrene	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
108-95-2	Phenol	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR
129-00-0	Pyrene	ND		ug/kg dry	496	1970	10	EPA 8270D	04/22/2014 07:31	04/23/2014 19:59	SR

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*9.90 %*	S-06	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*21.4 %*		*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*23.2 %*		*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*22.0 %*		*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*8.74 %*	S-06	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*27.5 %*		*10-137*

Sample Information

Client Sample ID: **SP-3 0-2 ft** **York Sample ID:** **14D0803-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:47	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:47	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:47	JW
309-00-2	Aldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:47	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:47	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:47	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:47	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:47	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:47	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:47	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:47	JW
72-20-8	Endrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:47	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:47	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:47	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 13:47	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*39.7 %*	*30-140*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*30.2 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0201	0.0201	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:24	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0201	0.0201	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:24	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0201	0.0201	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:24	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0201	0.0201	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:24	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0201	0.0201	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:24	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0201	0.0201	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:24	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0201	0.0201	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:24	JW
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0201	0.0201	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:24	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*44.8 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*35.8 %*	*30-140*

Sample Information

Client Sample ID: **SP-3 0-2 ft** **York Sample ID:** **14D0803-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6700**		mg/kg dry	1.18	1.18	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-36-0	Antimony	ND		mg/kg dry	0.590	0.590	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-38-2	**Arsenic**	**8.48**		mg/kg dry	1.18	1.18	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-39-3	**Barium**	**79.6**		mg/kg dry	1.18	1.18	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.118	0.118	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-43-9	**Cadmium**	**0.592**		mg/kg dry	0.354	0.354	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-70-2	**Calcium**	**35500**		mg/kg dry	0.590	5.90	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-47-3	**Chromium**	**10.9**		mg/kg dry	0.590	0.590	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-48-4	**Cobalt**	**4.19**		mg/kg dry	0.590	0.590	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-50-8	**Copper**	**29.2**		mg/kg dry	0.590	0.590	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7439-89-6	**Iron**	**9630**		mg/kg dry	2.36	2.36	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7439-92-1	**Lead**	**121**		mg/kg dry	0.354	0.354	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7439-95-4	**Magnesium**	**18800**		mg/kg dry	5.90	5.90	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7439-96-5	**Manganese**	**219**		mg/kg dry	0.590	0.590	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-02-0	**Nickel**	**12.6**		mg/kg dry	0.590	0.590	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-09-7	**Potassium**	**461**		mg/kg dry	5.90	5.90	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7782-49-2	Selenium	ND		mg/kg dry	1.18	1.18	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-22-4	Silver	ND		mg/kg dry	0.590	0.590	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-23-5	**Sodium**	**169**		mg/kg dry	11.8	11.8	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-28-0	Thallium	ND		mg/kg dry	1.18	1.18	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-62-2	**Vanadium**	**18.1**		mg/kg dry	1.18	1.18	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW
7440-66-6	**Zinc**	**59.1**		mg/kg dry	1.18	1.18	1	EPA 6010C	04/22/2014 12:46	04/22/2014 16:58	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0389	0.0389	1	EPA 7471B	04/24/2014 09:40	04/25/2014 09:42	AA

Sample Information

Client Sample ID: SP-3 0-2 ft **York Sample ID:** 14D0803-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.7**		%	0.100	0.100	1	SM 2540G	04/22/2014 11:28	04/22/2014 16:33	AMC

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.413	0.590	1	EPA 7196A	04/25/2014 09:27	04/25/2014 16:17	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**10.9**		mg/kg	0.250	0.500	1	Calculation	04/25/2014 16:21	04/25/2014 16:30	SC

Sample Information

Client Sample ID: SP-3 6-8 ft **York Sample ID:** 14D0803-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
75-35-4	Dichloroethylene 1,2,4-	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
95-63-6	Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	42	85	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
67-64-1	**Acetone**	**15**	B	ug/kg dry	2.1	8.5	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS

Sample Information

Client Sample ID: **SP-3 6-8 ft** **York Sample ID:** **14D0803-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.1	8.5	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
179601-23-1	p- & m- Xylenes sec-	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
135-98-8	Butylbenzene tert-	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
98-06-6	Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
108-88-3	Toluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.4	13	1	EPA 8260C	04/24/2014 08:00	04/24/2014 18:57	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.0 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*90-112*

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
120-12-7	Anthracene	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	98.1	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR

Sample Information

Client Sample ID: **SP-3 6-8 ft** **York Sample ID:** **14D0803-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
218-01-9	Chrysene	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
206-44-0	**Fluoranthene**	**64.6**	J	ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
86-73-7	Fluorene	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	98.1	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	98.1	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
91-20-3	Naphthalene	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	98.1	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
85-01-8	Phenanthrene	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
108-95-2	Phenol	ND		ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR
129-00-0	**Pyrene**	**53.7**	J	ug/kg dry	49.0	195	1	EPA 8270D	04/22/2014 07:31	04/23/2014 03:54	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*31.0 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*47.0 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*33.9 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*30.3 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*35.6 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*45.8 %*	*10-137*

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:03	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:03	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:03	JW
309-00-2	Aldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:03	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:03	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:03	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:03	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:03	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:03	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:03	JW

Sample Information

Client Sample ID: **SP-3 6-8 ft** **York Sample ID:** **14D0803-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:03	JW
72-20-8	Endrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:03	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:03	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:03	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:03	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*32.3 %*	*30-140*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*39.8 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0198	0.0198	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:28	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	0.0198	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:28	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	0.0198	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:28	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	0.0198	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:28	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	0.0198	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:28	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	0.0198	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:28	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	0.0198	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:28	JW
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	0.0198	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:28	JW

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*38.9 %*		*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*29.3 %*	GC-Surr	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7970**		mg/kg dry	1.17	1.17	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7440-36-0	Antimony	ND		mg/kg dry	0.584	0.584	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7440-38-2	**Arsenic**	**7.59**		mg/kg dry	1.17	1.17	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7440-39-3	**Barium**	**45.4**		mg/kg dry	1.17	1.17	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.117	0.117	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7440-43-9	**Cadmium**	**0.509**		mg/kg dry	0.350	0.350	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7440-70-2	**Calcium**	**13200**		mg/kg dry	0.584	5.84	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7440-47-3	**Chromium**	**12.9**		mg/kg dry	0.584	0.584	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW

Sample Information

Client Sample ID: **SP-3 6-8 ft** **York Sample ID:** **14D0803-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	**Cobalt**	**5.94**		mg/kg dry	0.584	0.584	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7440-50-8	**Copper**	**188**		mg/kg dry	0.584	0.584	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7439-89-6	**Iron**	**14500**		mg/kg dry	2.33	2.33	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7439-92-1	**Lead**	**141**		mg/kg dry	0.350	0.350	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7439-95-4	**Magnesium**	**1510**		mg/kg dry	5.84	5.84	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7439-96-5	**Manganese**	**364**		mg/kg dry	0.584	0.584	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7440-02-0	**Nickel**	**17.6**		mg/kg dry	0.584	0.584	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7440-09-7	**Potassium**	**557**		mg/kg dry	5.84	5.84	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7782-49-2	Selenium	ND		mg/kg dry	1.17	1.17	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7440-22-4	Silver	ND		mg/kg dry	0.584	0.584	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7440-23-5	**Sodium**	**131**		mg/kg dry	11.7	11.7	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7440-28-0	Thallium	ND		mg/kg dry	1.17	1.17	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7440-62-2	**Vanadium**	**22.9**		mg/kg dry	1.17	1.17	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW
7440-66-6	**Zinc**			mg/kg dry	1.17	1.17	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:03	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0385	0.0385	1	EPA 7471B	04/24/2014 09:40	04/25/2014 09:42	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.7**		%	0.100	0.100	1	SM 2540G	04/22/2014 11:28	04/22/2014 16:33	AMC

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.409	0.584	1	EPA 7196A	04/25/2014 09:27	04/25/2014 16:17	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**12.9**		mg/kg	0.250	0.500	1	Calculation	04/25/2014 16:21	04/25/2014 16:30	SC

Sample Information

Client Sample ID: **SP-4 0-2 ft** **York Sample ID:** **14D0803-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
75-35-4	Dichloroethylene 1,2,4-	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
95-63-6	Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
107-06-2	1,2-Dichloroethane 1,3,5-	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
108-67-8	Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	43	86	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
67-64-1	**Acetone**	**22**	B	ug/kg dry	2.2	8.6	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.2	8.6	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
179601-23-1	p- & m- Xylenes sec-	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
135-98-8	Butylbenzene tert-	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
98-06-6	Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.5	13	1	EPA 8260C	04/24/2014 08:00	04/24/2014 19:32	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.7 %*	*75-127*

Sample Information

Client Sample ID: **SP-4 0-2 ft** **York Sample ID:** **14D0803-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: Toluene-d8*	*102 %*			*90-112*						

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
120-12-7	Anthracene	ND		ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
56-55-3	**Benzo(a)anthracene**	**1070**	J	ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
50-32-8	**Benzo(a)pyrene Benzo**	**672**	J	ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
205-99-2	**(b)fluoranthene**	**633**	J	ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	967	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
207-08-9	**Benzo(k)fluoranthene**	**656**	J	ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
218-01-9	**Chrysene**	**898**	J	ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
206-44-0	**Fluoranthene**	**2130**		ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
86-73-7	Fluorene	ND		ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	967	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	967	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
91-20-3	Naphthalene	ND		ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	967	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
85-01-8	**Phenanthrene**	**1350**	J	ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
108-95-2	Phenol	ND		ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR
129-00-0	**Pyrene**	**1950**		ug/kg dry	484	1920	10	EPA 8270D	04/22/2014 07:31	04/23/2014 20:30	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*37.5 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*52.3 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*47.3 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*44.2 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*31.4 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*58.0 %*	*10-137*

Sample Information

Client Sample ID: **SP-4 0-2 ft** **York Sample ID:** **14D0803-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:19	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:19	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:19	JW
309-00-2	Aldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:19	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:19	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:19	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:19	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:19	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:19	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:19	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:19	JW
72-20-8	Endrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:19	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:19	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:19	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:19	JW

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*41.0 %*		*30-140*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*26.1 %*	GC-Surr	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:53	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:53	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:53	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:53	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:53	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:53	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:53	JW
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0196	0.0196	1	EPA 8082A	04/22/2014 07:28	04/23/2014 13:53	JW

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*35.0 %*		*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*33.5 %*		*30-140*

Sample Information

Client Sample ID: **SP-4 0-2 ft** **York Sample ID:** **14D0803-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4530**		mg/kg dry	1.15	1.15	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-36-0	**Antimony**	**0.602**		mg/kg dry	0.576	0.576	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-38-2	**Arsenic**	**25.8**		mg/kg dry	1.15	1.15	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-39-3	**Barium**	**198**		mg/kg dry	1.15	1.15	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.115	0.115	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-43-9	**Cadmium**	**1.47**		mg/kg dry	0.345	0.345	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-70-2	**Calcium**	**58600**		mg/kg dry	0.576	5.76	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-47-3	**Chromium**	**13.0**		mg/kg dry	0.576	0.576	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-48-4	**Cobalt**	**7.91**		mg/kg dry	0.576	0.576	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-50-8	**Copper**	**46.1**		mg/kg dry	0.576	0.576	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7439-89-6	**Iron**	**13300**		mg/kg dry	2.30	2.30	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7439-92-1	**Lead**	**140**		mg/kg dry	0.345	0.345	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7439-95-4	**Magnesium**	**30700**		mg/kg dry	5.76	5.76	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7439-96-5	**Manganese**	**319**		mg/kg dry	0.576	0.576	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-02-0	**Nickel**	**28.1**		mg/kg dry	0.576	0.576	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-09-7	**Potassium**	**695**		mg/kg dry	5.76	5.76	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7782-49-2	Selenium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-22-4	Silver	ND		mg/kg dry	0.576	0.576	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-23-5	**Sodium**	**265**		mg/kg dry	11.5	11.5	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-62-2	**Vanadium**	**28.3**		mg/kg dry	1.15	1.15	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW
7440-66-6	**Zinc**	**140**		mg/kg dry	1.15	1.15	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:21	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0380	0.0380	1	EPA 7471B	04/24/2014 09:40	04/25/2014 09:42	AA

Sample Information

Client Sample ID: **SP-4 0-2 ft** **York Sample ID:** **14D0803-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.8**		%	0.100	0.100	1	SM 2540G	04/22/2014 11:28	04/22/2014 16:33	AMC

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.403	0.576	1	EPA 7196A	04/25/2014 09:27	04/25/2014 16:17	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**13.0**		mg/kg	0.250	0.500	1	Calculation	04/25/2014 16:21	04/25/2014 16:30	SC

Sample Information

Client Sample ID: **SP-4 6-8 ft** **York Sample ID:** **14D0803-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
75-35-4	Dichloroethylene 1,2,4-	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
95-63-6	Trimethylbenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	59	120	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
78-93-3	**2-Butanone**	**4.1**	J	ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
67-64-1	**Acetone**		B	ug/kg dry	3.0	12	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS

Sample Information

Client Sample ID: **SP-4 6-8 ft** **York Sample ID:** **14D0803-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
67-66-3	Chloroform	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
75-09-2	Methylene chloride	ND		ug/kg dry	3.0	12	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
179601-23-1	p- & m- Xylenes sec-	ND		ug/kg dry	5.9	12	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
135-98-8	Butylbenzene tert-	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
98-06-6	Butylbenzene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
108-88-3	Toluene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.0	5.9	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.9	18	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:07	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.8 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*90-112*

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
120-12-7	Anthracene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	116	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR

Sample Information

Client Sample ID: **SP-4 6-8 ft** **York Sample ID:** **14D0803-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
218-01-9	Chrysene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
206-44-0	Fluoranthene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
86-73-7	Fluorene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	116	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	116	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
91-20-3	Naphthalene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	116	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
85-01-8	Phenanthrene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
108-95-2	Phenol	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR
129-00-0	Pyrene	ND		ug/kg dry	58.0	230	1	EPA 8270D	04/22/2014 07:31	04/23/2014 04:28	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*39.5 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*55.3 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*39.7 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*37.9 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*38.0 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*53.7 %*	*10-137*

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:35	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:35	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:35	JW
309-00-2	Aldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:35	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:35	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:35	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:35	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:35	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:35	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:35	JW

Sample Information

Client Sample ID: **SP-4 6-8 ft** **York Sample ID:** **14D0803-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:35	JW
72-20-8	Endrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:35	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:35	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:35	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:35	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*36.0 %*	*30-140*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*46.4 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0235	0.0235	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:57	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0235	0.0235	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:57	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0235	0.0235	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:57	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0235	0.0235	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:57	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0235	0.0235	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:57	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0235	0.0235	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:57	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0235	0.0235	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:57	JW
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0235	0.0235	1	EPA 8082A	04/22/2014 07:28	04/23/2014 01:57	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*43.3 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*33.5 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6100**		mg/kg dry	1.38	1.38	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7440-36-0	Antimony	ND		mg/kg dry	0.690	0.690	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7440-38-2	**Arsenic**	**11.6**		mg/kg dry	1.38	1.38	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7440-39-3	**Barium**	**162**		mg/kg dry	1.38	1.38	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.138	0.138	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.414	0.414	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7440-70-2	**Calcium**	**6460**		mg/kg dry	0.690	6.90	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7440-47-3	**Chromium**	**21.2**		mg/kg dry	0.690	0.690	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW

Sample Information

Client Sample ID: **SP-4 6-8 ft** **York Sample ID:** **14D0803-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	**Cobalt**	**9.44**		mg/kg dry	0.690	0.690	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7440-50-8	**Copper**	**51.4**		mg/kg dry	0.690	0.690	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7439-89-6	**Iron**	**9750**		mg/kg dry	2.76	2.76	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7439-92-1	**Lead**	**230**		mg/kg dry	0.414	0.414	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7439-95-4	**Magnesium**	**490**		mg/kg dry	6.90	6.90	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7439-96-5	**Manganese**	**95.2**		mg/kg dry	0.690	0.690	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7440-02-0	**Nickel**	**26.1**		mg/kg dry	0.690	0.690	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7440-09-7	**Potassium**	**553**		mg/kg dry	6.90	6.90	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7782-49-2	Selenium	ND		mg/kg dry	1.38	1.38	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7440-22-4	Silver	ND		mg/kg dry	0.690	0.690	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7440-23-5	**Sodium**	**301**		mg/kg dry	13.8	13.8	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7440-28-0	Thallium	ND		mg/kg dry	1.38	1.38	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7440-62-2	**Vanadium**	**32.4**		mg/kg dry	1.38	1.38	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW
7440-66-6	**Zinc**			mg/kg dry	1.38	1.38	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:25	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0456	0.0456	1	EPA 7471B	04/24/2014 09:40	04/25/2014 09:42	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**72.4**		%	0.100	0.100	1	SM 2540G	04/22/2014 11:28	04/22/2014 16:33	AMC

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.483	0.690	1	EPA 7196A	04/25/2014 09:27	04/25/2014 16:17	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**21.2**		mg/kg	0.250	0.500	1	Calculation	04/25/2014 16:21	04/25/2014 16:30	SC

Sample Information

Client Sample ID: **SP-5 0-2 ft** **York Sample ID:** **14D0803-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
75-35-4	Dichloroethylene 1,2,4-	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
95-63-6	Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
107-06-2	1,2-Dichloroethane 1,3,5-	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
108-67-8	Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	47	94	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
67-64-1	**Acetone**	**25**	B	ug/kg dry	2.3	9.4	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.3	9.4	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
179601-23-1	p- & m- Xylenes sec-	ND		ug/kg dry	4.7	9.4	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
135-98-8	Butylbenzene tert-	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
98-06-6	Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.0	14	1	EPA 8260C	04/24/2014 08:00	04/24/2014 20:42	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.0 %*	*75-127*

Sample Information

Client Sample ID: **SP-5 0-2 ft** **York Sample ID:** **14D0803-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: Toluene-d8*	*100 %*			*90-112*						

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
120-12-7	Anthracene	ND		ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
56-55-3	**Benzo(a)anthracene**	**748**	J	ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
50-32-8	**Benzo(a)pyrene Benzo**	**502**	J	ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
205-99-2	**(b)fluoranthene**	**500**	J	ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	456	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
207-08-9	**Benzo(k)fluoranthene**	**518**	J	ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
218-01-9	**Chrysene**	**643**	J	ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
206-44-0	**Fluoranthene**	**1460**		ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
86-73-7	Fluorene	ND		ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	456	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	456	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
91-20-3	Naphthalene	ND		ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	456	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
85-01-8	**Phenanthrene**	**821**	J	ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
108-95-2	Phenol	ND		ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR
129-00-0	**Pyrene**	**1240**		ug/kg dry	228	906	5	EPA 8270D	04/22/2014 07:31	04/23/2014 21:02	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*26.8 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*43.0 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*45.8 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*36.7 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*36.9 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*51.0 %*	*10-137*

Sample Information

Client Sample ID: **SP-5 0-2 ft** **York Sample ID:** **14D0803-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:51	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:51	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:51	JW
309-00-2	Aldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:51	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:51	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:51	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:51	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:51	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:51	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:51	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:51	JW
72-20-8	Endrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:51	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:51	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:51	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/22/2014 07:28	04/23/2014 14:51	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.5 %*	*30-140*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*41.0 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A	04/22/2014 07:28	04/22/2014 21:02	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A	04/22/2014 07:28	04/22/2014 21:02	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A	04/22/2014 07:28	04/22/2014 21:02	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A	04/22/2014 07:28	04/22/2014 21:02	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A	04/22/2014 07:28	04/22/2014 21:02	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A	04/22/2014 07:28	04/22/2014 21:02	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A	04/22/2014 07:28	04/22/2014 21:02	JW
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A	04/22/2014 07:28	04/22/2014 21:02	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*35.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*39.5 %*	*30-140*

Sample Information

Client Sample ID: **SP-5 0-2 ft** **York Sample ID:** **14D0803-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5990**		mg/kg dry	1.09	1.09	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-36-0	**Antimony**	**0.803**		mg/kg dry	0.543	0.543	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-38-2	**Arsenic**	**23.1**		mg/kg dry	1.09	1.09	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-39-3	**Barium**	**468**		mg/kg dry	1.09	1.09	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-43-9	**Cadmium**	**1.48**		mg/kg dry	0.326	0.326	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-70-2	**Calcium**	**18900**		mg/kg dry	0.543	5.43	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-47-3	**Chromium**	**21.2**		mg/kg dry	0.543	0.543	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-48-4	**Cobalt**	**6.82**		mg/kg dry	0.543	0.543	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-50-8	**Copper**	**44.6**		mg/kg dry	0.543	0.543	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7439-89-6	**Iron**	**16200**		mg/kg dry	2.17	2.17	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7439-92-1	**Lead**	**208**		mg/kg dry	0.326	0.326	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7439-95-4	**Magnesium**	**5290**		mg/kg dry	5.43	5.43	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7439-96-5	**Manganese**	**266**		mg/kg dry	0.543	0.543	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-02-0	**Nickel**	**27.2**		mg/kg dry	0.543	0.543	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-09-7	**Potassium**	**659**		mg/kg dry	5.43	5.43	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7782-49-2	Selenium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-22-4	Silver	ND		mg/kg dry	0.543	0.543	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-23-5	**Sodium**	**180**		mg/kg dry	10.9	10.9	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-62-2	**Vanadium**	**25.9**		mg/kg dry	1.09	1.09	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW
7440-66-6	**Zinc**	**234**		mg/kg dry	1.09	1.09	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:30	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0359	0.0359	1	EPA 7471B	04/24/2014 09:40	04/25/2014 09:42	AA

Sample Information

Client Sample ID: SP-5 0-2 ft **York Sample ID:** 14D0803-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.0**		%	0.100	0.100	1	SM 2540G	04/22/2014 11:28	04/22/2014 16:33	AMC

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.380	0.543	1	EPA 7196A	04/25/2014 09:27	04/25/2014 16:17	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**21.2**		mg/kg	0.250	0.500	1	Calculation	04/25/2014 16:21	04/25/2014 16:30	SC

Sample Information

Client Sample ID: SP-5 6-8 ft **York Sample ID:** 14D0803-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
75-35-4	Dichloroethylene 1,2,4-	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
95-63-6	Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	54	110	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
67-64-1	**Acetone**	**57**	B	ug/kg dry	2.7	11	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS

Sample Information

Client Sample ID: **SP-5 6-8 ft** **York Sample ID:** **14D0803-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reissued to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
75-09-2	**Methylene chloride**	**3.8**	J	ug/kg dry	2.7	11	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
104-51-8	n-Butylbenzene n-	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
103-65-1	Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
179601-23-1	p- & m- Xylenes sec-	ND		ug/kg dry	5.4	11	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
135-98-8	Butylbenzene tert-	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
98-06-6	Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.2	16	1	EPA 8260C	04/24/2014 16:40	04/24/2014 21:17	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*114 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.3 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*98.8 %*	*90-112*

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reissued to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
120-12-7	Anthracene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	111	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR

Sample Information

Client Sample ID: **SP-5 6-8 ft** **York Sample ID:** **14D0803-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
218-01-9	Chrysene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
206-44-0	Fluoranthene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
86-73-7	Fluorene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	111	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	111	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
91-20-3	Naphthalene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	111	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
85-01-8	Phenanthrene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
108-95-2	Phenol	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR
129-00-0	Pyrene	ND		ug/kg dry	55.3	219	1	EPA 8270D	04/22/2014 07:31	04/23/2014 10:41	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*35.0 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*43.0 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*32.5 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*28.2 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*37.2 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*43.9 %*	*10-137*

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 17:01	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 17:01	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 17:01	JW
309-00-2	Aldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 17:01	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 17:01	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 17:01	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 17:01	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 17:01	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 17:01	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 17:01	JW

Sample Information

Client Sample ID: **SP-5 6-8 ft** **York Sample ID:** **14D0803-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 17:01	JW
72-20-8	Endrin	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 17:01	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 17:01	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 17:01	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.65	1.65	5	EPA 8081B	04/24/2014 07:41	04/24/2014 17:01	JW

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*30.4 %*		*30-140*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*33.3 %*		*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:42	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:42	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:42	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:42	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:42	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:42	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:42	JW
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0224	0.0224	1	EPA 8082A	04/24/2014 07:41	04/25/2014 08:42	JW

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*26.6 %*	S-DUP	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*19.1 %*	S-DUP	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**15400**		mg/kg dry	1.32	1.32	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7440-36-0	Antimony	ND		mg/kg dry	0.658	0.658	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7440-38-2	**Arsenic**	**3.65**		mg/kg dry	1.32	1.32	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7440-39-3	**Barium**	**72.3**		mg/kg dry	1.32	1.32	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.132	0.132	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7440-43-9	**Cadmium**	**0.404**		mg/kg dry	0.395	0.395	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7440-70-2	**Calcium**	**3020**		mg/kg dry	0.658	6.58	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7440-47-3	**Chromium**	**16.3**		mg/kg dry	0.658	0.658	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW

Sample Information

Client Sample ID: **SP-5 6-8 ft** **York Sample ID:** **14D0803-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Soil	April 16, 2014 3:00 pm	04/21/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	**Cobalt**	**5.13**		mg/kg dry	0.658	0.658	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7440-50-8	**Copper**	**14.2**		mg/kg dry	0.658	0.658	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7439-89-6	**Iron**	**12200**		mg/kg dry	2.63	2.63	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7439-92-1	**Lead**	**41.1**		mg/kg dry	0.395	0.395	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7439-95-4	**Magnesium**	**2130**		mg/kg dry	6.58	6.58	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7439-96-5	**Manganese**	**72.3**		mg/kg dry	0.658	0.658	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7440-02-0	**Nickel**	**17.8**		mg/kg dry	0.658	0.658	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7440-09-7	**Potassium**	**861**		mg/kg dry	6.58	6.58	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7782-49-2	Selenium	ND		mg/kg dry	1.32	1.32	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7440-22-4	Silver	ND		mg/kg dry	0.658	0.658	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7440-23-5	**Sodium**	**157**		mg/kg dry	13.2	13.2	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7440-28-0	Thallium	ND		mg/kg dry	1.32	1.32	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7440-62-2	**Vanadium**	**17.7**		mg/kg dry	1.32	1.32	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW
7440-66-6	**Zinc**	**105**		mg/kg dry	1.32	1.32	1	EPA 6010C	04/22/2014 12:46	04/22/2014 17:35	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0434	0.0434	1	EPA 7471B	04/24/2014 09:46	04/25/2014 16:30	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**76.0**		%	0.100	0.100	1	SM 2540G	04/23/2014 08:06	04/23/2014 10:53	ALD

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.461	0.658	1	EPA 7196A	04/25/2014 09:27	04/25/2014 16:17	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**12.4**		mg/kg	0.250	0.500	1	Calculation	04/25/2014 16:21	04/25/2014 16:30	SC

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14D0803-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Water	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
75-35-4	Dichloroethylene 1,2,4-	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
95-63-6	Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
107-06-2	1,2-Dichloroethane 1,3,5-	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
108-67-8	Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	04/22/2014 16:33	04/25/2014 13:27	BK
78-93-3	2-Butanone	ND		ug/L	0.50	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
179601-23-1	p- & m- Xylenes sec-	ND		ug/L	0.50	1.0	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
135-98-8	Butylbenzene tert-	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
98-06-6	Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:27	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.8 %*	*70-128*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14D0803-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Water	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: Toluene-d8*	*95.6 %*			*88-114*						

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
50-32-8	Benzo(a)pyrene Benzo	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
205-99-2	(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D	04/22/2014 08:03	04/22/2014 23:27	SR
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/22/2014 08:03	04/22/2014 23:27	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D	04/22/2014 08:03	04/22/2014 23:27	SR
91-20-3	Naphthalene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
85-01-8	Phenanthrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/22/2014 08:03	04/22/2014 23:27	SR
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/22/2014 08:03	04/22/2014 18:45	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*16.1 %*	*10-53*
4165-62-2	*Surrogate: Phenol-d5*	*11.6 %*	*10-39*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*46.6 %*	*10-120*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*42.3 %*	*10-108*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*36.6 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*46.0 %*	*10-143*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14D0803-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Water	April 16, 2014 3:00 pm	04/21/2014

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	0.00400	1	EPA 8081B	04/22/2014 07:59	04/24/2014 12:07	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00400	0.00400	1	EPA 8081B	04/22/2014 07:59	04/24/2014 12:07	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00400	0.00400	1	EPA 8081B	04/22/2014 07:59	04/24/2014 12:07	JW
309-00-2	Aldrin	ND		ug/L	0.00400	0.00400	1	EPA 8081B	04/22/2014 07:59	04/24/2014 12:07	JW
319-84-6	alpha-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B	04/22/2014 07:59	04/24/2014 12:07	JW
319-85-7	beta-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B	04/22/2014 07:59	04/24/2014 12:07	JW
319-86-8	delta-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B	04/22/2014 07:59	04/24/2014 12:07	JW
60-57-1	Dieldrin	ND		ug/L	0.00200	0.00200	1	EPA 8081B	04/22/2014 07:59	04/24/2014 12:07	JW
959-98-8	Endosulfan I	ND		ug/L	0.00400	0.00400	1	EPA 8081B	04/22/2014 07:59	04/24/2014 12:07	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	0.00400	1	EPA 8081B	04/22/2014 07:59	04/24/2014 12:07	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00400	0.00400	1	EPA 8081B	04/22/2014 07:59	04/24/2014 12:07	JW
72-20-8	Endrin	ND		ug/L	0.00400	0.00400	1	EPA 8081B	04/22/2014 07:59	04/24/2014 12:07	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	0.00400	1	EPA 8081B	04/22/2014 07:59	04/24/2014 12:07	JW
76-44-8	Heptachlor	ND		ug/L	0.00400	0.00400	1	EPA 8081B	04/22/2014 07:59	04/24/2014 12:07	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	0.00400	1	EPA 8081B	04/22/2014 07:59	04/24/2014 12:07	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*65.7 %*	*30-120*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*55.8 %*	*30-120*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	0.0500	1	EPA 8082A	04/22/2014 07:59	04/23/2014 21:49	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	0.0500	1	EPA 8082A	04/22/2014 07:59	04/23/2014 21:49	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	0.0500	1	EPA 8082A	04/22/2014 07:59	04/23/2014 21:49	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	0.0500	1	EPA 8082A	04/22/2014 07:59	04/23/2014 21:49	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	0.0500	1	EPA 8082A	04/22/2014 07:59	04/23/2014 21:49	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	0.0500	1	EPA 8082A	04/22/2014 07:59	04/23/2014 21:49	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	0.0500	1	EPA 8082A	04/22/2014 07:59	04/23/2014 21:49	JW
1336-36-3	* Total PCBs	ND		ug/L	0.0500	0.0500	1	EPA 8082A	04/22/2014 07:59	04/23/2014 21:49	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*60.6 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*62.3 %*	*30-120*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14D0803-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Water	April 16, 2014 3:00 pm	04/21/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-39-3	Barium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-70-2	Calcium	ND		mg/L	0.050	0.050	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7439-95-4	Magnesium	ND		mg/L	0.050	0.050	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7439-96-5	Manganese	ND		mg/L	0.005	0.005	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-09-7	**Potassium**	**0.052**		mg/L	0.050	0.050	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-23-5	Sodium	ND		mg/L	0.100	0.100	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW
7440-66-6	**Zinc**	**0.014**		mg/L	0.010	0.010	1	EPA 6010C	04/22/2014 08:27	04/22/2014 12:52	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	0.0002	1	EPA 7470	04/24/2014 09:30	04/25/2014 09:40	AA

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14D0803-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Water	April 16, 2014 3:00 pm	04/21/2014

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	0.0100	1	EPA 7196A	04/23/2014 07:57	04/24/2014 16:39	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.00800	0.0100	1	Calculation	04/24/2014 16:42	04/24/2014 16:44	SC

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **14D0803-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Water	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
75-35-4	Dichloroethylene 1,2,4-	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
95-63-6	Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
106-46-7	**1,4-Dichlorobenzene**	**1.0**		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	04/22/2014 16:33	04/25/2014 14:08	BK
78-93-3	2-Butanone	ND		ug/L	0.50	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **14D0803-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0803	#140078 100 Union Ave Brooklyn NY	Water	April 16, 2014 3:00 pm	04/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Revised to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
179601-23-1	p- & m- Xylenes sec-	ND		ug/L	0.50	1.0	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
135-98-8	Butylbenzene tert-	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
98-06-6	Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	04/22/2014 16:33	04/23/2014 10:57	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.9 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*96.2 %*	*88-114*

Analytical Batch Summary

Batch ID: BD41023 **Preparation Method:** EPA 3550C **Prepared By:** CM

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-01	SP-1 0-2 ft	04/22/14
14D0803-01	SP-1 0-2 ft	04/22/14
14D0803-02	SP-1 6-8 ft	04/22/14
14D0803-02	SP-1 6-8 ft	04/22/14
14D0803-05	SP-3 0-2 ft	04/22/14
14D0803-05	SP-3 0-2 ft	04/22/14
14D0803-06	SP-3 6-8 ft	04/22/14
14D0803-06	SP-3 6-8 ft	04/22/14
14D0803-07	SP-4 0-2 ft	04/22/14
14D0803-07	SP-4 0-2 ft	04/22/14
14D0803-08	SP-4 6-8 ft	04/22/14
14D0803-08	SP-4 6-8 ft	04/22/14
14D0803-09	SP-5 0-2 ft	04/22/14
14D0803-09	SP-5 0-2 ft	04/22/14
BD41023-BLK1	Blank	04/22/14
BD41023-BLK1	Blank	04/22/14
BD41023-BS1	LCS	04/22/14
BD41023-BS2	LCS	04/22/14
BD41023-BSD1	LCS Dup	04/22/14

Batch ID: BD41024 **Preparation Method:** EPA 3550C **Prepared By:** CC

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-01	SP-1 0-2 ft	04/22/14
14D0803-02	SP-1 6-8 ft	04/22/14
14D0803-03	SP-2 0-2 ft	04/22/14
14D0803-04	SP-2 6-8 ft	04/22/14
14D0803-05	SP-3 0-2 ft	04/22/14
14D0803-06	SP-3 6-8 ft	04/22/14
14D0803-07	SP-4 0-2 ft	04/22/14
14D0803-08	SP-4 6-8 ft	04/22/14
14D0803-09	SP-5 0-2 ft	04/22/14
14D0803-10	SP-5 6-8 ft	04/22/14
BD41024-BLK1	Blank	04/22/14
BD41024-BS1	LCS	04/22/14
BD41024-BSD1	LCS Dup	04/22/14

Batch ID: BD41034 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-11	Field Blank	04/22/14
14D0803-11	Field Blank	04/22/14
BD41034-BLK1	Blank	04/22/14
BD41034-BLK1	Blank	04/22/14
BD41034-BS1	LCS	04/22/14

BD41034-BS2	LCS	04/22/14
BD41034-BSD1	LCS Dup	04/22/14
BD41034-BSD2	LCS Dup	04/22/14

Batch ID: BD41035 **Preparation Method:** EPA 3510C **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-11	Field Blank	04/22/14
BD41035-BLK1	Blank	04/22/14
BD41035-BS1	LCS	04/22/14
BD41035-BS2	LCS	04/22/14
BD41035-BSD1	LCS Dup	04/22/14

Batch ID: BD41038 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-11	Field Blank	04/22/14
BD41038-BLK1	Blank	04/22/14
BD41038-SRM1	Reference	04/22/14
BD41038-SRM2	Reference	04/22/14

Batch ID: BD41052 **Preparation Method:** % Solids Prep **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-01	SP-1 0-2 ft	04/22/14
14D0803-02	SP-1 6-8 ft	04/22/14
14D0803-03	SP-2 0-2 ft	04/22/14
14D0803-04	SP-2 6-8 ft	04/22/14
14D0803-05	SP-3 0-2 ft	04/22/14
14D0803-06	SP-3 6-8 ft	04/22/14
14D0803-07	SP-4 0-2 ft	04/22/14
14D0803-08	SP-4 6-8 ft	04/22/14
14D0803-09	SP-5 0-2 ft	04/22/14

Batch ID: BD41059 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-01	SP-1 0-2 ft	04/22/14
14D0803-02	SP-1 6-8 ft	04/22/14
14D0803-03	SP-2 0-2 ft	04/22/14
14D0803-04	SP-2 6-8 ft	04/22/14
14D0803-05	SP-3 0-2 ft	04/22/14
14D0803-06	SP-3 6-8 ft	04/22/14
14D0803-07	SP-4 0-2 ft	04/22/14
14D0803-08	SP-4 6-8 ft	04/22/14
14D0803-09	SP-5 0-2 ft	04/22/14
14D0803-10	SP-5 6-8 ft	04/22/14
BD41059-BLK1	Blank	04/22/14
BD41059-DUP1	Duplicate	04/22/14

BD41059-MS1	Matrix Spike	04/22/14
BD41059-SRM1	Reference	04/22/14

Batch ID: BD41078 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-11	Field Blank	04/22/14
14D0803-12	Trip Blank	04/22/14
BD41078-BLK1	Blank	04/22/14
BD41078-BS1	LCS	04/22/14
BD41078-BSD1	LCS Dup	04/22/14

Batch ID: BD41103 **Preparation Method:** Analysis Preparation **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-11	Field Blank	04/23/14
BD41103-BLK1	Blank	04/23/14
BD41103-BS1	LCS	04/23/14
BD41103-DUP1	Duplicate	04/23/14
BD41103-MS1	Matrix Spike	04/23/14

Batch ID: BD41105 **Preparation Method:** % Solids Prep **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-10	SP-5 6-8 ft	04/23/14

Batch ID: BD41180 **Preparation Method:** EPA 3550C **Prepared By:** CC

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-03	SP-2 0-2 ft	04/24/14
14D0803-03	SP-2 0-2 ft	04/24/14
14D0803-04	SP-2 6-8 ft	04/24/14
14D0803-04	SP-2 6-8 ft	04/24/14
14D0803-10	SP-5 6-8 ft	04/24/14
14D0803-10	SP-5 6-8 ft	04/24/14
BD41180-BLK1	Blank	04/24/14
BD41180-BLK1	Blank	04/24/14
BD41180-BS1	LCS	04/24/14
BD41180-BS2	LCS	04/24/14
BD41180-BSD1	LCS Dup	04/24/14
BD41180-BSD2	LCS Dup	04/24/14

Batch ID: BD41188 **Preparation Method:** EPA SW846-7470 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-11	Field Blank	04/24/14
BD41188-BLK1	Blank	04/24/14
BD41188-BLK2	Blank	04/24/14

BD41188-BS1	LCS	04/24/14
BD41188-BS2	LCS	04/24/14

Batch ID: BD41189 **Preparation Method:** EPA SW846-7471 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-01	SP-1 0-2 ft	04/24/14
14D0803-02	SP-1 6-8 ft	04/24/14
14D0803-03	SP-2 0-2 ft	04/24/14
14D0803-04	SP-2 6-8 ft	04/24/14
14D0803-05	SP-3 0-2 ft	04/24/14
14D0803-06	SP-3 6-8 ft	04/24/14
14D0803-07	SP-4 0-2 ft	04/24/14
14D0803-08	SP-4 6-8 ft	04/24/14
14D0803-09	SP-5 0-2 ft	04/24/14
BD41189-BLK1	Blank	04/24/14
BD41189-BS1	LCS	04/24/14

Batch ID: BD41191 **Preparation Method:** EPA SW846-7471 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-10	SP-5 6-8 ft	04/24/14
BD41191-BLK1	Blank	04/24/14
BD41191-BS1	LCS	04/24/14

Batch ID: BD41227 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-01	SP-1 0-2 ft	04/24/14
14D0803-03	SP-2 0-2 ft	04/24/14
14D0803-04	SP-2 6-8 ft	04/24/14
14D0803-05	SP-3 0-2 ft	04/24/14
14D0803-06	SP-3 6-8 ft	04/24/14
14D0803-07	SP-4 0-2 ft	04/24/14
14D0803-08	SP-4 6-8 ft	04/24/14
14D0803-09	SP-5 0-2 ft	04/24/14
14D0803-10	SP-5 6-8 ft	04/24/14
BD41227-BLK1	Blank	04/24/14
BD41227-BS1	LCS	04/24/14
BD41227-BSD1	LCS Dup	04/24/14

Batch ID: BD41232 **Preparation Method:** *** DEFAULT PREP *** **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-11	Field Blank	04/24/14

Batch ID: BD41261 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-01	SP-1 0-2 ft	04/25/14
14D0803-02	SP-1 6-8 ft	04/25/14
14D0803-03	SP-2 0-2 ft	04/25/14
14D0803-04	SP-2 6-8 ft	04/25/14
14D0803-05	SP-3 0-2 ft	04/25/14
14D0803-06	SP-3 6-8 ft	04/25/14
14D0803-07	SP-4 0-2 ft	04/25/14
14D0803-08	SP-4 6-8 ft	04/25/14
14D0803-09	SP-5 0-2 ft	04/25/14
14D0803-10	SP-5 6-8 ft	04/25/14
BD41261-BLK1	Blank	04/25/14
BD41261-DUP1	Duplicate	04/25/14
BD41261-MS1	Matrix Spike	04/25/14
BD41261-SRM1	Reference	04/25/14

Batch ID: BD41274 **Preparation Method:** EPA 5035A **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-02	SP-1 6-8 ft	04/25/14
BD41274-BLK1	Blank	04/25/14
BD41274-BS1	LCS	04/25/14
BD41274-BSD1	LCS Dup	04/25/14

Batch ID: BD41276 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-11RE1	Field Blank	04/22/14
14D0803-12RE1	Trip Blank	04/22/14
BD41276-BLK1	Blank	04/25/14
BD41276-BLK2	Blank	04/25/14
BD41276-BS1	LCS	04/25/14
BD41276-BSD1	LCS Dup	04/25/14

Batch ID: BD41299 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14D0803-01	SP-1 0-2 ft	04/25/14
14D0803-02	SP-1 6-8 ft	04/25/14
14D0803-03	SP-2 0-2 ft	04/25/14
14D0803-04	SP-2 6-8 ft	04/25/14
14D0803-05	SP-3 0-2 ft	04/25/14
14D0803-06	SP-3 6-8 ft	04/25/14
14D0803-07	SP-4 0-2 ft	04/25/14
14D0803-08	SP-4 6-8 ft	04/25/14
14D0803-09	SP-5 0-2 ft	04/25/14
14D0803-10	SP-5 6-8 ft	04/25/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41078 - EPA 5030B											
Blank (BD41078-BLK1)											
Prepared: 04/22/2014 Analyzed: 04/23/2014											
1,1,1-Trichloroethane	ND	0.50	ug/L								
1,1-Dichloroethane 1,1-	ND	0.50	"								
Dichloroethylene 1,2,4-	ND	0.50	"								
Trimethylbenzene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane 1,3,5-	ND	0.50	"								
Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2-Butanone	ND	0.50	"								
Acetone	3.6	2.0	"								
Benzene	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroform	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	0.24	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*11.5*		*"*	*10.0*		*115*	*81-123*				
Surrogate: p-Bromofluorobenzene	*9.47*		*"*	*10.0*		*94.7*	*70-128*				
Surrogate: Toluene-d8	*9.57*		*"*	*10.0*		*95.7*	*88-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41078 - EPA 5030B											
LCS (BD41078-BS1)											
Prepared: 04/22/2014 Analyzed: 04/23/2014											
1,1,1-Trichloroethane	9.8		ug/L	10.0		98.1	74-128				
1,1-Dichloroethane 1,1-	9.0		"	10.0		89.6	70-131				
Dichloroethylene 1,2,4-	9.2		"	10.0		91.7	60-143				
Trimethylbenzene	10		"	10.0		103	83-121				
1,2-Dichlorobenzene	8.7		"	10.0		87.0	85-115				
1,2-Dichloroethane 1,3,5-	10		"	10.0		101	72-126				
Trimethylbenzene	10		"	10.0		100	84-118				
1,3-Dichlorobenzene	10		"	10.0		102	83-117				
1,4-Dichlorobenzene	10		"	10.0		103	83-118				
2-Butanone	9.0		"	10.0		89.9	48-156				
Acetone	14		"	10.0		138	21-172				
Benzene	9.6		"	10.0		95.9	82-120				
Carbon tetrachloride	9.7		"	10.0		97.1	72-132				
Chlorobenzene	10		"	10.0		99.7	88-112				
Chloroform	9.5		"	10.0		95.3	77-124				
cis-1,2-Dichloroethylene	9.0		"	10.0		89.8	77-124				
Ethyl Benzene	9.6		"	10.0		96.1	86-114				
Methyl tert-butyl ether (MTBE)	8.9		"	10.0		89.2	49-156				
Methylene chloride	8.7		"	10.0		86.6	51-145				
n-Butylbenzene	9.5		"	10.0		95.0	76-125				
n-Propylbenzene	9.7		"	10.0		96.7	84-118				
o-Xylene	9.7		"	10.0		96.8	85-114				
p- & m- Xylenes	19		"	20.0		96.2	84-117				
sec-Butylbenzene	9.9		"	10.0		99.1	85-119				
tert-Butylbenzene	10		"	10.0		101	83-119				
Tetrachloroethylene	9.7		"	10.0		96.9	75-129				
Toluene	9.7		"	10.0		97.0	86-113				
trans-1,2-Dichloroethylene	9.3		"	10.0		92.9	55-148				
Trichloroethylene	10		"	10.0		101	85-115				
Vinyl Chloride	7.2		"	10.0		72.2	44-152				
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*81-123*				
Surrogate: p-Bromofluorobenzene	*9.97*		*"*	*10.0*		*99.7*	*70-128*				
Surrogate: Toluene-d8			*"*	*10.0*		*97.1*	*88-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41078 - EPA 5030B											
LCS Dup (BD41078-BSD1)								Prepared: 04/22/2014 Analyzed: 04/23/2014			
1,1,1-Trichloroethane	11		ug/L	10.0		113	74-128		14.1	30	
1,1-Dichloroethane 1,1-	9		"	10.0		103	70-131		14.1	30	
Dichloroethylene 1,2,4-	12		"	10.0		116	60-143		23.5	30	
Trimethylbenzene	10		"	10.0		102	83-121		0.779	30	
1,2-Dichlorobenzene	8.4		"	10.0		84.4	85-115	Low Bias	3.03	30	
1,2-Dichloroethane 1,3,5-	10		"	10.0		113	72-126		10.6	30	
Trimethylbenzene	10		"	10.0		101	84-118		0.895	30	
1,3-Dichlorobenzene	10		"	10.0		101	83-117		0.690	30	
1,4-Dichlorobenzene	9.9		"	10.0		98.7	83-118		4.46	30	
2-Butanone	0.91		"	10.0		9.10	48-156	Low Bias	163	30	Non-dir.
Acetone	13		"	10.0		130	21-172		5.60	30	
Benzene	11		"	10.0		109	82-120		13.0	30	
Carbon tetrachloride	11		"	10.0		116	72-132		17.8	30	
Chlorobenzene	10		"	10.0		103	88-112		2.87	30	
Chloroform	11		"	10.0		109	77-124		13.1	30	
cis-1,2-Dichloroethylene	10		"	10.0		101	77-124		11.9	30	
Ethyl Benzene	10		"	10.0		102	86-114		6.15	30	
Methyl tert-butyl ether (MTBE)	9.9		"	10.0		98.7	49-156		10.1	30	
Methylene chloride	9.2		"	10.0		92.1	51-145		6.16	30	
n-Butylbenzene	9.6		"	10.0		96.0	76-125		1.05	30	
n-Propylbenzene	9.7		"	10.0		97.1	84-118		0.413	30	
o-Xylene	10		"	10.0		99.6	85-114		2.85	30	
p- & m- Xylenes	20		"	20.0		101	84-117		4.57	30	
sec-Butylbenzene	9.8		"	10.0		98.0	85-119		1.12	30	
tert-Butylbenzene	10		"	10.0		99.8	83-119		1.29	30	
Tetrachloroethylene	11		"	10.0		108	75-129		10.4	30	
Toluene	10		"	10.0		103	86-113		5.81	30	
trans-1,2-Dichloroethylene	11		"	10.0		107	55-148		14.3	30	
Trichloroethylene	11		"	10.0		106	85-115		4.93	30	
Vinyl Chloride	10		"	10.0		104	44-152		35.8	30	Non-dir.
Surrogate: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*81-123*				
Surrogate: p-Bromofluorobenzene	*9.76*		*"*	*10.0*		*97.6*	*70-128*				
Surrogate: Toluene-d8			*"*	*10.0*		*100*	*88-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41227 - EPA 5035A											
Blank (BD41227-BLK1)											Prepared & Analyzed: 04/24/2014
1,1,1-Trichloroethane	ND	5.0	ug/kg wet								
1,1-Dichloroethane 1,1-	ND	5.0	"								
Dichloroethylene 1,2,4-	ND	5.0	"								
Trimethylbenzene	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane 1,3,5-	ND	5.0	"								
Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
Acetone	12	10	"								
Benzene	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroform	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
sec-Butylbenzene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*50.5*		*ug/L*	*50.0*		*101*	*67-130*				
Surrogate: p-Bromofluorobenzene	*49.5*		*"*	*50.0*		*99.1*	*75-127*				
Surrogate: Toluene-d8	*50.3*		*"*	*50.0*		*101*	*90-112*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41227 - EPA 5035A											
LCS (BD41227-BS1)								Prepared & Analyzed: 04/24/2014			
1,1,1-Trichloroethane	53		ug/L	50.0		107	74-126				
1,1-Dichloroethane 1,1-	56		"	50.0		112	80-125				
Dichloroethylene 1,2,4-	62		"	50.0		124	62-136				
Trimethylbenzene	51		"	50.0		101	83-123				
1,2-Dichlorobenzene	54		"	50.0		108	81-117				
1,2-Dichloroethane 1,3,5-	52		"	50.0		105	67-129				
Trimethylbenzene	53		"	50.0		106	81-120				
1,3-Dichlorobenzene	51		"	50.0		102	84-117				
1,4-Dichlorobenzene	53		"	50.0		107	85-118				
1,4-Dioxane	420		"	1000		42.4	31-190				
2-Butanone	48		"	50.0		96.2	58-159				
Acetone	57		"	50.0		113	32-173				
Benzene	52		"	50.0		105	83-126				
Carbon tetrachloride	56		"	50.0		111	68-132				
Chlorobenzene	52		"	50.0		105	87-115				
Chloroform	52		"	50.0		104	84-120				
cis-1,2-Dichloroethylene	55		"	50.0		111	86-121				
Ethyl Benzene	52		"	50.0		104	81-118				
Methyl tert-butyl ether (MTBE)	59		"	50.0		119	62-140				
Methylene chloride	64		"	50.0		128	48-143				
n-Butylbenzene	47		"	50.0		94.7	71-142				
n-Propylbenzene	54		"	50.0		107	80-123				
o-Xylene	48		"	50.0		95.6	81-118				
p- & m- Xylenes	110		"	100		107	80-120				
sec-Butylbenzene	52		"	50.0		104	84-123				
tert-Butylbenzene	52		"	50.0		105	78-122				
Tetrachloroethylene	55		"	50.0		110	76-129				
Toluene	50		"	50.0		100	85-116				
trans-1,2-Dichloroethylene	58		"	50.0		117	66-136				
Trichloroethylene	52		"	50.0		104	83-118				
Vinyl Chloride			"	50.0		81.0	38-147				
Surrogate: 1,2-Dichloroethane-d4	*49.2*		*"*	*50.0*		*98.4*	*67-130*				
Surrogate: p-Bromofluorobenzene	*53.8*		*"*	*50.0*		*108*	*75-127*				
Surrogate: Toluene-d8	*48.4*		*"*	*50.0*		*96.7*	*90-112*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41227 - EPA 5035A											
LCS Dup (BD41227-BSD1)								Prepared & Analyzed: 04/24/2014			
1,1,1-Trichloroethane	54		ug/L	50.0		107	74-126		0.655	30	
1,1-Dichloroethane 1,1-	55		"	50.0		110	80-125		2.43	30	
Dichloroethylene 1,2,4-	**58**		"	50.0		116	62-136		6.93	30	
Trimethylbenzene	49		"	50.0		97.8	83-123		3.28	30	
1,2-Dichlorobenzene	51		"	50.0		103	81-117		4.39	30	
1,2-Dichloroethane 1,3,5-	50		"	50.0		100	67-129		4.78	30	
Trimethylbenzene	50		"	50.0		100	81-120		5.12	30	
1,3-Dichlorobenzene	51		"	50.0		102	84-117		0.883	30	
1,4-Dichlorobenzene	51		"	50.0		102	85-118		4.87	30	
1,4-Dioxane	390		"	1000		39.4	31-190		7.14	30	
2-Butanone	47		"	50.0		93.2	58-159		3.19	30	
Acetone	58		"	50.0		117	32-173		3.15	30	
Benzene	52		"	50.0		104	83-126		1.34	30	
Carbon tetrachloride	54		"	50.0		108	68-132		2.64	30	
Chlorobenzene	50		"	50.0		101	87-115		4.20	30	
Chloroform	51		"	50.0		101	84-120		2.36	30	
cis-1,2-Dichloroethylene	54		"	50.0		109	86-121		1.95	30	
Ethyl Benzene	52		"	50.0		105	81-118		0.824	30	
Methyl tert-butyl ether (MTBE)	58		"	50.0		116	62-140		2.01	30	
Methylene chloride	61		"	50.0		122	48-143		4.31	30	
n-Butylbenzene	47		"	50.0		93.0	71-142		1.73	30	
n-Propylbenzene	53		"	50.0		106	80-123		1.22	30	
o-Xylene	50		"	50.0		99.3	81-118		3.76	30	
p- & m- Xylenes	110		"	100		106	80-120		0.845	30	
sec-Butylbenzene	50		"	50.0		99.7	84-123		4.47	30	
tert-Butylbenzene	52		"	50.0		104	78-122		1.02	30	
Tetrachloroethylene	56		"	50.0		112	76-129		1.85	30	
Toluene	50		"	50.0		100	85-116		0.180	30	
trans-1,2-Dichloroethylene	56		"	50.0		112	66-136		3.90	30	
Trichloroethylene	52		"	50.0		103	83-118		0.945	30	
Vinyl Chloride	39		"	50.0		77.6	38-147		4.36	30	
Surrogate: 1,2-Dichloroethane-d4	*49.2*		*"*	*50.0*		*98.3*	*67-130*				
Surrogate: p-Bromofluorobenzene	*52.0*		*"*	*50.0*		*104*	*75-127*				
Surrogate: Toluene-d8	*49.4*		*"*	*50.0*		*98.8*	*90-112*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41274 - EPA 5035A											
Blank (BD41274-BLK1)											
Prepared & Analyzed: 04/25/2014											
1,1,1-Trichloroethane	ND	5.0	ug/kg wet								
1,1-Dichloroethane 1,1-	ND	5.0	"								
Dichloroethylene 1,2,4-	ND	5.0	"								
Trimethylbenzene	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane 1,3,5-	ND	5.0	"								
Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroform	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
sec-Butylbenzene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*48.4*		*ug/L*	*50.0*		*96.9*	*67-130*				
Surrogate: p-Bromofluorobenzene	*52.3*		*"*	*50.0*		*105*	*75-127*				
Surrogate: Toluene-d8	*50.6*		*"*	*50.0*		*101*	*90-112*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41274 - EPA 5035A											
LCS (BD41274-BS1)								Prepared & Analyzed: 04/25/2014			
1,1,1-Trichloroethane	46		ug/L	50.0		92.5	74-126				
1,1-Dichloroethane 1,1-	46		"	50.0		92.5	80-125				
Dichloroethylene 1,2,4-	44		"	50.0		88.2	62-136				
Trimethylbenzene	50		"	50.0		100	83-123				
1,2-Dichlorobenzene	49		"	50.0		98.7	81-117				
1,2-Dichloroethane 1,3,5-	46		"	50.0		92.7	67-129				
Trimethylbenzene	49		"	50.0		97.3	81-120				
1,3-Dichlorobenzene	50		"	50.0		101	84-117				
1,4-Dichlorobenzene	50		"	50.0		99.5	85-118				
1,4-Dioxane	1000		"	1000		102	31-190				
2-Butanone	46		"	50.0		92.9	58-159				
Acetone	41		"	50.0		82.5	32-173				
Benzene	48		"	50.0		95.8	83-126				
Carbon tetrachloride	45		"	50.0		90.3	68-132				
Chlorobenzene	47		"	50.0		94.9	87-115				
Chloroform	47		"	50.0		94.0	84-120				
cis-1,2-Dichloroethylene	48		"	50.0		95.3	86-121				
Ethyl Benzene	49		"	50.0		98.2	81-118				
Methyl tert-butyl ether (MTBE)	47		"	50.0		93.9	62-140				
Methylene chloride	47		"	50.0		93.9	48-143				
n-Butylbenzene	53		"	50.0		106	71-142				
n-Propylbenzene	50		"	50.0		100	80-123				
o-Xylene	49		"	50.0		97.7	81-118				
p- & m- Xylenes	99		"	100		99.5	80-120				
sec-Butylbenzene	51		"	50.0		102	84-123				
tert-Butylbenzene	49		"	50.0		97.5	78-122				
Tetrachloroethylene	48		"	50.0		95.2	76-129				
Toluene	49		"	50.0		98.6	85-116				
trans-1,2-Dichloroethylene	47		"	50.0		93.4	66-136				
Trichloroethylene	50		"	50.0		100	83-118				
Vinyl Chloride			"	50.0		85.1	38-147				
Surrogate: 1,2-Dichloroethane-d4	*48.4*		*"*	*50.0*		*96.8*	*67-130*				
Surrogate: p-Bromofluorobenzene	*49.6*		*"*	*50.0*		*99.3*	*75-127*				
Surrogate: Toluene-d8	*51.6*		*"*	*50.0*		*103*	*90-112*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41274 - EPA 5035A											
LCS Dup (BD41274-BSD1)								Prepared & Analyzed: 04/25/2014			
1,1,1-Trichloroethane	46		ug/L	50.0		91.6	74-126		0.934	30	
1,1-Dichloroethane 1,1-	47		"	50.0		93.3	80-125		0.797	30	
Dichloroethylene 1,2,4-	42		"	50.0		84.2	62-136		4.66	30	
Trimethylbenzene	51		"	50.0		102	83-123		1.27	30	
1,2-Dichlorobenzene	51		"	50.0		101	81-117		2.58	30	
1,2-Dichloroethane 1,3,5-	45		"	50.0		90.3	67-129		2.58	30	
Trimethylbenzene	51		"	50.0		102	81-120		4.38	30	
1,3-Dichlorobenzene	50		"	50.0		99.7	84-117		0.958	30	
1,4-Dichlorobenzene	50		"	50.0		101	85-118		1.18	30	
1,4-Dioxane	1100		"	1000		109	31-190		6.99	30	
2-Butanone	49		"	50.0		98.4	58-159		5.71	30	
Acetone	40		"	50.0		80.8	32-173		2.18	30	
Benzene	47		"	50.0		94.0	83-126		1.81	30	
Carbon tetrachloride	47		"	50.0		93.5	68-132		3.48	30	
Chlorobenzene	49		"	50.0		98.5	87-115		3.74	30	
Chloroform	47		"	50.0		94.3	84-120		0.340	30	
cis-1,2-Dichloroethylene	48		"	50.0		95.0	86-121		0.294	30	
Ethyl Benzene	51		"	50.0		103	81-118		4.66	30	
Methyl tert-butyl ether (MTBE)	46		"	50.0		91.2	62-140		2.90	30	
Methylene chloride	45		"	50.0		89.1	48-143		5.16	30	
n-Butylbenzene	55		"	50.0		110	71-142		3.01	30	
n-Propylbenzene	52		"	50.0		104	80-123		3.71	30	
o-Xylene	50		"	50.0		101	81-118		3.18	30	
p- & m- Xylenes	100		"	100		102	80-120		2.98	30	
sec-Butylbenzene	53		"	50.0		106	84-123		4.05	30	
tert-Butylbenzene	48		"	50.0		96.5	78-122		1.01	30	
Tetrachloroethylene	50		"	50.0		100	76-129		4.90	30	
Toluene	50		"	50.0		99.0	85-116		0.405	30	
trans-1,2-Dichloroethylene	47		"	50.0		93.8	66-136		0.470	30	
Trichloroethylene	51		"	50.0		101	83-118		1.33	30	
Vinyl Chloride			"	50.0		86.5	38-147		1.68	30	
Surrogate: 1,2-Dichloroethane-d4	*47.4*		*"*	*50.0*		*94.7*	*67-130*				
Surrogate: p-Bromofluorobenzene	*50.6*		*"*	*50.0*		*101*	*75-127*				
Surrogate: Toluene-d8	*51.6*		*"*	*50.0*		*103*	*90-112*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41276 - EPA 5030B											
Blank (BD41276-BLK1)											
Prepared & Analyzed: 04/25/2014											
1,1,1-Trichloroethane	ND	0.50	ug/L								
1,1-Dichloroethane 1,1-	ND	0.50	"								
Dichloroethylene 1,2,4-	ND	0.50	"								
Trimethylbenzene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane 1,3,5-	ND	0.50	"								
Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	0.96	0.50	"								
1,4-Dichlorobenzene	1.1	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
Acetone	5.4	2.0	"								
Benzene	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroform	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	1.3	2.0	"								
n-Butylbenzene	1.4	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
sec-Butylbenzene	0.88	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*46.7*		*"*	*50.0*		*93.5*	*81-123*				
Surrogate: p-Bromofluorobenzene	*45.9*		*"*	*50.0*		*91.8*	*70-128*				
Surrogate: Toluene-d8	*51.0*		*"*	*50.0*		*102*	*88-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41276 - EPA 5030B											
Blank (BD41276-BLK2)											
Prepared & Analyzed: 04/25/2014											
1,1,1-Trichloroethane	ND	0.50	ug/L								
1,1-Dichloroethane 1,1-	ND	0.50	"								
Dichloroethylene 1,2,4-	ND	0.50	"								
Trimethylbenzene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane 1,3,5-	ND	0.50	"								
Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
Acetone	4.8	2.0	"								
Benzene	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroform	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*47.6*		*"*	*50.0*		*95.3*	*81-123*				
Surrogate: p-Bromofluorobenzene	*46.5*		*"*	*50.0*		*92.9*	*70-128*				
Surrogate: Toluene-d8	*51.2*		*"*	*50.0*		*102*	*88-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41276 - EPA 5030B											
LCS (BD41276-BS1)								Prepared & Analyzed: 04/25/2014			
1,1,1-Trichloroethane	53		ug/L	50.0		107	74-128				
1,1-Dichloroethane 1,1-	45		"	50.0		89.8	70-131				
Dichloroethylene 1,2,4-	51		"	50.0		102	60-143				
Trimethylbenzene	53		"	50.0		106	83-121				
1,2-Dichlorobenzene	53		"	50.0		106	85-115				
1,2-Dichloroethane 1,3,5-	53		"	50.0		107	72-126				
Trimethylbenzene	51		"	50.0		102	84-118				
1,3-Dichlorobenzene	52		"	50.0		105	83-117				
1,4-Dichlorobenzene	54		"	50.0		107	83-118				
1,4-Dioxane	900		"	1000		89.5	34-184				
2-Butanone	73		"	50.0		146	48-156				
Acetone	73		"	50.0		146	21-172				
Benzene	54		"	50.0		109	82-120				
Carbon tetrachloride	54		"	50.0		109	72-132				
Chlorobenzene	53		"	50.0		107	88-112				
Chloroform	51		"	50.0		103	77-124				
cis-1,2-Dichloroethylene	48		"	50.0		95.8	77-124				
Ethyl Benzene	53		"	50.0		106	86-114				
Methyl tert-butyl ether (MTBE)	54		"	50.0		108	49-156				
Methylene chloride	53		"	50.0		106	51-145				
n-Butylbenzene	53		"	50.0		106	76-125				
n-Propylbenzene	54		"	50.0		108	84-118				
o-Xylene	52		"	50.0		104	85-114				
p- & m- Xylenes	110		"	100		106	84-117				
sec-Butylbenzene	51		"	50.0		103	85-119				
tert-Butylbenzene	54		"	50.0		108	83-119				
Tetrachloroethylene	53		"	50.0		105	75-129				
Toluene	53		"	50.0		106	86-113				
trans-1,2-Dichloroethylene	49		"	50.0		98.6	55-148				
Trichloroethylene	54		"	50.0		109	85-115				
Vinyl Chloride	46		"	50.0		92.7	44-152				
Surrogate: 1,2-Dichloroethane-d4	*50.3*		*"*	*50.0*		*101*	*81-123*				
Surrogate: p-Bromofluorobenzene	*50.0*		*"*	*50.0*		*100*	*70-128*				
Surrogate: Toluene-d8			*"*	*50.0*		*99.3*	*88-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41276 - EPA 5030B											
LCS Dup (BD41276-BSD1)								Prepared & Analyzed: 04/25/2014			
1,1,1-Trichloroethane	51		ug/L	50.0		103	74-128		3.55	30	
1,1-Dichloroethane 1,1-	43		"	50.0		88.9	70-131		0.940	30	
Dichloroethylene 1,2,4-	50		"	50.0		100	60-143		1.70	30	
Trimethylbenzene	53		"	50.0		105	83-121		1.23	30	
1,2-Dichlorobenzene	52		"	50.0		104	85-115		1.64	30	
1,2-Dichloroethane 1,3,5-	51		"	50.0		102	72-126		4.12	30	
Trimethylbenzene	49		"	50.0		101	84-118		1.67	30	
1,3-Dichlorobenzene	50		"	50.0		103	83-117		2.04	30	
1,4-Dichlorobenzene	51		"	50.0		104	83-118		2.46	30	
1,4-Dioxane	710		"	1000		70.9	34-184		23.2	30	
2-Butanone	64		"	50.0		128	48-156		13.4	30	
Acetone	58		"	50.0		116	21-172		23.1	30	
Benzene	51		"	50.0		102	82-120		6.23	30	
Carbon tetrachloride	52		"	50.0		104	72-132		5.14	30	
Chlorobenzene	52		"	50.0		104	88-112		2.74	30	
Chloroform	52		"	50.0		103	77-124		0.699	30	
cis-1,2-Dichloroethylene	48		"	50.0		95.5	77-124		0.335	30	
Ethyl Benzene	51		"	50.0		102	86-114		4.18	30	
Methyl tert-butyl ether (MTBE)	52		"	50.0		105	49-156		3.64	30	
Methylene chloride	52		"	50.0		106	51-145		0.434	30	
n-Butylbenzene	52		"	50.0		103	76-125		3.00	30	
n-Propylbenzene	52		"	50.0		104	84-118		2.89	30	
o-Xylene	51		"	50.0		102	85-114		2.01	30	
p- & m- Xylenes	100		"	100		101	84-117		4.76	30	
sec-Butylbenzene	52		"	50.0		104	85-119		0.774	30	
tert-Butylbenzene	53		"	50.0		107	83-119		1.32	30	
Tetrachloroethylene	51		"	50.0		103	75-129		2.04	30	
Toluene	51		"	50.0		102	86-113		3.64	30	
trans-1,2-Dichloroethylene	48		"	50.0		96.9	55-148		1.82	30	
Trichloroethylene	50		"	50.0		100	85-115		8.19	30	
Vinyl Chloride			"	50.0		88.8	44-152		4.30	30	
Surrogate: 1,2-Dichloroethane-d4	*49.6*		*"*	*50.0*		*99.2*	*81-123*				
Surrogate: p-Bromofluorobenzene	*51.0*		*"*	*50.0*		*102*	*70-128*				
Surrogate: Toluene-d8			*"*	*50.0*		*98.3*	*88-114*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41024 - EPA 3550C											
Blank (BD41024-BLK1)											
Prepared & Analyzed: 04/22/2014											
Acenaphthene	ND	167	ug/kg wet								
Acenaphthylene	ND	167	"								
Anthracene	ND	167	"								
Benzo(a)anthracene	ND	167	"								
Benzo(a)pyrene	ND	167	"								
Benzo(b)fluoranthene	ND	167	"								
Benzo(g,h,i)perylene Benzo(k)	ND	167	"								
fluoranthene Chrysene	ND	167	"								
Dibenzo(a,h)anthracene	ND	167	"								
Dibenzofuran	ND	167	"								
Fluoranthene	ND	167	"								
Fluorene	ND	167	"								
Hexachlorobenzene Indeno(1,2,3-cd)	ND	167	"								
pyrene	ND	167	"								
2-Methylphenol	ND	167	"								
3- & 4-Methylphenols	ND	167	"								
Naphthalene	ND	167	"								
Pentachlorophenol	ND	167	"								
Phenanthrene	ND	167	"								
Phenol	ND	167	"								
Pyrene	ND	167	"								
	ND	167	"								
Surrogate: 2-Fluorophenol	*1540*		*"*	*2560*		*60.3*	*10-105*				
Surrogate: Phenol-d5	*1670*		*"*	*2510*		*66.5*	*10-118*				
Surrogate: Nitrobenzene-d5	*1180*		*"*	*1710*		*69.1*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*1010*		*"*	*1670*		*60.8*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*1690*		*"*	*2590*		*65.2*	*10-150*				
Surrogate: Terphenyl-d14	*1080*		*"*	*1670*		*64.7*	*10-137*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41024 - EPA 3550C											
LCS (BD41024-BS1)								Prepared & Analyzed: 04/22/2014			
Acenaphthene	1350	167	ug/kg wet	1670		80.8	17-124				
Acenaphthylene	1350	167	"	1670		81.1	16-124				
Anthracene	1330	167	"	1670		80.1	24-124				
Benzo(a)anthracene	1360	167	"	1670		81.8	25-134				
Benzo(a)pyrene	999	167	"	1670		60.0	29-144				
Benzo(b)fluoranthene	1220	167	"	1670		72.9	20-151				
Benzo(g,h,i)perylene Benzo(k)	354	167	"	1670		21.3	10-153				
fluoranthene Chrysene	916	167	"	1670		55.0	10-148				
Dibenzo(a,h)anthracene	1370	167	"	1670		82.0	24-116				
Dibenzofuran	486	167	"	1670		29.1	17-147				
Fluoranthene	1360	167	"	1670		81.9	23-123				
Fluorene	1380	167	"	1670		82.6	36-125				
Hexachlorobenzene Indeno(1,2,3-cd)	1340	167	"	1670		80.3	16-130				
pyrene	1390	167	"	1670		83.7	10-129				
2-Methylphenol	462	167	"	1670		27.7	10-155				
3- & 4-Methylphenols	1470	167	"	1670		88.0	10-146				
Naphthalene	1440	167	"	1670		86.4	20-109				
Pentachlorophenol	1410	167	"	1670		84.6	20-121				
Phenanthrene	1290	167	"	1670		77.5	10-143				
Phenol	1330	167	"	1670		79.5	24-123				
Pyrene	1510	167	"	1670		90.4	15-123				
	1390	167	"	1670		83.7	24-132				
Surrogate: 2-Fluorophenol	*2090*		*"*	*2560*		*81.6*	*10-105*				
Surrogate: Phenol-d5	*2110*		*"*	*2510*		*84.4*	*10-118*				
Surrogate: Nitrobenzene-d5	*1510*		*"*	*1710*		*88.2*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*1230*		*"*	*1670*		*73.9*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*2090*		*"*	*2590*		*80.5*	*30-130*				
Surrogate: Terphenyl-d14	*1260*		*"*	*1670*		*75.2*	*10-137*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41024 - EPA 3550C											
LCS Dup (BD41024-BSD1)									Prepared: 04/22/2014 Analyzed: 04/23/2014		
Acenaphthene	1210	167	ug/kg wet	1670		72.7	17-124		10.6	30	
Acenaphthylene	1220	167	"	1670		73.4	16-124		10.0	30	
Anthracene	1220	167	"	1670		73.4	24-124		8.76	30	
Benzo(a)anthracene	1350	167	"	1670		81.1	25-134		0.835	30	
Benzo(a)pyrene	1440	167	"	1670		86.5	29-144		36.2	30	Non-dir.
Benzo(b)fluoranthene	963	167	"	1670		57.8	20-151		23.1	30	
Benzo(g,h,i)perylene Benzo(k)	1320	167	"	1670		79.2	10-153		115	30	Non-dir.
fluoranthene Chrysene	996	167	"	1670		59.8	10-148		8.33	30	
Dibenzo(a,h)anthracene	1220	167	"	1670		73.3	24-116		11.2	30	
Dibenzofuran	1310	167	"	1670		78.6	17-147		91.8	30	Non-dir.
Fluoranthene	1210	167	"	1670		72.5	23-123		12.2	30	
Fluorene	1260	167	"	1670		75.5	36-125		8.98	30	
Hexachlorobenzene Indeno(1,2,3-cd)	1210	167	"	1670		72.4	16-130		10.3	30	
pyrene	1270	167	"	1670		76.2	10-129		9.30	30	
2-Methylphenol	1350	167	"	1670		81.2	10-155		98.2	30	Non-dir.
3- & 4-Methylphenols	1310	167	"	1670		78.5	10-146		11.4	30	
Naphthalene	1290	167	"	1670		77.6	20-109		10.7	30	
Pentachlorophenol	1270	167	"	1670		76.4	20-121		10.2	30	
Phenanthrene	1220	167	"	1670		73.1	10-143		5.95	30	
Phenol	1220	167	"	1670		73.4	24-123		8.00	30	
Pyrene	1360	167	"	1670		81.8	15-123		10.1	30	
	1290	167	"	1670		77.5	24-132		7.70	30	
Surrogate: 2-Fluorophenol	*1760*		"	*2560*		*68.9*	*10-105*				
Surrogate: Phenol-d5	*1820*		"	*2510*		*72.8*	*10-118*				
Surrogate: Nitrobenzene-d5	*1310*		"	*1710*		*76.6*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*1040*		"	*1670*		*62.6*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*1870*		"	*2590*		*72.1*	*30-130*				
Surrogate: Terphenyl-d14	*1130*		"	*1670*		*67.3*	*10-137*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41035 - EPA 3510C											
Blank (BD41035-BLK1)											
Prepared & Analyzed: 04/22/2014											
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene Benzo(k)	ND	0.0500	"								
fluoranthene Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	0.0500	"								
Fluoranthene	ND	5.00	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene Indeno(1,2,3-cd)	ND	0.0500	"								
pyrene	ND	0.0200	"								
2-Methylphenol	ND	0.0500	"								
3- & 4-Methylphenols	ND	5.00	"								
Naphthalene	ND	5.00	"								
Pentachlorophenol	ND	0.0500	"								
Phenanthrene	ND	0.250	"								
Phenol	ND	0.0500	"								
Pyrene	ND	5.00	"								
	ND	0.0500	"								
Surrogate: 2-Fluorophenol	*20.7*		"	*76.8*		*27.0*	*10-53*				
Surrogate: Phenol-d5	*12.7*		"	*75.2*		*16.9*	*10-39*				
Surrogate: Nitrobenzene-d5	*26.4*		"	*51.4*		*51.4*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*23.6*		"	*50.0*		*47.2*	*10-108*				
Surrogate: 2,4,6-Tribromophenol	*79.2*		"	*77.8*		*102*	*10-150*				
Surrogate: Terphenyl-d14			"	*50.2*		*46.4*	*10-143*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41035 - EPA 3510C											
LCS (BD41035-BS1)								Prepared & Analyzed: 04/22/2014			
Acenaphthene	32.3	0.0500	ug/L	50.0		64.7	24-114				
Acenaphthylene	31.7	0.0500	"	50.0		63.4	26-112				
Anthracene	52.9	0.0500	"	50.0		106	35-114				
Benzo(a)anthracene	43.8	0.0500	"	50.0		87.6	38-127				
Benzo(a)pyrene	54.6	0.0500	"	50.0		109	30-146				
Benzo(b)fluoranthene	58.4	0.0500	"	50.0		117	36-145				
Benzo(g,h,i)perylene Benzo(k)	63.7	0.0500	"	50.0		127	10-163				
fluoranthene Chrysene	46.5	0.0500	"	50.0		93.0	16-149				
Dibenzo(a,h)anthracene	45.8	0.0500	"	50.0		91.5	33-120				
Dibenzofuran	58.3	0.0500	"	50.0		117	10-149				
Fluoranthene	38.1	5.00	"	50.0		76.1	42-105				
Fluorene	52.6	0.0500	"	50.0		107	33-126				
Hexachlorobenzene Indeno(1,2,3-cd)	38.1	0.0500	"	50.0		76.2	28-117				
pyrene	37.4	0.0200	"	50.0		74.9	27-120				
2-Methylphenol	54.8	0.0500	"	50.0		110	10-150				
3- & 4-Methylphenols	31.4	5.00	"	50.0		62.8	10-90				
Naphthalene	26.5	5.00	"	50.0		53.1	10-101				
Pentachlorophenol	31.7	0.0500	"	50.0		63.3	30-99				
Phenanthrene	58.2	0.250	"	50.0		116	19-127				
Phenol	54.6	0.0500	"	50.0		109	31-112				
Pyrene	18.6	5.00	"	50.0		37.2	10-37	High Bias			
	49.1	0.0500	"	50.0		98.4	42-125				
Surrogate: 2-Fluorophenol	*34.8*		"	*76.8*		*45.3*	*10-53*				
Surrogate: Phenol-d5	*18.2*		"	*75.2*		*24.2*	*10-39*				
Surrogate: Nitrobenzene-d5	*35.3*		"	*51.4*		*68.7*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*31.6*		"	*50.0*		*63.2*	*10-108*				
Surrogate: 2,4,6-Tribromophenol	*107*		"	*77.8*		*138*	*10-150*				
Surrogate: Terphenyl-d14	*46.0*		"	*50.2*		*91.6*	*10-143*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41035 - EPA 3510C											
LCS (BD41035-BS2)							Prepared & Analyzed: 04/22/2014				
Acenaphthene	0.510	0.0500	ug/L	1.00		51.0	24-114				
Acenaphthylene	0.490	0.0500	"	1.00		49.0	26-112				
Anthracene	0.510	0.0500	"	1.00		51.0	35-114				
Benzo(a)anthracene	0.610	0.0500	"	1.00		61.0	38-127				
Benzo(a)pyrene	0.610	0.0500	"	1.00		61.0	30-146				
Benzo(b)fluoranthene	0.610	0.0500	"	1.00		61.0	36-145				
Benzo(g,h,i)perylene Benzo(k)	0.590	0.0500	"	1.00		59.0	10-163				
fluoranthene Chrysene	0.640	0.0500	"	1.00		64.0	16-149				
Dibenzo(a,h)anthracene	0.630	0.0500	"	1.00		63.0	33-120				
Dibenzofuran	0.680	0.0500	"	1.00		68.0	10-149				
Fluoranthene	ND	5.00	"				42-105				
Fluorene	0.590	0.0500	"	1.00		59.0	33-126				
Hexachlorobenzene Indeno(1,2,3-cd)	0.520	0.0500	"	1.00		52.0	28-117				
pyrene	ND	0.0200	"				27-120				
2-Methylphenol	0.660	0.0500	"	1.00		66.0	10-150				
3- & 4-Methylphenols	ND	5.00	"				10-90				
Naphthalene	ND	5.00	"				10-101				
Pentachlorophenol	0.470	0.0500	"	1.00		47.0	30-99				
Phenanthrene	ND	0.250	"				19-127				
Phenol	0.530	0.0500	"	1.00		53.0	31-112				
Pyrene	ND	5.00	"				10-37				
	0.580	0.0500	"	1.00		58.0	42-125				
Surrogate: 2-Fluorophenol	*0.00*		"	*76.8*			*10-53*				
Surrogate: Phenol-d5	*0.00*		"	*75.2*			*10-39*				
Surrogate: Nitrobenzene-d5	*0.00*		"	*51.4*			*10-120*				
Surrogate: 2-Fluorobiphenyl	*0.00*		"	*50.0*			*10-108*				
Surrogate: 2,4,6-Tribromophenol	*0.00*		"	*77.8*			*10-150*				
Surrogate: Terphenyl-d14	*0.00*		"	*50.2*			*10-143*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41035 - EPA 3510C											
LCS Dup (BD41035-BSD1)								Prepared & Analyzed: 04/22/2014			
Acenaphthene	31.2	0.0500	ug/L	50.0		62.4	24-114		3.52	20	
Acenaphthylene	30.5	0.0500	"	50.0		61.0	26-112		3.92	20	
Anthracene	32.3	0.0500	"	50.0		64.6	35-114		48.3	20	Non-dir.
Benzo(a)anthracene	39.5	0.0500	"	50.0		78.9	38-127		10.4	20	
Benzo(a)pyrene	37.3	0.0500	"	50.0		74.7	30-146		37.7	20	Non-dir.
Benzo(b)fluoranthene	38.6	0.0500	"	50.0		77.1	36-145		40.9	20	Non-dir.
Benzo(g,h,i)perylene Benzo(k)	38.2	0.0500	"	50.0		76.4	10-163		50.1	20	Non-dir.
fluoranthene Chrysene	42.3	0.0500	"	50.0		84.6	16-149		9.39	20	
Dibenzo(a,h)anthracene	42.4	0.0500	"	50.0		84.8	33-120		7.58	20	
Dibenzofuran	37.7	0.0500	"	50.0		75.4	10-149		43.0	20	Non-dir.
Fluoranthene	35.4	5.00	"	50.0		70.8	42-105		7.24	20	
Fluorene	35.4	0.0500	"	50.0		70.7	33-126		41.0	20	Non-dir.
Hexachlorobenzene Indeno(1,2,3-cd)	32.1	0.0500	"	50.0		64.1	28-117		17.2	20	
pyrene	29.5	0.0200	"	50.0		59.1	27-120		23.6	20	Non-dir.
2-Methylphenol	37.8	0.0500	"	50.0		75.7	10-150		36.6	20	Non-dir.
3- & 4-Methylphenols	18.8	5.00	"	50.0		37.6	10-90		50.4	20	Non-dir.
Naphthalene	17.7	5.00	"	50.0		35.5	10-101		39.7	20	Non-dir.
Pentachlorophenol	29.5	0.0500	"	50.0		59.1	30-99		6.96	20	
Phenanthrene	43.0	0.250	"	50.0		88.0	19-127		27.9	20	Non-dir.
Phenol	33.9	0.0500	"	50.0		67.8	31-112		46.9	20	Non-dir.
Pyrene	10.8	5.00	"	50.0		21.7	10-37		52.9	20	Non-dir.
	41.6	0.0500	"	50.0		83.1	42-125		16.8	20	
Surrogate: 2-Fluorophenol	*23.5*		"	*76.8*		*30.6*	*10-53*				
Surrogate: Phenol-d5	*12.7*		"	*75.2*		*16.9*	*10-39*				
Surrogate: Nitrobenzene-d5	*28.9*		"	*51.4*		*56.2*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*29.6*		"	*50.0*		*59.2*	*10-108*				
Surrogate: 2,4,6-Tribromophenol	*74.4*		"	*77.8*		*95.7*	*10-150*				
Surrogate: Terphenyl-d14	*47.0*		"	*50.2*		*93.7*	*10-143*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41023 - EPA 3550C											
Blank (BD41023-BLK1)											Prepared: 04/22/2014 Analyzed: 04/23/2014
4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
beta-BHC	ND	0.330	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Heptachlor	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
Surrogate: Decachlorobiphenyl	*67.2*		"	*71.7*		*93.7*	*30-140*				
Surrogate: Tetrachloro-m-xylene	*57.1*		"	*67.7*		*84.4*	*30-140*				
LCS (BD41023-BS1)											Prepared: 04/22/2014 Analyzed: 04/23/2014
4,4'-DDD	28.5	0.330	ug/kg wet	33.3		85.5	40-140				
4,4'-DDE	26.5	0.330	"	33.3		79.6	40-140				
4,4'-DDT	34.0	0.330	"	33.3		102	40-140				
Aldrin	28.5	0.330	"	33.3		85.4	40-140				
alpha-BHC	28.9	0.330	"	33.3		86.8	40-140				
beta-BHC	30.0	0.330	"	33.3		90.1	40-140				
delta-BHC	30.3	0.330	"	33.3		91.0	40-140				
Dieldrin	30.7	0.330	"	33.3		92.0	40-140				
Endosulfan I	31.1	0.330	"	33.3		93.2	40-140				
Endosulfan II	29.8	0.330	"	33.3		89.3	40-140				
Endosulfan sulfate	31.6	0.330	"	33.3		94.7	40-140				
Endrin	29.5	0.330	"	33.3		88.6	40-140				
gamma-BHC (Lindane)	27.5	0.330	"	33.3		82.6	40-140				
Heptachlor	30.5	0.330	"	33.3		91.5	40-140				
alpha-Chlordane	26.0	0.330	"	33.3		77.9	40-140				
Surrogate: Decachlorobiphenyl	*63.3*		"	*71.7*		*88.3*	*30-140*				
Surrogate: Tetrachloro-m-xylene	*56.0*		"	*67.7*		*82.7*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41023 - EPA 3550C											
LCS Dup (BD41023-BSD1)								Prepared: 04/22/2014 Analyzed: 04/23/2014			
4,4'-DDD	31.3	0.330	ug/kg wet	33.3		94.0	40-140		9.49	30	
4,4'-DDE	29.0	0.330	"	33.3		86.9	40-140		8.83	30	
4,4'-DDT	36.8	0.330	"	33.3		110	40-140		7.82	30	
Aldrin	30.6	0.330	"	33.3		91.8	40-140		7.23	30	
alpha-BHC	31.1	0.330	"	33.3		93.3	40-140		7.27	30	
beta-BHC	32.7	0.330	"	33.3		98.1	40-140		8.49	30	
delta-BHC	33.5	0.330	"	33.3		100	40-140		9.85	30	
Dieldrin	32.9	0.330	"	33.3		98.7	40-140		7.07	30	
Endosulfan I	33.4	0.330	"	33.3		100	40-140		7.14	30	
Endosulfan II	32.1	0.330	"	33.3		96.2	40-140		7.42	30	
Endosulfan sulfate	34.0	0.330	"	33.3		102	40-140		7.44	30	
Endrin	31.7	0.330	"	33.3		95.2	40-140		7.10	30	
gamma-BHC (Lindane)	29.6	0.330	"	33.3		88.9	40-140		7.43	30	
Heptachlor	32.8	0.330	"	33.3		98.5	40-140		7.34	30	
alpha-Chlordane	27.9	0.330	"	33.3		83.6	40-140		7.07	30	
Surrogate: Decachlorobiphenyl	*67.9*		"	*71.7*		*94.7*	*30-140*				
Surrogate: Tetrachloro-m-xylene	*59.4*		"	*67.7*		*87.7*	*30-140*				
Batch BD41034 - EPA SW846-3510C Low Level											
Blank (BD41034-BLK1)								Prepared & Analyzed: 04/22/2014			
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endrin	ND	0.00400	"								
gamma-BHC (Lindane)	ND	0.00400	"								
Heptachlor	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
Surrogate: Decachlorobiphenyl	*0.125*		"	*0.215*		*58.3*	*30-120*				
Surrogate: Tetrachloro-m-xylene	*0.0929*		"	*0.203*		*45.7*	*30-120*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41034 - EPA SW846-3510C Low Level											
LCS (BD41034-BS1)								Prepared & Analyzed: 04/22/2014			
4,4'-DDD	0.0715	0.00400	ug/L	0.100		71.5	40-120				
4,4'-DDE	0.0628	0.00400	"	0.100		62.8	40-120				
4,4'-DDT	0.0868	0.00400	"	0.100		86.8	40-120				
Aldrin	0.0445	0.00400	"	0.100		44.5	40-120				
alpha-BHC	0.0516	0.00400	"	0.100		51.6	40-120				
beta-BHC	0.0617	0.00400	"	0.100		61.7	40-120				
delta-BHC	0.0487	0.00400	"	0.100		48.7	40-120				
Dieldrin	0.0638	0.00200	"	0.100		63.8	40-120				
Endosulfan I	0.0629	0.00400	"	0.100		62.9	40-120				
Endosulfan sulfate	0.0694	0.00400	"	0.100		69.4	40-120				
Endosulfan II	0.0670	0.00400	"	0.100		67.0	40-120				
Endrin	0.0643	0.00400	"	0.100		64.3	40-120				
gamma-BHC (Lindane)	0.0529	0.00400	"	0.100		52.9	40-120				
Heptachlor	0.0527	0.00400	"	0.100		52.7	40-120				
alpha-Chlordane	0.0560	0.00400	"	0.100		56.0	40-120				
Surrogate: Decachlorobiphenyl	*0.137*		"	*0.215*		*63.5*	*30-120*				
Surrogate: Tetrachloro-m-xylene	*0.101*		"	*0.203*		*49.8*	*30-120*				
LCS Dup (BD41034-BSD1)								Prepared & Analyzed: 04/22/2014			
4,4'-DDD	0.0686	0.00400	ug/L	0.100		68.6	40-120		4.10	30	
4,4'-DDE	0.0601	0.00400	"	0.100		60.1	40-120		4.32	30	
4,4'-DDT	0.0838	0.00400	"	0.100		83.8	40-120		3.57	30	
Aldrin	0.0439	0.00400	"	0.100		43.9	40-120		1.57	30	
alpha-BHC	0.0505	0.00400	"	0.100		50.5	40-120		2.21	30	
beta-BHC	0.0598	0.00400	"	0.100		59.8	40-120		3.11	30	
delta-BHC	0.0460	0.00400	"	0.100		46.0	40-120		5.62	30	
Dieldrin	0.0608	0.00200	"	0.100		60.8	40-120		4.82	30	
Endosulfan I	0.0602	0.00400	"	0.100		60.2	40-120		4.49	30	
Endosulfan II	0.0646	0.00400	"	0.100		64.6	40-120		3.61	30	
Endosulfan sulfate	0.0682	0.00400	"	0.100		68.2	40-120		1.77	30	
Endrin	0.0613	0.00400	"	0.100		61.3	40-120		4.75	30	
gamma-BHC (Lindane)	0.0513	0.00400	"	0.100		51.3	40-120		3.08	30	
Heptachlor	0.0502	0.00400	"	0.100		50.2	40-120		4.83	30	
alpha-Chlordane	0.0535	0.00400	"	0.100		53.5	40-120		4.69	30	
Surrogate: Decachlorobiphenyl	*0.127*		"	*0.215*		*59.0*	*30-120*				
Surrogate: Tetrachloro-m-xylene	*0.0961*		"	*0.203*		*47.3*	*30-120*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41180 - EPA 3550C											
Blank (BD41180-BLK1)										Prepared & Analyzed: 04/24/2014	
4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
beta-BHC	ND	0.330	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Heptachlor	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
Surrogate: Decachlorobiphenyl	*54.4*		"	*71.7*		*75.9*	*30-140*				
Surrogate: Tetrachloro-m-xylene	*49.8*		"	*67.7*		*73.6*	*30-140*				
LCS (BD41180-BS1)										Prepared & Analyzed: 04/24/2014	
4,4'-DDD	24.4	0.330	ug/kg wet	33.3		73.2	40-140				
4,4'-DDE	25.7	0.330	"	33.3		77.2	40-140				
4,4'-DDT	27.7	0.330	"	33.3		83.0	40-140				
Aldrin	25.8	0.330	"	33.3		77.5	40-140				
alpha-BHC	26.5	0.330	"	33.3		79.6	40-140				
beta-BHC	26.0	0.330	"	33.3		78.0	40-140				
delta-BHC	25.4	0.330	"	33.3		76.2	40-140				
Dieldrin	27.1	0.330	"	33.3		81.3	40-140				
Endosulfan I	23.2	0.330	"	33.3		69.5	40-140				
Endosulfan II	21.2	0.330	"	33.3		63.7	40-140				
Endosulfan sulfate	20.7	0.330	"	33.3		62.0	40-140				
Endrin	23.7	0.330	"	33.3		71.0	40-140				
gamma-BHC (Lindane)	25.9	0.330	"	33.3		77.7	40-140				
Heptachlor	23.2	0.330	"	33.3		69.7	40-140				
alpha-Chlordane	23.1	0.330	"	33.3		69.2	40-140				
Surrogate: Decachlorobiphenyl	*57.6*		"	*71.7*		*80.3*	*30-140*				
Surrogate: Tetrachloro-m-xylene	*54.6*		"	*67.7*		*80.7*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41180 - EPA 3550C											
LCS Dup (BD41180-BSD1)								Prepared & Analyzed: 04/24/2014			
4,4'-DDD	19.5	0.330	ug/kg wet	33.3		58.5	40-140		22.2	30	
4,4'-DDE	19.8	0.330	"	33.3		59.4	40-140		26.1	30	
4,4'-DDT	23.3	0.330	"	33.3		70.2	40-140		16.6	30	
Aldrin	19.9	0.330	"	33.3		59.8	40-140		25.9	30	
alpha-BHC	19.5	0.330	"	33.3		58.5	40-140		30.6	30	Non-dir.
beta-BHC	20.1	0.330	"	33.3		60.4	40-140		25.4	30	
delta-BHC	18.9	0.330	"	33.3		56.7	40-140		29.2	30	
Dieldrin	21.3	0.330	"	33.3		63.8	40-140		24.1	30	
Endosulfan I	19.5	0.330	"	33.3		58.4	40-140		17.2	30	
Endosulfan II	17.0	0.330	"	33.3		51.1	40-140		22.0	30	
Endosulfan sulfate	16.8	0.330	"	33.3		50.4	40-140		20.7	30	
Endrin	18.4	0.330	"	33.3		55.1	40-140		25.2	30	
gamma-BHC (Lindane)	19.0	0.330	"	33.3		57.1	40-140		30.6	30	Non-dir.
Heptachlor	17.7	0.330	"	33.3		53.0	40-140		27.4	30	
alpha-Chlordane	18.7	0.330	"	33.3		56.2	40-140		20.7	30	
Surrogate: Decachlorobiphenyl	*42.3*		*"*	*71.7*		*61.9*	*30-140*				
Surrogate: Tetrachloro-m-xylene	*40.4*		*"*	*67.7*		*59.7*	*30-140*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41023 - EPA 3550C											
Blank (BD41023-BLK1)								Prepared & Analyzed: 04/22/2014			
Aroclor 1016	ND	0.0170	mg/kg wet								
Aroclor 1221	ND	0.0170	"								
Aroclor 1232	ND	0.0170	"								
Aroclor 1242	ND	0.0170	"								
Aroclor 1248	ND	0.0170	"								
Aroclor 1254	ND	0.0170	"								
Aroclor 1260	ND	0.0170	"								
Total PCBs	ND	0.0170	"								
Surrogate: Tetrachloro-m-xylene	*0.0510*		"	*0.0677*		*75.4*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0520*		"	*0.0717*		*72.6*	*30-140*				
LCS (BD41023-BS2)								Prepared & Analyzed: 04/22/2014			
Aroclor 1016	0.359	0.0170	mg/kg wet	0.333		108	40-130				
Aroclor 1260	0.360	0.0170	"	0.333		108	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0533*		"	*0.0677*		*78.8*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0533*		"	*0.0717*		*74.4*	*30-140*				
Batch BD41034 - EPA SW846-3510C Low Level											
Blank (BD41034-BLK1)								Prepared & Analyzed: 04/22/2014			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.0920*		"	*0.203*		*45.3*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.115*		"	*0.215*		*53.5*	*30-120*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41034 - EPA SW846-3510C Low Level											
LCS (BD41034-BS2)								Prepared & Analyzed: 04/22/2014			
Aroclor 1016	0.706	0.0500	ug/L	1.00		70.6	40-120				
Aroclor 1260	0.866	0.0500	"	1.00		86.6	40-120				
Surrogate: Tetrachloro-m-xylene	*0.0930*		*"*	*0.203*		*45.8*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.136*		*"*	*0.215*		*63.3*	*30-120*				
LCS Dup (BD41034-BSD2)								Prepared & Analyzed: 04/22/2014			
Aroclor 1016	0.760	0.0500	ug/L	1.00		76.0	40-120		7.29	30	
Aroclor 1260	0.925	0.0500	"	1.00		92.5	40-120		6.61	30	
Surrogate: Tetrachloro-m-xylene	*0.104*		*"*	*0.203*		*51.2*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.136*		*"*	*0.215*		*63.3*	*30-120*				
Batch BD41180 - EPA 3550C											
Blank (BD41180-BLK1)								Prepared: 04/24/2014 Analyzed: 04/25/2014			
Aroclor 1016	ND	0.0170	mg/kg wet								
Aroclor 1221	ND	0.0170	"								
Aroclor 1232	ND	0.0170	"								
Aroclor 1242	ND	0.0170	"								
Aroclor 1248	ND	0.0170	"								
Aroclor 1254	ND	0.0170	"								
Aroclor 1260	ND	0.0170	"								
Total PCBs	ND	0.0170	"								
Surrogate: Tetrachloro-m-xylene	*0.0493*		*"*	*0.0677*		*72.9*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0427*		*"*	*0.0717*		*59.5*	*30-140*				
LCS (BD41180-BS2)								Prepared: 04/24/2014 Analyzed: 04/25/2014			
Aroclor 1016	0.362	0.0170	mg/kg wet	0.333		109	40-130				
Aroclor 1260	0.325	0.0170	"	0.333		97.4	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0470*		*"*	*0.0677*		*69.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0413*		*"*	*0.0717*		*57.7*	*30-140*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41180 - EPA 3550C											
LCS Dup (BD41180-BSD2)									Prepared: 04/24/2014 Analyzed: 04/25/2014		
Aroclor 1016	0.286	0.0170	mg/kg wet	0.333		85.8	40-130		23.5	25	
Aroclor 1260	0.259	0.0170	"	0.333		77.6	40-130		22.6	25	
Surrogate: Tetrachloro-m-xylene	*0.0370*		*"*	*0.0677*		*54.7*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0327*		*"*	*0.0717*		*45.6*	*30-140*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41038 - EPA 3010A											
Blank (BD41038-BLK1)											Prepared & Analyzed: 04/22/2014
Aluminum	ND	0.010	mg/L								
Antimony	ND	0.005	"								
Arsenic	ND	0.004	"								
Barium	ND	0.010	"								
Beryllium	ND	0.001	"								
Cadmium	ND	0.003	"								
Calcium	ND	0.050	"								
Chromium	ND	0.005	"								
Cobalt	ND	0.005	"								
Copper	ND	0.003	"								
Iron	ND	0.020	"								
Lead	ND	0.003	"								
Magnesium	ND	0.050	"								
Manganese	ND	0.005	"								
Nickel	ND	0.005	"								
Potassium	ND	0.050	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Sodium	ND	0.100	"								
Thallium	ND	0.005	"								
Vanadium	ND	0.010	"								
Zinc	ND	0.010	"								
Reference (BD41038-SRM1)											Prepared & Analyzed: 04/22/2014
Aluminum	3.00	0.010	mg/L	3.16		94.9	82.9-116				
Antimony	0.645	0.005	"	0.687		93.9	70.6-120				
Arsenic	0.216	0.004	"	0.243		89.0	82.7-118				
Barium	1.98	0.010	"	1.99		99.7	86.9-113				
Beryllium	0.449	0.001	"	0.487		92.2	85-113				
Cadmium	0.188	0.003	"	0.198		94.9	84.8-114				
Chromium	0.751	0.005	"	0.780		96.3	87.2-113				
Cobalt	0.201	0.005	"	0.198		102	87.4-113				
Copper	0.159	0.003	"	0.170		93.4	89.4-111				
Iron	0.348	0.020	"	0.322		108	87.3-115				
Lead	0.204	0.003	"	0.213		95.9	85-115				
Manganese	1.62	0.005	"	1.64		98.8	89.6-111				
Nickel	1.47	0.005	"	1.58		93.2	89.9-111				
Selenium	1.17	0.010	"	1.28		91.3	79.6-116				
Silver	0.447	0.005	"	0.477		93.7	85.7-114				
Thallium	0.392	0.005	"	0.409		95.9	79-121				
Vanadium	0.460	0.010	"	0.502		91.6	87.5-112				
Zinc	1.34	0.010	"	1.40		95.5	85.7-114				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41038 - EPA 3010A											
Reference (BD41038-SRM2)								Prepared & Analyzed: 04/22/2014			
Calcium	62.5	0.050	mg/L	62.7		99.7	86-114				
Magnesium	28.2	0.050	"	29.0		97.3	86.2-114				
Potassium	33.5	0.050	"	32.4		103	85.2-115				
Sodium	84.9	0.100	"	85.1		99.7	85-115				
Batch BD41059 - EPA 3050B											
Blank (BD41059-BLK1)								Prepared & Analyzed: 04/22/2014			
Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41059 - EPA 3050B											
Duplicate (BD41059-DUP1)	*Source sample: 14D0803-01 (SP-1 0-2 ft)							Prepared & Analyzed: 04/22/2014			
Aluminum	9270	1.12	mg/kg dry		9310				0.404	35	
Antimony	ND	0.562	"		ND					35	
Arsenic	2.55	1.12	"		2.35				7.82	35	
Barium	62.6	1.12	"		63.2				0.907	35	
Beryllium	ND	0.112	"		ND					35	
Cadmium	0.965	0.337	"		0.996				3.25	35	
Calcium	12200	5.62	"		12200				0.288	35	
Chromium	15.4	0.562	"		15.6				1.31	35	
Cobalt	4.35	0.562	"		4.42				1.62	35	
Copper	20.0	0.562	"		20.5				2.42	35	
Iron	8830	2.25	"		8850				0.197	35	
Lead	86.0	0.337	"		86.7				0.832	35	
Magnesium	3120	5.62	"		3150				1.11	35	
Manganese	91.3	0.562	"		92.3				1.03	35	
Nickel	15.4	0.562	"		15.6				1.47	35	
Potassium	1120	5.62	"		1130				1.06	35	
Selenium	ND	1.12	"		ND					35	
Silver	ND	0.562	"		ND					35	
Sodium	413	11.2	"		603				37.4	35	Non-dir.
Thallium	ND	1.12	"		ND					35	
Vanadium	19.4	1.12	"		19.7				1.52	35	
Zinc	122	1.12	"		123				1.02	35	
Matrix Spike (BD41059-MS1)	*Source sample: 14D0803-01 (SP-1 0-2 ft)							Prepared & Analyzed: 04/22/2014			
Aluminum	9490	1.12	mg/kg dry	225	9310	82.1	75-125				
Antimony	29.1	0.562	"	28.1	ND	104	75-125				
Arsenic	227	1.12	"	225	2.35	99.7	75-125				
Barium	289	1.12	"	225	63.2	100	75-125				
Beryllium	4.92	0.112	"	5.62	ND	87.5	75-125				
Cadmium	6.51	0.337	"	5.62	0.996	98.1	75-125				
Chromium	37.4	0.562	"	22.5	15.6	96.8	75-125				
Cobalt	60.5	0.562	"	56.2	4.42	99.7	75-125				
Copper	48.7	0.562	"	28.1	20.5	100	75-125				
Iron	9030	2.25	"	112	8850	160	75-125	High Bias			
Lead	142	0.337	"	56.2	86.7	98.4	75-125				
Magnesium	3110	5.62	"		3150		75-125				
Manganese	146	0.562	"	56.2	92.3	95.1	75-125				
Nickel	73.1	0.562	"	56.2	15.6	102	75-125				
Potassium	1120	5.62	"		1130		75-125				
Silver	2.83	0.562	"	5.62	ND	50.3	75-125	Low Bias			
Sodium	317	11.2	"		603		75-125				
Thallium	213	1.12	"	225	ND	94.6	75-125				
Vanadium	72.6	1.12	"	56.2	19.7	94.0	75-125				
Zinc	176	1.12	"	56.2	123	94.5	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41059 - EPA 3050B											
Reference (BD41059-SRM1)								Prepared & Analyzed: 04/22/2014			
Aluminum	7410	1.00	mg/kg wet	8840		83.8	42-158				
Antimony	114	0.500	"	88.2		129	26.3-289				
Arsenic	94.8	1.00	"	99.6		95.2	69.3-131				
Barium	290	1.00	"	310		93.4	74.2-126				
Beryllium	69.4	0.100	"	72.3		96.0	73.8-126				
Cadmium	170	0.300	"	181		93.6	73.6-126				
Calcium	6350	5.00	"	6790		93.6	74.2-126				
Chromium	127	0.500	"	136		93.5	70.4-130				
Cobalt	123	0.500	"	128		96.4	74.1-125				
Copper	105	0.500	"	102		103	74.3-126				
Iron	11300	2.00	"	12600		89.7	31-168				
Lead	103	0.300	"	115		90.8	72.1-129				
Magnesium	2710	5.00	"	3010		90.2	66.1-134				
Manganese	305	0.500	"	323		94.4	74.9-125				
Nickel	158	0.500	"	153		103	73.2-126				
Potassium	2630	5.00	"	2840		92.7	62-138				
Selenium	157	1.00	"	150		105	67.3-133				
Silver	35.5	0.500	"	40.4		87.9	65.8-134				
Sodium	3250	10.0	"	2760		118	65.9-134				
Thallium	155	1.00	"	174		89.2	69-132				
Vanadium	88.9	1.00	"	97.6		91.1	65.2-135				
Zinc	148	1.00	"	160		92.1	68.3-132				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41188 - EPA SW846-7470											
Blank (BD41188-BLK1)										Prepared: 04/24/2014 Analyzed: 04/25/2014	
Mercury	ND	0.0002	mg/L								
Blank (BD41188-BLK2)										Prepared: 04/24/2014 Analyzed: 04/25/2014	
Mercury	ND	0.0002	mg/L								
LCS (BD41188-BS1)										Prepared: 04/24/2014 Analyzed: 04/25/2014	
Mercury	0.001915	0.0002	mg/L	0.00200		95.7	80-120				
LCS (BD41188-BS2)										Prepared: 04/24/2014 Analyzed: 04/25/2014	
Mercury	0.001878	0.0002	mg/L	0.00200		93.9	80-120				
Batch BD41189 - EPA SW846-7471											
Blank (BD41189-BLK1)										Prepared: 04/24/2014 Analyzed: 04/25/2014	
Mercury	ND	0.0330	mg/kg wet								
LCS (BD41189-BS1)										Prepared: 04/24/2014 Analyzed: 04/25/2014	
Mercury	3.16		mg/kg	3.73		84.7	67.6-131				
Batch BD41191 - EPA SW846-7471											
Blank (BD41191-BLK1)										Prepared: 04/24/2014 Analyzed: 04/25/2014	
Mercury	ND	0.0330	mg/kg wet								
LCS (BD41191-BS1)										Prepared: 04/24/2014 Analyzed: 04/25/2014	
Mercury	3.45		mg/kg	3.73		92.5	67.6-131				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41103 - Analysis Preparation											
Blank (BD41103-BLK1)									Prepared: 04/23/2014 Analyzed: 04/24/2014		
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BD41103-BS1)									Prepared: 04/23/2014 Analyzed: 04/24/2014		
Chromium, Hexavalent	0.508	0.0100	mg/L	0.500		102	80-120				
Duplicate (BD41103-DUP1)	*Source sample: 14D0803-11 (Field Blank)								Prepared: 04/23/2014 Analyzed: 04/24/2014		
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BD41103-MS1)	*Source sample: 14D0803-11 (Field Blank)								Prepared: 04/23/2014 Analyzed: 04/24/2014		
Chromium, Hexavalent	0.508	0.0100	mg/L	0.500	ND	102	75-125				
Batch BD41261 - EPA SW846-3060											
Blank (BD41261-BLK1)									Prepared & Analyzed: 04/25/2014		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BD41261-DUP1)	*Source sample: 14D0803-01 (SP-1 0-2 ft)								Prepared & Analyzed: 04/25/2014		
Chromium, Hexavalent	ND	0.562	mg/kg dry		ND					35	
Matrix Spike (BD41261-MS1)	*Source sample: 14D0803-01 (SP-1 0-2 ft)								Prepared & Analyzed: 04/25/2014		
Chromium, Hexavalent	16.6	0.562	mg/kg dry	22.5	ND	74.0	75-125	Low Bias			
Reference (BD41261-SRM1)									Prepared & Analyzed: 04/25/2014		
Chromium, Hexavalent			mg/L	125		80.4	20.2-180				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14D0803-01	SP-1 0-2 ft	40mL Vial with Stir Bar-Cool 4° C
14D0803-02	SP-1 6-8 ft	40mL Vial with Stir Bar-Cool 4° C
14D0803-03	SP-2 0-2 ft	40mL Vial with Stir Bar-Cool 4° C
14D0803-04	SP-2 6-8 ft	40mL Vial with Stir Bar-Cool 4° C
14D0803-05	SP-3 0-2 ft	40mL Vial with Stir Bar-Cool 4° C
14D0803-06	SP-3 6-8 ft	40mL Vial with Stir Bar-Cool 4° C
14D0803-07	SP-4 0-2 ft	40mL Vial with Stir Bar-Cool 4° C
14D0803-08	SP-4 6-8 ft	40mL Vial with Stir Bar-Cool 4° C
14D0803-09	SP-5 0-2 ft	40mL Vial with Stir Bar-Cool 4° C
14D0803-10	SP-5 6-8 ft	40mL Vial with Stir Bar-Cool 4° C
14D0803-11	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14D0803-12	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

S-DUP	Duplicate analysis confirmed surrogate failure due to matrix effects.
S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-MISpk	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The SRM was within acceptance limits, therefore data are acceptable.
M-HCSpk	Sample conc. >10 X spike conc.
M-ACCB	Analyte in CCB. Run is bracketed by acceptable CCBs.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-02	NON-COMPLIANT-This sample was received outside the EPA recommended holding time.
GC-Surr	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the alternate surrogate.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. — Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

Corrective Action: The hexavalent chromium sample for the field blank was received outside of holding time.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 14D0803

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time
Company: Hydro Tech Env. Corp.	SAME [x]	SAME [ ]	#140078	RUSH-Same Day
Address: 15 Ocean Ave. 2nd Fl	Name:	Name: Muslima	100 Union Ave	RUSH-Next Day
Bklyn , NY 11225	Company:	Company: Hydro Tech Env. Corp.	Brooklyn NY	RUSH-Two Day
Phone.: 718-636-0800	Address:	Address: 77 Arkay Dr. Suite G	Purchase Order #	RUSH-Three Day
Contact: Paul I. Matli		Hauppauge Ny	5024	~~RUSH~~-Four Day X
E-mail: pmatli...hydrotechenvironmental.com	E-mail:	E-mail mward...hydrotechenvironmental.c	Samples from CT__ NY✓ NJ__	Standard (5-7day)

Report/Deliverable Type		
Summary Report	x	
QA Report	X	
CT RCP		
CT RCP DQA/DUE Pkg		
NY ASP A Package		
NY ASP B Package		
NJDEP Reduced Deliv		
Excel	X	
NYSDEC EQuIS	X	
NJDEP SRP HazSite		
EQuIS		
GIS/KEY (std)		

YORK Regulatory Comp Excel *compared to:*

See Comment below

OTHER:

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
SP-1 0-2 ft	4/16/2014	S	EPA 8260/8270BNA/8081/8082/TAL Metals (incl.Chromium Hex)	4 terra core vials + 8 oz jar
SP-1 6-8 ft	x	x	x	x
SP-2 0-2 ft	x	x	x	x
SP-2 6-8 ft	x	x	x	x
SP-3 0-2 ft	x	x	x	x
SP-3 6-8 ft	x	x	x	x
SP-4 0-2 ft	x	x	x	x
SP-4 6-8 ft	x	x	x	x
SP-5 0-2 ft	x	x	x	x
SP-5 6-8 ft	x	x	x	x

Comments:

x = same as before DI terra cores presevred frozen
NYSDEC Part 375 Unrestricted and Restricted Residential
Apply E -designation quote for billing

Soil sample for VOCs collected per EPA 5053/Total VOC and SVOC lists

Preservation (check all applicable): 4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other ____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	4/21/14 Date/Time	Samples Received By	4/21/14 1120 Date/Time	Temperature on Receipt
Samples Relinquished By	Date/Time	Samples Received in LAB by	4/21/14 - 1600 Date/Time	3.6 °C

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 14D0803

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time
Company: Hydro Tech Env. Corp.	SAME [x]	SAME [ ]	#140078	RUSH-Same Day
Address: 15 Ocean Ave. 2nd Fl	Name:	Name: Muslima	100 Union Ave	RUSH-Next Day
Bklyn , NY 11225	Company:	Company: Hydro Tech Env. Corp.	Brooklyn NY	RUSH-Two Day
Phone.: 718-636-0800	Address:	Address: 77 Arkay Dr. Suite G	**Purchase Order #**	RUSH-Three Day
Contact: Paul I. Matli		Hauppauge Ny	5024	RUSH-Four Day x
E-mail: pmatli...hydrotechenvironmental.com	E-mail:	E-mail mward ..hydrotechenvironmental.c	Samples from CT__NY__NJ__	Standard (5-7day)

Report/Deliverable Type		
Summary Report	x	
QA Report	x	
CT RCP		
CT RCP DQA/DUE Pkg		
NY ASP A Package		
NY ASP B Package		
NJDEP Reduced Deliv		
Excel	x	
NYSDEC EQuIS	x	
NJDEP SRP HazSite		
EQuIS		
GIS/KEY (std)		

YORK Regulatory Comp Excel *compared to:*

See Comment below

OTHER:

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded All List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv.Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
Field Blank	4/16/2014	DI	EPA 8260/8270BNA/8081/8082/TAL Metals (incl.Chromium Hex)	3x40ml vial,2x250 plastic,-3x1L amber 1x500 ml plastic
Trip Blank	x	DI	x	3x40ml vial

Comments:

x = same as before DI terra cores presevred frozen
NYSDEC Part 375 Unrestricted and Restricted Residential
Apply E -designation quote for billing

Soil sample for VOCs collected per EPA 5053/Total VOC and SVOC lists

Preservation (check all applicable) 4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other ____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — Date/Time 4/21/14

Samples Relinquished By — Date/Time

Samples Received By — Date/Time 4/21/14 1600

Samples Received in LAB by — Date/Time 4/21/14 - 1600

Temperature on Receipt 3.6°C

APPENDIX-I
LABORATORY DATA DELIVERABLES FOR GROUNDWATER ANALYTICAL DATA

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Report Date: 05/01/2014
Client Project ID: 100 Union Ave Brooklyn, NY
York Project (SDG) No.: 14D1100

Report Date: 05/01/2014
Client Project ID: 100 Union Ave Brooklyn, NY
York Project (SDG) No.: 14D1100

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 28, 2014 and listed below. The project was identified as your project: **100 Union Ave Brooklyn, NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14D1100-01	MW-1	Water	04/23/2014	04/28/2014
14D1100-02	MW-2	Water	04/23/2014	04/28/2014
14D1100-03	MW-3	Water	04/23/2014	04/28/2014
14D1100-04	Field Blank	Water	04/23/2014	04/28/2014
14D1100-05	Trip Blank	Water	04/23/2014	04/28/2014

General Notes for York Project (SDG) No.: 14D1100

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 05/01/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **MW-1**

York Sample ID: **14D1100-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:00 am	04/28/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
71-55-6	1,1,1-Trichloroethane 1,1,2,2-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
79-34-5	Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
75-35-4	Dichloroethylene 1,1-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
563-58-6	Dichloropropylene 1,2,3-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
87-61-6	Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
120-82-1	1,2,4-Trichlorobenzene 1,2,4-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
95-63-6	Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
106-93-4	1,2-Dibromoethane 1,2-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
95-50-1	Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
78-87-5	1,2-Dichloropropane 1,3,5-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
108-67-8	Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
67-64-1	Acetone	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **14D1100-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:00 am	04/28/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
179601-23-1	p- & m- Xylenes p-	ND		ug/L	5.0	10	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
99-87-6	Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:16	SS

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*79.6 %*	S-07	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.4 %*		*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*95.1 %*		*88-114*

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **14D1100-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:00 am	04/28/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
50-32-8	Benzo(a)pyrene Benzo(b)	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
205-99-2	fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
84-74-2	Di-n-butyl phthalate 1,4-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
106-46-7	Dichlorobenzene 1,3-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
541-73-1	Dichlorobenzene 1,2-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
95-50-1	Dichlorobenzene 3,3'-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
91-94-1	Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
84-66-2	Diethyl phthalate 2,4-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
105-67-9	Dimethylphenol Dimethyl	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
131-11-3	phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
51-28-5	2,4-Dinitrophenol 2,4-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
121-14-2	Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **14D1100-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:00 am	04/28/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene Di-n-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
117-84-0	octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**1.11**		ug/L	0.513	0.513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
67-72-1	Hexachloroethane Indeno	ND		ug/L	0.513	0.513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
193-39-5	(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
91-20-3	Naphthalene 4-	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
100-01-6	Nitroaniline 3-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
99-09-2	Nitroaniline 2-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
88-74-4	Nitroaniline Nitrobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
98-95-3	4-Nitrophenol 2-	ND		ug/L	0.256	0.256	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
100-02-7	Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
88-75-5	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
621-64-7	N-Nitrosodimethylamine	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
62-75-9	N-Nitrosodiphenylamine	ND		ug/L	0.513	0.513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
86-30-6	Pentachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
87-86-5	Phenanthrene	ND		ug/L	0.256	0.256	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
85-01-8	Phenol	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
108-95-2	Pyrene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
129-00-0	Pyridine	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:18	SR
110-86-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
120-82-1	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
95-95-4	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR
88-06-2		ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:14	SR

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*17.5 %*		*10-53*
4165-62-2	*Surrogate: Phenol-d5*	*7.94 %*	S-04	*10-39*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*62.5 %*		*10-120*

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **14D1100-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:00 am	04/28/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*43.6 %*			*10-108*						
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*56.9 %*			*10-150*						
1718-51-0	*Surrogate: Terphenyl-d14*	*75.7 %*			*10-143*						

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
309-00-2	Aldrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
72-43-5	Methoxychlor alpha-	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
319-84-6	BHC Heptachlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
1024-57-3	epoxide beta-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
319-85-7	gamma-Chlordane	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
5103-74-2	delta-BHC	ND		ug/L	0.0103	0.0103	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
319-86-8	Dieldrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
60-57-1	Endosulfan I	ND		ug/L	0.00205	0.00205	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
959-98-8	Endosulfan II	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
33213-65-9	Endosulfan sulfate	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
1031-07-8	Endrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
72-20-8	gamma-BHC (Lindane)	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
58-89-9	Heptachlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
76-44-8	alpha-Chlordane	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW
5103-71-9		ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:40	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*34.0 %*	*30-120*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*47.3 %*	*30-120*

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **14D1100-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:00 am	04/28/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:03	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:03	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:03	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:03	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:03	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:03	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:03	JW
1336-36-3	* Total PCBs	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:03	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*36.9 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*36.3 %*	*30-120*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.150**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7440-39-3	**Barium**	**0.128**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7440-70-2	**Calcium**	**133**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7439-89-6	**Iron**	**1.91**		mg/L	0.020	0.020	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7439-92-1	**Lead**	**0.005**		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7439-95-4	**Magnesium**	**4.45**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7439-96-5	**Manganese**	**0.807**		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7440-09-7	**Potassium**	**5.47**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7440-23-5	**Sodium**	**11.3**		mg/L	0.100	0.100	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **14D1100-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:00 am	04/28/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW
7440-66-6	**Zinc**	**0.064**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:16	MW

Metals, Target Analyte, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.011**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-39-3	**Barium**	**0.117**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-70-2	**Calcium**	**132**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7439-89-6	**Iron**	**0.024**		mg/L	0.020	0.020	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7439-95-4	**Magnesium**	**4.44**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7439-96-5	**Manganese**	**0.809**		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-09-7	**Potassium**	**5.36**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-23-5	**Sodium**	**11.1**		mg/L	0.100	0.100	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW
7440-66-6	**Zinc**	**0.057**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:10	MW

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **14D1100-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:00 am	04/28/2014

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	0.0002	1	EPA 7470	04/30/2014 18:30	05/01/2014 13:39	AA

Mercury, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00003900	0.0002000	1	EPA 7470	04/30/2014 18:30	05/01/2014 13:39	AA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	0.0100	1	EPA 7196A	04/28/2014 20:53	04/28/2014 20:56	AD

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.00800	0.0100	1	Calculation	05/01/2014 16:52	05/01/2014 17:04	SC

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **14D1100-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:30 am	04/28/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
71-55-6	1,1,1-Trichloroethane 1,1,2,2-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
79-34-5	Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
75-35-4	Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **14D1100-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:30 am	04/28/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
563-58-6	1,1-Dichloropropylene 1,2,3-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
87-61-6	Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
120-82-1	1,2,4-Trichlorobenzene 1,2,4-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
95-63-6	Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
106-93-4	1,2-Dibromoethane 1,2-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
95-50-1	Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
78-87-5	1,2-Dichloropropane 1,3,5-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
108-67-8	Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
67-64-1	Acetone	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **14D1100-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:30 am	04/28/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
179601-23-1	p- & m- Xylenes p-	ND		ug/L	5.0	10	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
99-87-6	Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 03:47	SS

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*76.2 %*	S-07	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.4 %*		*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*95.8 %*		*88-114*

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **14D1100-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:30 am	04/28/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
50-32-8	Benzo(a)pyrene Benzo(b)	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
205-99-2	fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
84-74-2	Di-n-butyl phthalate 1,4-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
106-46-7	Dichlorobenzene 1,3-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
541-73-1	Dichlorobenzene 1,2-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
95-50-1	Dichlorobenzene 3,3'-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
91-94-1	Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
84-66-2	Diethyl phthalate 2,4-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
105-67-9	Dimethylphenol Dimethyl	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
131-11-3	phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
51-28-5	2,4-Dinitrophenol 2,4-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
121-14-2	Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **14D1100-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:30 am	04/28/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene Di-n-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
117-84-0	octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.920**		ug/L	0.500	0.500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
67-72-1	Hexachloroethane Indeno	ND		ug/L	0.500	0.500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
193-39-5	(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
91-20-3	**Naphthalene**	**0.0500**	J	ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
100-01-6	4-Nitroaniline 3-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
99-09-2	Nitroaniline 2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
88-74-4	Nitrobenzene 4-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
98-95-3	Nitrophenol 2-Nitrophenol	ND		ug/L	0.250	0.250	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
100-02-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
88-75-5	N-Nitrosodimethylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
621-64-7	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
62-75-9	Pentachlorophenol	ND		ug/L	0.500	0.500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
86-30-6	Phenanthrene	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
87-86-5	Phenol	ND		ug/L	0.250	0.250	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
85-01-8	**Pyrene**	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
108-95-2	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
129-00-0	1,2,4-Trichlorobenzene	**0.110**		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:48	SR
110-86-1	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
120-82-1	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
95-95-4		ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR
88-06-2		ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 16:45	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*18.8 %*	*10-53*
4165-62-2	*Surrogate: Phenol-d5*	*11.3 %*	*10-39*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*60.0 %*	*10-120*

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 14D1100-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:30 am	04/28/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*41.3 %*			*10-108*						
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*51.3 %*			*10-150*						
1718-51-0	*Surrogate: Terphenyl-d14*	*93.4 %*			*10-143*						

Pesticides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
309-00-2	Aldrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
72-43-5	Methoxychlor alpha-	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
319-84-6	BHC Heptachlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
1024-57-3	epoxide beta-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
319-85-7	gamma-Chlordane	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
5103-74-2	delta-BHC	ND		ug/L	0.0103	0.0103	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
319-86-8	Dieldrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
60-57-1	Endosulfan I	ND		ug/L	0.00205	0.00205	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
959-98-8	Endosulfan II	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
33213-65-9	Endosulfan sulfate	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
1031-07-8	Endrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
72-20-8	gamma-BHC (Lindane)	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
58-89-9	Heptachlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
76-44-8	alpha-Chlordane	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW
5103-71-9		ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 11:56	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*34.4 %*	*30-120*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*42.0 %*	*30-120*

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **14D1100-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:30 am	04/28/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:22	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:22	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:22	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:22	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:22	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:22	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:22	JW
1336-36-3	* Total PCBs	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:22	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*34.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*31.6 %*	*30-120*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**1.06**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7440-39-3	**Barium**	**0.073**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7440-70-2	**Calcium**	**599**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7440-50-8	**Copper**	**0.044**		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7439-89-6	**Iron**	**9.00**		mg/L	0.020	0.020	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7439-92-1	**Lead**	**0.092**		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7439-95-4	**Magnesium**	**11.7**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7439-96-5	**Manganese**	**1.47**		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7440-02-0	**Nickel**	**0.006**		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7440-09-7	**Potassium**	**8.50**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7782-49-2	**Selenium**	**0.010**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7440-23-5	**Sodium**	**12.2**		mg/L	0.100	0.100	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **14D1100-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:30 am	04/28/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW
7440-66-6	**Zinc**	**0.092**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:33	MW

Metals, Target Analyte, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.013**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-39-3	**Barium**	**0.041**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-70-2	**Calcium**	**590**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7439-92-1	**Lead**	**0.004**		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7439-95-4	**Magnesium**	**9.54**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7439-96-5	**Manganese**	**0.950**		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-09-7	**Potassium**	**7.64**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7782-49-2	**Selenium**	**0.016**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-23-5	**Sodium**	**10.3**		mg/L	0.100	0.100	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW
7440-66-6	**Zinc**	**0.065**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:27	MW

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **14D1100-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 9:30 am	04/28/2014

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0003**		mg/L	0.0002	0.0002	1	EPA 7470	04/30/2014 18:30	05/01/2014 13:39	AA

Mercury, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00003900	0.0002000	1	EPA 7470	04/30/2014 18:30	05/01/2014 13:39	AA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	0.0100	1	EPA 7196A	04/28/2014 20:53	04/28/2014 20:56	AD

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.00800	0.0100	1	Calculation	05/01/2014 16:52	05/01/2014 17:04	SC

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **14D1100-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:15 am	04/28/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
71-55-6	1,1,1-Trichloroethane 1,1,2,2-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
79-34-5	Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
75-35-4	Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **14D1100-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:15 am	04/28/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
563-58-6	1,1-Dichloropropylene 1,2,3-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
87-61-6	Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
120-82-1	1,2,4-Trichlorobenzene 1,2,4-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
95-63-6	Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
106-93-4	1,2-Dibromoethane 1,2-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
95-50-1	Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
78-87-5	1,2-Dichloropropane 1,3,5-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
108-67-8	Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
67-64-1	Acetone	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **14D1100-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:15 am	04/28/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
179601-23-1	p- & m- Xylenes p-	ND		ug/L	5.0	10	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
99-87-6	Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:17	SS

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*75.2 %*	S-07	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.2 %*		*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*95.3 %*		*88-114*

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **14D1100-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:15 am	04/28/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
50-32-8	Benzo(a)pyrene Benzo(b)	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
205-99-2	fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
84-74-2	Di-n-butyl phthalate 1,4-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
106-46-7	Dichlorobenzene 1,3-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
541-73-1	Dichlorobenzene 1,2-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
95-50-1	Dichlorobenzene 3,3'-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
91-94-1	Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
84-66-2	Diethyl phthalate 2,4-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
105-67-9	Dimethylphenol Dimethyl	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
131-11-3	phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
51-28-5	2,4-Dinitrophenol 2,4-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
121-14-2	Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **14D1100-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:15 am	04/28/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene Di-n-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
117-84-0	octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**50.1**		ug/L	0.500	0.500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
67-72-1	Hexachloroethane Indeno	ND		ug/L	0.500	0.500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
193-39-5	(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
91-20-3	Naphthalene 4-	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
100-01-6	Nitroaniline 3-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
99-09-2	Nitroaniline 2-	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
88-74-4	Nitroaniline Nitrobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
98-95-3	4-Nitrophenol 2-	ND		ug/L	0.250	0.250	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
100-02-7	Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
88-75-5	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
621-64-7	N-Nitrosodimethylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
62-75-9	N-Nitrosodiphenylamine	ND		ug/L	0.500	0.500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
86-30-6	Pentachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
87-86-5	Phenanthrene	ND		ug/L	0.250	0.250	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
85-01-8	Phenol	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
108-95-2	Pyrene	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
129-00-0	Pyridine	ND		ug/L	0.0500	0.0500	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:19	SR
110-86-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
120-82-1	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
95-95-4	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR
88-06-2		ND		ug/L	2.50	5.00	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:16	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*28.4 %*	*10-53*
4165-62-2	*Surrogate: Phenol-d5*	*16.3 %*	*10-39*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*73.6 %*	*10-120*

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 14D1100-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:15 am	04/28/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*63.6 %*			*10-108*						
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*71.3 %*			*10-150*						
1718-51-0	*Surrogate: Terphenyl-d14*	*83.3 %*			*10-143*						

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
309-00-2	Aldrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
72-43-5	Methoxychlor alpha-	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
319-84-6	BHC Heptachlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
1024-57-3	epoxide beta-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
319-85-7	gamma-Chlordane	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
5103-74-2	delta-BHC	ND		ug/L	0.0103	0.0103	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
319-86-8	Dieldrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
60-57-1	Endosulfan I	ND		ug/L	0.00205	0.00205	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
959-98-8	Endosulfan II	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
33213-65-9	Endosulfan sulfate	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
1031-07-8	Endrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
72-20-8	gamma-BHC (Lindane)	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
58-89-9	Heptachlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
76-44-8	alpha-Chlordane	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW
5103-71-9		ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:12	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*40.7 %*	*30-120*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*44.8 %*	*30-120*

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **14D1100-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:15 am	04/28/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:41	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:41	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:41	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:41	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:41	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:41	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:41	JW
1336-36-3	* Total PCBs	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 17:41	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*38.9 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*42.3 %*	*30-120*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.337**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7440-39-3	**Barium**	**0.030**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7440-70-2	**Calcium**	**232**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7440-50-8	**Copper**	**0.044**		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7439-89-6	**Iron**	**0.544**		mg/L	0.020	0.020	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7439-95-4	**Magnesium**	**96.6**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7439-96-5	**Manganese**	**0.614**		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7440-02-0	**Nickel**	**0.007**		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7440-09-7	**Potassium**	**11.8**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7782-49-2	**Selenium**	**0.037**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7440-23-5	**Sodium**	**31.4**		mg/L	0.100	0.100	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **14D1100-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:15 am	04/28/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW
7440-66-6	**Zinc**	**0.080**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:38	MW

Metals, Target Analyte, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-39-3	**Barium**	**0.028**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-70-2	**Calcium**	**233**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-50-8	**Copper**	**0.025**		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7439-95-4	**Magnesium**	**96.5**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7439-96-5	**Manganese**	**0.618**		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-02-0	**Nickel**	**0.006**		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-09-7	**Potassium**	**11.5**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7782-49-2	**Selenium**	**0.047**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-23-5	**Sodium**	**31.4**		mg/L	0.100	0.100	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW
7440-66-6	**Zinc**	**0.071**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:32	MW

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **14D1100-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:15 am	04/28/2014

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	0.0002	1	EPA 7470	04/30/2014 18:30	05/01/2014 13:39	AA

Mercury, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00003900	0.0002000	1	EPA 7470	04/30/2014 18:30	05/01/2014 13:39	AA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	0.0100	1	EPA 7196A	04/28/2014 20:53	04/28/2014 20:56	AD

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.00800	0.0100	1	Calculation	05/01/2014 16:52	05/01/2014 17:04	SC

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14D1100-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:45 am	04/28/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
71-55-6	1,1,1-Trichloroethane 1,1,2,2-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
79-34-5	Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
75-35-4	Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14D1100-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:45 am	04/28/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
563-58-6	1,1-Dichloropropylene 1,2,3-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
87-61-6	Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
120-82-1	1,2,4-Trichlorobenzene 1,2,4-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
95-63-6	Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
106-93-4	1,2-Dibromoethane 1,2-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
95-50-1	Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
78-87-5	1,2-Dichloropropane 1,3,5-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
108-67-8	Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
67-64-1	**Acetone**	**3.0**	J, B	ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14D1100-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:45 am	04/28/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
179601-23-1	p- & m- Xylenes p-	ND		ug/L	5.0	10	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
99-87-6	Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 04:47	SS

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*79.7 %*	S-07	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.7 %*		*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*93.2 %*		*88-114*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14D1100-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:45 am	04/28/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
50-32-8	Benzo(a)pyrene Benzo(b)	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
205-99-2	fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
84-74-2	Di-n-butyl phthalate 1,4-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
106-46-7	Dichlorobenzene 1,3-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
541-73-1	Dichlorobenzene 1,2-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
95-50-1	Dichlorobenzene 3,3'-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
91-94-1	Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
84-66-2	Diethyl phthalate 2,4-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
105-67-9	Dimethylphenol Dimethyl	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
131-11-3	phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
51-28-5	2,4-Dinitrophenol 2,4-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
121-14-2	Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14D1100-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:45 am	04/28/2014

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene Di-n-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
117-84-0	octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.759**		ug/L	0.513	0.513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
86-73-7	**Fluorene**	**0.400**		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
67-72-1	Hexachloroethane Indeno	ND		ug/L	0.513	0.513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
193-39-5	(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
91-20-3	Naphthalene 4-	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
100-01-6	Nitroaniline 3-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
99-09-2	Nitroaniline 2-	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
88-74-4	Nitroaniline Nitrobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
98-95-3	4-Nitrophenol 2-	ND		ug/L	0.256	0.256	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
100-02-7	Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
88-75-5	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
621-64-7	N-Nitrosodimethylamine	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
62-75-9	N-Nitrosodiphenylamine	ND		ug/L	0.513	0.513	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
86-30-6	Pentachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
87-86-5	Phenanthrene	ND		ug/L	0.256	0.256	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
85-01-8	Phenol	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	04/30/2014 17:50	SR
108-95-2	Pyrene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
129-00-0	Pyridine	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
110-86-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
120-82-1	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
95-95-4	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR
88-06-2		ND		ug/L	2.56	5.13	1	EPA 8270D	04/29/2014 19:00	05/01/2014 12:34	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*23.6 %*	*10-53*
4165-62-2	*Surrogate: Phenol-d5*	*17.0 %*	*10-39*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*54.9 %*	*10-120*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14D1100-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:45 am	04/28/2014

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*54.4 %*			*10-108*						
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*46.2 %*			*10-150*						
1718-51-0	*Surrogate: Terphenyl-d14*	*59.1 %*			*10-143*						

Pesticides, NYSDEC Part 375 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
309-00-2	Aldrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
72-43-5	Methoxychlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
319-84-6	alpha-BHC beta-	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
319-85-7	BHC gamma-	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
5103-74-2	Chlordane delta-	ND		ug/L	0.0103	0.0103	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
319-86-8	BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
60-57-1	Dieldrin	ND		ug/L	0.00205	0.00205	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
959-98-8	Endosulfan I	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
72-20-8	Endrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
76-44-8	Heptachlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	0.00410	1	EPA 8081B	04/30/2014 06:03	04/30/2014 12:28	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*66.8 %*	*30-120*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*50.7 %*	*30-120*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14D1100-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:45 am	04/28/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 18:00	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 18:00	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 18:00	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 18:00	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 18:00	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 18:00	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 18:00	JW
1336-36-3	* Total PCBs	ND		ug/L	0.0513	0.0513	1	EPA 8082A	04/30/2014 06:03	04/30/2014 18:00	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*45.8 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*52.6 %*	*30-120*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7440-39-3	Barium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7440-70-2	Calcium	ND		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7439-95-4	Magnesium	ND		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7439-96-5	Manganese	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7440-09-7	Potassium	ND		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7440-23-5	Sodium	ND		mg/L	0.100	0.100	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14D1100-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:45 am	04/28/2014

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:17	05/01/2014 00:43	MW

Metals, Target Analyte, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-39-3	Barium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-70-2	Calcium	ND		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7439-95-4	Magnesium	ND		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7439-96-5	Manganese	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-09-7	**Potassium**	**0.052**		mg/L	0.050	0.050	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-23-5	Sodium	ND		mg/L	0.100	0.100	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW
7440-66-6	**Zinc**	**0.010**		mg/L	0.010	0.010	1	EPA 6010C	04/30/2014 14:11	04/30/2014 22:38	MW

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **14D1100-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 10:45 am	04/28/2014

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	0.0002	1	EPA 7470	04/30/2014 18:30	05/01/2014 13:39	AA

Mercury, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00003900	0.0002000	1	EPA 7470	04/30/2014 18:30	05/01/2014 13:39	AA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	0.0100	1	EPA 7196A	04/28/2014 20:53	04/28/2014 20:56	AD

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.00800	0.0100	1	Calculation	05/01/2014 16:52	05/01/2014 17:04	SC

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **14D1100-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 11:45 am	04/28/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
71-55-6	1,1,1-Trichloroethane 1,1,2,2-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
79-34-5	Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
75-35-4	Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **14D1100-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 11:45 am	04/28/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
563-58-6	1,1-Dichloropropylene 1,2,3-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
87-61-6	Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
120-82-1	1,2,4-Trichlorobenzene 1,2,4-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
95-63-6	Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
106-93-4	1,2-Dibromoethane 1,2-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
95-50-1	Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
78-87-5	1,2-Dichloropropane 1,3,5-	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
108-67-8	Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
67-64-1	**Acetone**	**2.8**	J, B	ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **14D1100-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D1100	100 Union Ave Brooklyn, NY	Water	April 23, 2014 11:45 am	04/28/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
179601-23-1	p- & m- Xylenes p-	ND		ug/L	5.0	10	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
99-87-6	Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C	04/30/2014 16:56	05/01/2014 05:17	SS

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*75.9 %*	S-07	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.5 %*		*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*93.4 %*		*88-114*

Analytical Batch Summary

Batch ID: BD41403 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
14D1100-01	MW-1	04/28/14
14D1100-02	MW-2	04/28/14
14D1100-03	MW-3	04/28/14
14D1100-04	Field Blank	04/28/14
BD41403-BLK1	Blank	04/28/14
BD41403-BS1	LCS	04/28/14
BD41403-DUP1	Duplicate	04/28/14
BD41403-MS1	Matrix Spike	04/28/14

Batch ID: BD41452 **Preparation Method:** EPA 3510C **Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date
14D1100-01	MW-1	04/29/14
14D1100-02	MW-2	04/29/14
14D1100-03	MW-3	04/29/14
14D1100-04	Field Blank	04/29/14
BD41452-BLK1	Blank	04/29/14
BD41452-BS1	LCS	04/29/14
BD41452-BS2	LCS	04/29/14

Batch ID: BD41497 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14D1100-01	MW-1	04/30/14
14D1100-01	MW-1	04/30/14
14D1100-02	MW-2	04/30/14
14D1100-02	MW-2	04/30/14
14D1100-03	MW-3	04/30/14
14D1100-03	MW-3	04/30/14
14D1100-04	Field Blank	04/30/14
14D1100-04	Field Blank	04/30/14
BD41497-BLK1	Blank	04/30/14
BD41497-BLK1	Blank	04/30/14
BD41497-BS1	LCS	04/30/14
BD41497-BS2	LCS	04/30/14
BD41497-BSD1	LCS Dup	04/30/14
BD41497-BSD2	LCS Dup	04/30/14

Batch ID: BD41555 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14D1100-01	MW-1	04/30/14
14D1100-02	MW-2	04/30/14
14D1100-03	MW-3	04/30/14

14D1100-04	Field Blank	04/30/14
BD41555-BLK1	Blank	04/30/14
BD41555-DUP1	Duplicate	04/30/14
BD41555-MS1	Matrix Spike	04/30/14
BD41555-SRM1	Reference	04/30/14
BD41555-SRM2	Reference	04/30/14

Batch ID: BD41557 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14D1100-01	MW-1	04/30/14
14D1100-02	MW-2	04/30/14
14D1100-03	MW-3	04/30/14
14D1100-04	Field Blank	04/30/14
BD41557-BLK1	Blank	04/30/14
BD41557-DUP1	Duplicate	04/30/14
BD41557-MS1	Matrix Spike	04/30/14
BD41557-SRM1	Reference	04/30/14
BD41557-SRM2	Reference	04/30/14

Batch ID: BD41578 **Preparation Method:** EPA SW846-7470 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14D1100-01	MW-1	04/30/14
14D1100-02	MW-2	04/30/14
14D1100-03	MW-3	04/30/14
14D1100-04	Field Blank	04/30/14
BD41578-BLK1	Blank	04/30/14
BD41578-BLK2	Blank	04/30/14
BD41578-BS1	LCS	04/30/14
BD41578-BS2	LCS	04/30/14

Batch ID: BE40017 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14D1100-01	MW-1	04/30/14
14D1100-02	MW-2	04/30/14
14D1100-03	MW-3	04/30/14
14D1100-04	Field Blank	04/30/14
14D1100-05	Trip Blank	04/30/14
BE40017-BLK1	Blank	04/30/14
BE40017-BLK2	Blank	04/30/14
BE40017-BS1	LCS	04/30/14
BE40017-BSD1	LCS Dup	04/30/14

Batch ID: BE40084 **Preparation Method:** *** DEFAULT PREP *** **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14D1100-01	MW-1	05/01/14

14D1100-02	MW-2	05/01/14
14D1100-03	MW-3	05/01/14
14D1100-04	Field Blank	05/01/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40017 - EPA 5030B											
Blank (BE40017-BLK1)											
Prepared: 04/30/2014 Analyzed: 05/01/2014											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	3.0	5.0	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	5.0	"								
Naphthalene	ND	5.0	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40017 - EPA 5030B											
Blank (BE40017-BLK1)											
Prepared: 04/30/2014 Analyzed: 05/01/2014											
p- & m- Xylenes	ND	10	ug/L								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*7.71*		*"*	*10.0*		*77.1*	*81-123*				
Surrogate: p-Bromofluorobenzene	*9.86*		*"*	*10.0*		*98.6*	*70-128*				
Surrogate: Toluene-d8	*9.38*		*"*	*10.0*		*93.8*	*88-114*				
Blank (BE40017-BLK2)											
Prepared: 04/30/2014 Analyzed: 05/01/2014											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	2.8	5.0	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40017 - EPA 5030B											
Blank (BE40017-BLK2)											
Prepared: 04/30/2014 Analyzed: 05/01/2014											
Chlorobenzene	ND	5.0	ug/L								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	5.0	"								
Naphthalene	ND	5.0	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*8.05*		*"*	*10.0*		*80.5*	*81-123*				
Surrogate: p-Bromofluorobenzene	*9.86*		*"*	*10.0*		*98.6*	*70-128*				
Surrogate: Toluene-d8	*9.44*		*"*	*10.0*		*94.4*	*88-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40017 - EPA 5030B											
LCS (BE40017-BS1) 1,1,1,2-								Prepared: 04/30/2014 Analyzed: 05/01/2014			
Tetrachloroethane	8.7		ug/L	10.0		87.4	85-118				
1,1,1-Trichloroethane	8.6		"	10.0		86.1	74-128				
1,1,2,2-Tetrachloroethane	12		"	10.0		117	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		105	51-157				
1,1,2-Trichloroethane	11		"	10.0		107	80-122				
1,1-Dichloroethane	11		"	10.0		109	70-131				
1,1-Dichloroethylene	9.8		"	10.0		97.6	60-143				
1,1-Dichloropropylene	11		"	10.0		106	78-122				
1,2,3-Trichlorobenzene	8.6		"	10.0		86.0	68-140				
1,2,3-Trichloropropane	10		"	10.0		104	77-125				
1,2,4-Trichlorobenzene	8.4		"	10.0		84.0	65-143				
1,2,4-Trimethylbenzene	9.0		"	10.0		90.2	83-121				
1,2-Dibromo-3-chloropropane	6.9		"	10.0		68.6	60-146				
1,2-Dibromoethane	9.9		"	10.0		99.4	82-122				
1,2-Dichlorobenzene	7.7		"	10.0		77.3	85-115	Low Bias			
1,2-Dichloroethane	8.4		"	10.0		83.5	72-126				
1,2-Dichloropropane	11		"	10.0		105	78-119				
1,3,5-Trimethylbenzene	9.4		"	10.0		94.4	84-118				
1,3-Dichlorobenzene	9.3		"	10.0		92.7	83-117				
1,3-Dichloropropane	10		"	10.0		101	79-121				
1,4-Dichlorobenzene	9.4		"	10.0		93.5	83-118				
2,2-Dichloropropane	6.9		"	10.0		69.4	60-135				
2-Butanone	5.3		"	10.0		53.1	48-156				
2-Chlorotoluene	9.2		"	10.0		91.9	81-118				
4-Chlorotoluene	9.2		"	10.0		91.9	81-117				
Acetone	12		"	10.0		121	21-172				
Benzene	12		"	10.0		121	82-120	High Bias			
Bromobenzene	10		"	10.0		101	82-119				
Bromochloromethane	11		"	10.0		115	69-125				
Bromodichloromethane	8.2		"	10.0		82.4	84-117	Low Bias			
Bromoform	9.1		"	10.0		90.9	77-130				
Bromomethane	12		"	10.0		122	16-162				
Carbon tetrachloride	8.3		"	10.0		83.2	72-132				
Chlorobenzene	9.6		"	10.0		96.2	88-112				
Chloroethane	12		"	10.0		117	29-172				
Chloroform	9.7		"	10.0		96.7	77-124				
Chloromethane	15		"	10.0		146	37-131	High Bias			
cis-1,2-Dichloroethylene	10		"	10.0		101	77-124				
cis-1,3-Dichloropropylene	9.8		"	10.0		98.3	81-117				
Dibromochloromethane	9.0		"	10.0		89.6	72-131				
Dibromomethane	11		"	10.0		106	85-116				
Dichlorodifluoromethane	8.4		"	10.0		83.8	47-152				
Ethyl Benzene	9.2		"	10.0		92.2	86-114				
Hexachlorobutadiene	6.8		"	10.0		67.9	68-139	Low Bias			
Isopropylbenzene	9.4		"	10.0		94.4	84-118				
Methyl tert-butyl ether (MTBE)	11		"	10.0		107	49-156				
Methylene chloride	15		"	10.0		150	51-145	High Bias			
Naphthalene	9.9		"	10.0		99.2	67-141				
n-Butylbenzene	8.8		"	10.0		87.9	76-125				
n-Propylbenzene	9.4		"	10.0		94.5	84-118				
o-Xylene	8.8		"	10.0		88.0	85-114				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40017 - EPA 5030B											
LCS (BE40017-BS1)								Prepared: 04/30/2014 Analyzed: 05/01/2014			
p- & m- Xylenes	18		ug/L	20.0		88.0	84-117				
p-Isopropyltoluene	8.8		"	10.0		88.5	84-121				
sec-Butylbenzene	9.2		"	10.0		92.1	85-119				
Styrene	8.8		"	10.0		88.0	77-126				
tert-Butylbenzene	8.9		"	10.0		88.9	83-119				
Tetrachloroethylene	8.8		"	10.0		88.3	75-129				
Toluene	10		"	10.0		100	86-113				
trans-1,2-Dichloroethylene	11		"	10.0		108	55-148				
trans-1,3-Dichloropropylene	8.8		"	10.0		88.0	77-120				
Trichloroethylene	9.4		"	10.0		94.4	85-115				
Trichlorofluoromethane	7.9		"	10.0		78.6	69-131				
Vinyl Chloride	12		"	10.0		117	44-152				
Vinyl acetate	8.6		"	10.0		85.8	48-145				
Surrogate: 1,2-Dichloroethane-d4	*7.44*		*"*	*10.0*		*74.4*	*81-123*				
Surrogate: p-Bromofluorobenzene	*9.91*		*"*	*10.0*		*99.1*	*70-128*				
Surrogate: Toluene-d8	*9.45*		*"*	*10.0*		*94.5*	*88-114*				
LCS Dup (BE40017-BSD1)								Prepared: 04/30/2014 Analyzed: 05/01/2014			
1,1,1,2-Tetrachloroethane	9.0		ug/L	10.0		89.5	85-118		2.37	30	
1,1,1-Trichloroethane	8.6		"	10.0		85.5	74-128		0.699	30	
1,1,2,2-Tetrachloroethane	12		"	10.0		117	71-130		0.513	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		103	51-157		1.44	30	
1,1,2-Trichloroethane	11		"	10.0		108	80-122		0.650	30	
1,1-Dichloroethane	11		"	10.0		108	70-131		1.01	30	
1,1-Dichloroethylene	9.6		"	10.0		96.4	60-143		1.24	30	
1,1-Dichloropropylene	11		"	10.0		106	78-122		0.565	30	
1,2,3-Trichlorobenzene	8.4		"	10.0		84.1	68-140		2.23	30	
1,2,3-Trichloropropane	10		"	10.0		103	77-125		1.54	30	
1,2,4-Trichlorobenzene	8.4		"	10.0		83.7	65-143		0.358	30	
1,2,4-Trimethylbenzene	9.0		"	10.0		90.3	83-121		0.111	30	
1,2-Dibromo-3-chloropropane	5.8		"	10.0		58.1	60-146	Low Bias	16.6	30	
1,2-Dibromoethane	10		"	10.0		102	82-122		2.19	30	
1,2-Dichlorobenzene	8.1		"	10.0		80.8	85-115	Low Bias	4.43	30	
1,2-Dichloroethane	8.4		"	10.0		83.5	72-126		0.00	30	
1,2-Dichloropropane	11		"	10.0		105	78-119		0.0949	30	
1,3,5-Trimethylbenzene	9.3		"	10.0		93.3	84-118		1.17	30	
1,3-Dichlorobenzene	9.2		"	10.0		91.5	83-117		1.30	30	
1,3-Dichloropropane	10		"	10.0		102	79-121		0.295	30	
1,4-Dichlorobenzene	9.2		"	10.0		91.7	83-118		1.94	30	
2,2-Dichloropropane	6.6		"	10.0		65.9	60-135		5.17	30	
2-Butanone	9.9		"	10.0		98.9	48-156		60.3	30	Non-dir.
2-Chlorotoluene	9.1		"	10.0		90.9	81-118		1.09	30	
4-Chlorotoluene	8.9		"	10.0		89.3	81-117		2.87	30	
Acetone	9.9		"	10.0		99.4	21-172		19.3	30	
Benzene	12		"	10.0		120	82-120		0.744	30	
Bromobenzene	9.1		"	10.0		90.6	82-119		10.8	30	
Bromochloromethane	12		"	10.0		116	69-125		0.954	30	
Bromodichloromethane	8.4		"	10.0		83.7	84-117	Low Bias	1.57	30	
Bromoform	9.4		"	10.0		94.5	77-130		3.88	30	
Bromomethane	13		"	10.0		132	16-162		7.39	30	
Carbon tetrachloride	8.4		"	10.0		84.3	72-132		1.31	30	
Chlorobenzene	10		"	10.0		100	88-112		4.27	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40017 - EPA 5030B											
LCS Dup (BE40017-BSD1)									Prepared: 04/30/2014 Analyzed: 05/01/2014		
Chloroethane	12		ug/L	10.0		123	29-172		4.76	30	
Chloroform	9.6		"	10.0		96.5	77-124		0.207	30	
Chloromethane	15		"	10.0		148	37-131	High Bias	1.56	30	
cis-1,2-Dichloroethylene	10		"	10.0		100	77-124		0.598	30	
cis-1,3-Dichloropropylene	10		"	10.0		100	81-117		2.01	30	
Dibromochloromethane	9.1		"	10.0		91.1	72-131		1.66	30	
Dibromomethane	11		"	10.0		106	85-116		0.471	30	
Dichlorodifluoromethane	8.0		"	10.0		80.4	47-152		4.14	30	
Ethyl Benzene	9.5		"	10.0		94.9	86-114		2.89	30	
Hexachlorobutadiene	6.6		"	10.0		66.0	68-139	Low Bias	2.84	30	
Isopropylbenzene	9.3		"	10.0		92.8	84-118		1.71	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		110	49-156		2.39	30	
Methylene chloride	15		"	10.0		150	51-145	High Bias	0.0665	30	
Naphthalene	9.8		"	10.0		98.4	67-141		0.810	30	
n-Butylbenzene	8.7		"	10.0		87.3	76-125		0.685	30	
n-Propylbenzene	9.3		"	10.0		93.1	84-118		1.49	30	
o-Xylene	9.0		"	10.0		89.9	85-114		2.14	30	
p- & m- Xylenes	18		"	20.0		89.3	84-117		1.52	30	
p-Isopropyltoluene	8.7		"	10.0		87.2	84-121		1.48	30	
sec-Butylbenzene	9.2		"	10.0		91.9	85-119		0.217	30	
Styrene	9.0		"	10.0		89.9	77-126		2.14	30	
tert-Butylbenzene	8.9		"	10.0		88.8	83-119		0.113	30	
Tetrachloroethylene	9.0		"	10.0		90.5	75-129		2.46	30	
Toluene	10		"	10.0		103	86-113		2.46	30	
trans-1,2-Dichloroethylene	11		"	10.0		106	55-148		1.59	30	
trans-1,3-Dichloropropylene	9.3		"	10.0		92.9	77-120		5.42	30	
Trichloroethylene	9.6		"	10.0		95.7	85-115		1.37	30	
Trichlorofluoromethane	8.2		"	10.0		81.5	69-131		3.62	30	
Vinyl Chloride	12		"	10.0		124	44-152		6.39	30	
Vinyl acetate	8.7		"	10.0		87.0	48-145		1.39	30	
Surrogate: 1,2-Dichloroethane-d4	*7.62*		*"*	*10.0*		*76.2*	*81-123*				
Surrogate: p-Bromofluorobenzene	*9.51*		*"*	*10.0*		*95.1*	*70-128*				
Surrogate: Toluene-d8			*"*	*10.0*		*95.5*	*88-114*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41452 - EPA 3510C											
Blank (BD41452-BLK1)											
Prepared: 04/29/2014 Analyzed: 04/30/2014											
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene Benzo	ND	0.0500	"								
(k)fluoranthene Benzyl	ND	0.0500	"								
alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Di-n-butyl phthalate 1,4-	ND	5.00	"								
Dichlorobenzene 1,3-Dichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene 3,3'-	ND	5.00	"								
Dichlorobenzidine	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	5.00	"								
Fluoranthene	ND	0.500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0500	"								
Hexachlorobutadiene	ND	0.0200	"								
Hexachlorocyclopentadiene	ND	0.500	"								
Hexachloroethane Indeno	ND	5.00	"								
(1,2,3-cd)pyrene Isophorone	ND	0.500	"								
2-Methylnaphthalene	ND	0.0500	"								
2-Methylphenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
Naphthalene	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
	ND	0.0500	"								
	ND	5.00	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41452 - EPA 3510C											
Blank (BD41452-BLK1)											Prepared: 04/29/2014 Analyzed: 04/30/2014
3-Nitroaniline	ND	5.00	ug/L								
2-Nitroaniline	ND	5.00	"								
Nitrobenzene	ND	0.250	"								
4-Nitrophenol	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
Surrogate: 2-Fluorophenol	*13.0*		"	*76.8*		*16.9*	*10-53*				
Surrogate: Phenol-d5	*9.20*		"	*75.2*		*12.2*	*10-39*				
Surrogate: Nitrobenzene-d5	*23.0*		"	*51.4*		*44.7*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*25.3*		"	*50.0*		*50.6*	*10-108*				
Surrogate: 2,4,6-Tribromophenol	*37.2*		"	*77.8*		*47.8*	*10-150*				
Surrogate: Terphenyl-d14	*25.9*		"	*50.2*		*51.6*	*10-143*				
LCS (BD41452-BS1)											Prepared: 04/29/2014 Analyzed: 04/30/2014
Acenaphthene	31.2	0.0500	ug/L	50.0		62.4	24-114				
Acenaphthylene	27.3	0.0500	"	50.0		54.6	26-112				
Aniline	32.4	5.00	"	50.0		64.7	10-107				
Anthracene	31.4	0.0500	"	50.0		62.7	35-114				
Benzo(a)anthracene	35.9	0.0500	"	50.0		71.8	38-127				
Benzo(a)pyrene Benzo(b)	38.6	0.0500	"	50.0		77.2	30-146				
fluoranthene	45.4	0.0500	"	50.0		90.8	36-145				
Benzo(g,h,i)perylene	42.0	0.0500	"	50.0		84.0	10-163				
Benzo(k)fluoranthene	35.2	0.0500	"	50.0		70.4	16-149				
Benzyl alcohol	22.3	5.00	"	50.0		44.5	18-75				
Benzyl butyl phthalate	39.4	5.00	"	50.0		78.9	28-129				
4-Bromophenyl phenyl ether	33.2	5.00	"	50.0		66.4	38-116				
4-Chloro-3-methylphenol	27.7	5.00	"	50.0		55.4	28-101				
4-Chloroaniline	35.6	5.00	"	50.0		71.2	10-154				
Bis(2-chloroethoxy)methane	29.2	5.00	"	50.0		58.4	27-112				
Bis(2-chloroethyl)ether	18.4	5.00	"	50.0		36.8	24-114				
Bis(2-chloroisopropyl)ether	44.6	5.00	"	50.0		89.2	21-124				
2-Chloronaphthalene	31.1	5.00	"	50.0		62.1	40-96				
2-Chlorophenol	30.4	5.00	"	50.0		60.9	35-84				
4-Chlorophenyl phenyl ether	31.0	5.00	"	50.0		62.0	34-112				
Chrysene	42.5	0.0500	"	50.0		85.0	33-120				
Dibenzo(a,h)anthracene	42.2	0.0500	"	50.0		84.3	10-149				
Dibenzofuran	31.0	5.00	"	50.0		61.9	42-105				
Di-n-butyl phthalate 1,4-	33.0	5.00	"	50.0		65.9	36-110				
Dichlorobenzene 1,3-	27.2	5.00	"	50.0		54.3	42-82				
Dichlorobenzene 1,2-	26.8	5.00	"	50.0		53.6	45-80				
Dichlorobenzene	28.1	5.00	"	50.0		56.2	42-85				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41452 - EPA 3510C											
LCS (BD41452-BS1)								Prepared: 04/29/2014 Analyzed: 04/30/2014			
3,3'-Dichlorobenzidine	52.8	5.00	ug/L	50.0		106	25-155				
2,4-Dichlorophenol	34.9	5.00	"	50.0		69.8	43-92				
Diethyl phthalate	31.2	5.00	"	50.0		62.5	38-112				
2,4-Dimethylphenol	28.8	5.00	"	50.0		57.7	25-92				
Dimethyl phthalate	36.8	5.00	"	50.0		73.5	49-106				
4,6-Dinitro-2-methylphenol	42.2	5.00	"	50.0		84.5	10-135				
2,4-Dinitrophenol	37.9	5.00	"	50.0		75.8	10-149				
2,4-Dinitrotoluene	39.2	5.00	"	50.0		78.3	41-114				
2,6-Dinitrotoluene	38.9	5.00	"	50.0		77.9	49-106				
Di-n-octyl phthalate	30.4	5.00	"	50.0		60.9	12-149				
Bis(2-ethylhexyl)phthalate	32.5	0.500	"	50.0		65.0	10-171				
Fluoranthene	31.7	0.0500	"	50.0		63.4	33-126				
Fluorene	32.4	0.0500	"	50.0		64.9	28-117				
Hexachlorobenzene	28.1	0.0200	"	50.0		56.2	27-120				
Hexachlorobutadiene	33.0	0.500	"	50.0		66.0	25-106				
Hexachlorocyclopentadiene	20.2	5.00	"	50.0		40.4	10-99				
Hexachloroethane Indeno	31.9	0.500	"	50.0		63.8	33-84				
(1,2,3-cd)pyrene Isophorone	41.7	0.0500	"	50.0		83.4	10-150				
2-Methylnaphthalene	31.4	5.00	"	50.0		62.9	29-115				
2-Methylphenol	27.2	5.00	"	50.0		54.4	33-101				
3- & 4-Methylphenols	21.8	5.00	"	50.0		43.6	10-90				
Naphthalene	19.7	5.00	"	50.0		39.4	10-101				
4-Nitroaniline	28.1	0.0500	"	50.0		56.2	30-99				
3-Nitroaniline	25.2	5.00	"	50.0		50.4	15-143				
2-Nitroaniline	37.1	5.00	"	50.0		74.2	29-128				
Nitrobenzene	37.0	5.00	"	50.0		74.0	31-122				
4-Nitrophenol	34.0	0.250	"	50.0		68.1	32-113				
2-Nitrophenol	13.7	5.00	"	50.0		27.5	10-112				
N-nitroso-di-n-propylamine	34.3	5.00	"	50.0		68.7	37-97				
N-Nitrosodimethylamine	28.4	5.00	"	50.0		56.7	36-118				
N-Nitrosodiphenylamine	11.9	0.500	"	50.0		23.8	10-63				
Pentachlorophenol	31.6	5.00	"	50.0		63.3	27-145				
Phenanthrene	35.3	0.250	"	50.0		70.5	19-127				
Phenol	35.1	0.0500	"	50.0		70.2	31-112				
Pyrene	11.6	5.00	"	50.0		23.2	10-37				
Pyridine	39.8	0.0500	"	50.0		79.6	42-125				
1,2,4-Trichlorobenzene	3.48	5.00	"	50.0		6.96	10-46	Low Bias			
2,4,5-Trichlorophenol	32.1	5.00	"	50.0		64.2	35-91				
2,4,6-Trichlorophenol	32.0	5.00	"	50.0		64.0	36-112				
	32.4	5.00	"	50.0		64.7	41-107				
Surrogate: 2-Fluorophenol	*21.5*		"	*76.8*		*28.0*	*10-53*				
Surrogate: Phenol-d5	*13.0*		"	*75.2*		*17.2*	*10-39*				
Surrogate: Nitrobenzene-d5	*29.8*		"	*51.4*		*58.0*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*21.2*		"	*50.0*		*42.5*	*10-108*				
Surrogate: 2,4,6-Tribromophenol	*48.7*		"	*77.8*		*62.6*	*10-150*				
Surrogate: Terphenyl-d14			"	*50.2*		*71.2*	*10-143*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41452 - EPA 3510C											
LCS (BD41452-BS2)								Prepared: 04/29/2014 Analyzed: 04/30/2014			
Acenaphthene	0.560	0.0500	ug/L	1.00		56.0	24-114				
Acenaphthylene	0.640	0.0500	"	1.00		64.0	26-112				
Aniline	ND	5.00	"				10-107				
Anthracene	0.770	0.0500	"	1.00		77.0	35-114				
Benzo(a)anthracene	0.680	0.0500	"	1.00		68.0	38-127				
Benzo(a)pyrene	0.810	0.0500	"	1.00		81.0	30-146				
Benzo(b)fluoranthene	0.670	0.0500	"	1.00		67.0	36-145				
Benzo(g,h,i)perylene Benzo	0.790	0.0500	"	1.00		79.0	10-163				
(k)fluoranthene Benzyl	0.640	0.0500	"	1.00		64.0	16-149				
alcohol	ND	5.00	"				18-75				
Benzyl butyl phthalate	ND	5.00	"				28-129				
4-Bromophenyl phenyl ether	ND	5.00	"				38-116				
4-Chloro-3-methylphenol	ND	5.00	"				28-101				
4-Chloroaniline	ND	5.00	"				10-154				
Bis(2-chloroethoxy)methane	ND	5.00	"				27-112				
Bis(2-chloroethyl)ether	ND	5.00	"				24-114				
Bis(2-chloroisopropyl)ether	ND	5.00	"				21-124				
2-Chloronaphthalene	ND	5.00	"				40-96				
2-Chlorophenol	ND	5.00	"				35-84				
4-Chlorophenyl phenyl ether	ND	5.00	"				34-112				
Chrysene	0.730	0.0500	"	1.00		73.0	33-120				
Dibenzo(a,h)anthracene	0.760	0.0500	"	1.00		76.0	10-149				
Dibenzofuran	ND	5.00	"				42-105				
Di-n-butyl phthalate 1,4-	ND	5.00	"				36-110				
Dichlorobenzene 1,3-Dichlorobenzene	ND	5.00	"				42-82				
1,2-Dichlorobenzene 3,3'-	ND	5.00	"				45-80				
Dichlorobenzidine	ND	5.00	"				42-85				
2,4-Dichlorophenol	ND	5.00	"				25-155				
Diethyl phthalate	ND	5.00	"				43-92				
2,4-Dimethylphenol	ND	5.00	"				38-112				
Dimethyl phthalate	ND	5.00	"				25-92				
4,6-Dinitro-2-methylphenol	ND	5.00	"				49-106				
2,4-Dinitrophenol	ND	5.00	"				10-135				
2,4-Dinitrotoluene	ND	5.00	"				10-149				
2,6-Dinitrotoluene	ND	5.00	"				41-114				
Di-n-octyl phthalate	ND	5.00	"				49-106				
Bis(2-ethylhexyl)phthalate	ND	5.00	"				12-149				
Fluoranthene	ND	0.500	"				10-171				
Fluorene	0.620	0.0500	"	1.00		62.0	33-126				
Hexachlorobenzene	0.640	0.0500	"	1.00		64.0	28-117				
Hexachlorobutadiene	ND	0.0200	"				27-120				
Hexachlorocyclopentadiene	ND	0.500	"				25-106				
Hexachloroethane Indeno	ND	5.00	"				10-99				
(1,2,3-cd)pyrene Isophorone	ND	0.500	"				33-84				
2-Methylnaphthalene	0.800	0.0500	"	1.00		80.0	10-150				
2-Methylphenol	ND	5.00	"				29-115				
3- & 4-Methylphenols	ND	5.00	"				33-101				
Naphthalene	ND	5.00	"				10-90				
4-Nitroaniline	ND	5.00	"				10-101				
	0.540	0.0500	"	1.00		54.0	30-99				
	ND	5.00	"				15-143				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41452 - EPA 3510C											
LCS (BD41452-BS2)								Prepared: 04/29/2014 Analyzed: 04/30/2014			
3-Nitroaniline	ND	5.00	ug/L				29-128				
2-Nitroaniline	ND	5.00	"				31-122				
Nitrobenzene	ND	0.250	"				32-113				
4-Nitrophenol	ND	5.00	"				10-112				
2-Nitrophenol	ND	5.00	"				37-97				
N-nitroso-di-n-propylamine	ND	5.00	"				36-118				
N-Nitrosodimethylamine	ND	0.500	"				10-63				
N-Nitrosodiphenylamine	ND	5.00	"				27-145				
Pentachlorophenol	ND	0.250	"				19-127				
Phenanthrene	0.500	0.0500	"	1.00		50.0	31-112				
Phenol	ND	5.00	"				10-37				
Pyrene	0.670	0.0500	"	1.00		67.0	42-125				
Pyridine	ND	5.00	"				10-46				
1,2,4-Trichlorobenzene	ND	5.00	"				35-91				
2,4,5-Trichlorophenol	ND	5.00	"				36-112				
2,4,6-Trichlorophenol	ND	5.00	"				41-107				
Surrogate: 2-Fluorophenol	*0.00*		*"*	*76.8*			*10-53*				
Surrogate: Phenol-d5	*0.00*		*"*	*75.2*			*10-39*				
Surrogate: Nitrobenzene-d5	*0.00*		*"*	*51.4*			*10-120*				
Surrogate: 2-Fluorobiphenyl	*0.00*		*"*	*50.0*			*10-108*				
Surrogate: 2,4,6-Tribromophenol	*0.00*		*"*	*77.8*			*10-150*				
Surrogate: Terphenyl-d14	*0.00*		*"*	*50.2*			*10-143*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41497 - EPA SW846-3510C Low Level											
Blank (BD41497-BLK1)								Prepared & Analyzed: 04/30/2014			
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Aldrin	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
gamma-BHC (Lindane)	ND	0.00400	"								
Heptachlor	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
Surrogate: Decachlorobiphenyl	*0.143*		*"*	*0.215*		*66.7*	*30-120*				
Surrogate: Tetrachloro-m-xylene	*0.0857*		*"*	*0.203*		*42.2*	*30-120*				
LCS (BD41497-BS1)								Prepared & Analyzed: 04/30/2014			
4,4'-DDD	0.0650	0.00400	ug/L	0.100		65.0	40-120				
4,4'-DDE	0.0568	0.00400	"	0.100		56.8	40-120				
4,4'-DDT	0.0781	0.00400	"	0.100		78.1	40-120				
Methoxychlor	0.0760	0.00400	"	0.100		76.0	40-120				
Aldrin	0.0430	0.00400	"	0.100		43.0	40-120				
Heptachlor epoxide	0.0538	0.00400	"	0.100		53.8	40-120				
alpha-BHC beta-	0.0482	0.00400	"	0.100		48.2	40-120				
BHC gamma-	0.0564	0.00400	"	0.100		56.4	40-120				
Chlordane delta-	0.0508	0.0100	"	0.100		50.8	40-120				
BHC	0.0418	0.00400	"	0.100		41.8	40-120				
Dieldrin	0.0574	0.00200	"	0.100		57.4	40-120				
Endosulfan I	0.0576	0.00400	"	0.100		57.6	40-120				
Endosulfan II	0.0616	0.00400	"	0.100		61.6	40-120				
Endosulfan sulfate	0.0667	0.00400	"	0.100		66.7	40-120				
Endrin	0.0604	0.00400	"	0.100		60.4	40-120				
gamma-BHC (Lindane)	0.0496	0.00400	"	0.100		49.6	40-120				
Heptachlor	0.0518	0.00400	"	0.100		51.8	40-120				
alpha-Chlordane	0.0506	0.00400	"	0.100		50.6	40-120				
Surrogate: Decachlorobiphenyl	*0.148*		*"*	*0.215*		*68.8*	*30-120*				
Surrogate: Tetrachloro-m-xylene	*0.0993*		*"*	*0.203*		*48.9*	*30-120*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41497 - EPA SW846-3510C Low Level											
LCS Dup (BD41497-BSD1)								Prepared & Analyzed: 04/30/2014			
4,4'-DDD	0.0601	0.00400	ug/L	0.100		60.1	40-120		7.72	30	
4,4'-DDE	0.0546	0.00400	"	0.100		54.6	40-120		4.03	30	
4,4'-DDT	0.0713	0.00400	"	0.100		71.3	40-120		9.11	30	
Methoxychlor	0.0689	0.00400	"	0.100		68.9	40-120		9.85	30	
Aldrin	0.0417	0.00400	"	0.100		41.7	40-120		3.03	30	
Heptachlor epoxide	0.0474	0.00400	"	0.100		47.4	40-120		12.6	30	
alpha-BHC	0.0435	0.00400	"	0.100		43.5	40-120		10.2	30	
beta-BHC	0.0527	0.00400	"	0.100		52.7	40-120		6.79	30	
gamma-Chlordane	0.0457	0.0100	"	0.100		45.7	40-120		10.6	30	
delta-BHC	0.0405	0.00400	"	0.100		40.5	40-120		3.20	30	
Dieldrin	0.0513	0.00200	"	0.100		51.3	40-120		11.3	30	
Endosulfan I	0.0520	0.00400	"	0.100		52.0	40-120		10.2	30	
Endosulfan II	0.0559	0.00400	"	0.100		55.9	40-120		9.70	30	
Endosulfan sulfate	0.0598	0.00400	"	0.100		59.8	40-120		10.9	30	
Endrin	0.0556	0.00400	"	0.100		55.6	40-120		8.31	30	
gamma-BHC (Lindane)	0.0451	0.00400	"	0.100		45.1	40-120		9.49	30	
Heptachlor alpha-	0.0471	0.00400	"	0.100		47.1	40-120		9.50	30	
Chlordane	0.0456	0.00400	"	0.100		45.6	40-120		10.3	30	
Surrogate: Decachlorobiphenyl	*0.132*		*"*	*0.215*		*61.5*	*30-120*				
Surrogate: Tetrachloro-m-xylene	*0.0873*		*"*	*0.203*		*43.0*	*30-120*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41497 - EPA SW846-3510C Low Level											
Blank (BD41497-BLK1)								Prepared & Analyzed: 04/30/2014			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.0760*		"	*0.203*		*37.4*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.119*		"	*0.215*		*55.3*	*30-120*				
LCS (BD41497-BS2)								Prepared & Analyzed: 04/30/2014			
Aroclor 1016	0.748	0.0500	ug/L	1.00		74.8	40-120				
Aroclor 1260	0.877	0.0500	"	1.00		87.7	40-120				
Surrogate: Tetrachloro-m-xylene	*0.0820*		"	*0.203*		*40.4*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.114*		"	*0.215*		*53.0*	*30-120*				
LCS Dup (BD41497-BSD2)								Prepared & Analyzed: 04/30/2014			
Aroclor 1016	0.814	0.0500	ug/L	1.00		81.4	40-120		8.37	30	
Aroclor 1260	0.962	0.0500	"	1.00		96.2	40-120		9.20	30	
Surrogate: Tetrachloro-m-xylene	*0.0950*		"	*0.203*		*46.8*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.129*		"	*0.215*		*60.0*	*30-120*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41555 - EPA 3010A											
Blank (BD41555-BLK1)									Prepared & Analyzed: 04/30/2014		
Aluminum - Dissolved	ND	0.010	mg/L								
Antimony - Dissolved	ND	0.005	"								
Arsenic - Dissolved	ND	0.004	"								
Barium - Dissolved	ND	0.010	"								
Beryllium - Dissolved	ND	0.001	"								
Cadmium - Dissolved	ND	0.003	"								
Calcium - Dissolved	ND	0.050	"								
Chromium - Dissolved	ND	0.005	"								
Cobalt - Dissolved	ND	0.005	"								
Copper - Dissolved	ND	0.003	"								
Iron - Dissolved	ND	0.020	"								
Lead - Dissolved	ND	0.003	"								
Magnesium - Dissolved	ND	0.050	"								
Manganese - Dissolved	ND	0.005	"								
Nickel - Dissolved	ND	0.005	"								
Potassium - Dissolved	ND	0.050	"								
Selenium - Dissolved	ND	0.010	"								
Silver - Dissolved	ND	0.005	"								
Sodium - Dissolved	ND	0.100	"								
Thallium - Dissolved	ND	0.005	"								
Vanadium - Dissolved	ND	0.010	"								
Zinc - Dissolved	ND	0.010	"								
Duplicate (BD41555-DUP1)	*Source sample: 14D1100-01 (MW-1)								Prepared & Analyzed: 04/30/2014		
Aluminum - Dissolved	ND	0.010	mg/L		0.011					20	
Antimony - Dissolved	ND	0.005	"		ND					20	
Arsenic - Dissolved	ND	0.004	"		ND					20	
Barium - Dissolved	0.116	0.010	"		0.117				0.804	20	
Beryllium - Dissolved	ND	0.001	"		ND					20	
Cadmium - Dissolved	ND	0.003	"		ND					20	
Calcium - Dissolved	132	0.050	"		132				0.570	20	
Chromium - Dissolved	ND	0.005	"		ND					20	
Cobalt - Dissolved	ND	0.005	"		ND					20	
Copper - Dissolved	ND	0.003	"		ND					20	
Iron - Dissolved	0.023	0.020	"		0.024				3.26	20	
Lead - Dissolved	ND	0.003	"		ND					20	
Magnesium - Dissolved	4.44	0.050	"		4.44				0.113	20	
Manganese - Dissolved	0.810	0.005	"		0.809				0.113	20	
Nickel - Dissolved	ND	0.005	"		ND					20	
Potassium - Dissolved	5.39	0.050	"		5.36				0.475	20	
Selenium - Dissolved	ND	0.010	"		ND					20	
Silver - Dissolved	ND	0.005	"		ND					20	
Sodium - Dissolved	11.2	0.100	"		11.1				0.337	20	
Thallium - Dissolved	ND	0.005	"		ND					20	
Vanadium - Dissolved	ND	0.010	"		ND					20	
Zinc - Dissolved	0.057	0.010	"		0.057				0.945	20	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41555 - EPA 3010A											
Matrix Spike (BD41555-MS1)	*Source sample: 14D1100-01 (MW-1)							Prepared & Analyzed: 04/30/2014			
Antimony - Dissolved	0.244	0.005	mg/L	0.250	ND	97.6	75-125				
Arsenic - Dissolved	2.00	0.004	"	2.00	ND	99.8	75-125				
Barium - Dissolved	2.18	0.010	"	2.00	0.117	103	75-125				
Beryllium - Dissolved	0.050	0.001	"	0.0500	ND	101	75-125				
Cadmium - Dissolved	0.049	0.003	"	0.0500	ND	98.0	75-125				
Chromium - Dissolved	0.200	0.005	"	0.200	ND	99.9	75-125				
Cobalt - Dissolved	0.509	0.005	"	0.500	ND	102	75-125				
Copper - Dissolved	0.268	0.003	"	0.250	ND	107	75-125				
Iron - Dissolved	1.05	0.020	"	1.00	0.024	102	75-125				
Lead - Dissolved	0.492	0.003	"	0.500	ND	98.4	75-125				
Manganese - Dissolved	1.33	0.005	"	0.500	0.809	104	75-125				
Nickel - Dissolved	0.501	0.005	"	0.500	ND	100	75-125				
Selenium - Dissolved	2.13	0.010	"	2.00	ND	106	75-125				
Silver - Dissolved	0.047	0.005	"	0.0500	ND	93.4	75-125				
Thallium - Dissolved	1.95	0.005	"	2.00	ND	97.4	75-125				
Vanadium - Dissolved	0.492	0.010	"	0.500	ND	98.5	75-125				
Zinc - Dissolved	0.558	0.010	"	0.500	0.057	100	75-125				
Reference (BD41555-SRM1)								Prepared & Analyzed: 04/30/2014			
Aluminum - Dissolved	3.01	0.010	mg/L	3.16		95.2	82.9-116				
Antimony - Dissolved	0.633	0.005	"	0.687		92.2	70.6-120				
Arsenic - Dissolved	0.212	0.004	"	0.243		87.4	82.7-118				
Barium - Dissolved	1.97	0.010	"	1.99		99.0	86.9-113				
Beryllium - Dissolved	0.447	0.001	"	0.487		91.8	85-113				
Cadmium - Dissolved	0.183	0.003	"	0.198		92.5	84.8-114				
Chromium - Dissolved	0.727	0.005	"	0.780		93.1	87.2-113				
Cobalt - Dissolved	0.198	0.005	"	0.198		100	87.4-113				
Copper - Dissolved	0.160	0.003	"	0.170		94.4	89.4-111				
Iron - Dissolved	0.350	0.020	"	0.322		109	87.3-115				
Lead - Dissolved	0.207	0.003	"	0.213		97.1	85-115				
Manganese - Dissolved	1.61	0.005	"	1.64		98.2	89.6-111				
Nickel - Dissolved	1.44	0.005	"	1.58		91.3	89.9-111				
Selenium - Dissolved	1.13	0.010	"	1.28		88.6	79.6-116				
Silver - Dissolved	0.444	0.005	"	0.477		93.2	85.7-114				
Thallium - Dissolved	0.387	0.005	"	0.409		94.7	79-121				
Vanadium - Dissolved	0.456	0.010	"	0.502		90.9	87.5-112				
Zinc - Dissolved	1.29	0.010	"	1.40		92.1	85.7-114				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41555 - EPA 3010A											
Reference (BD41555-SRM2)								Prepared & Analyzed: 04/30/2014			
Calcium - Dissolved	65.5	0.050	mg/L	62.7		105	86-114				
Magnesium - Dissolved	29.6	0.050	"	29.0		102	86.2-114				
Potassium - Dissolved	36.1	0.050	"	32.4		111	85.2-115				
Sodium - Dissolved	91.5	0.100	"	85.1		108	85-115				
Batch BD41557 - EPA 3010A											
Blank (BD41557-BLK1)								Prepared & Analyzed: 04/30/2014			
Aluminum	ND	0.010	mg/L								
Antimony	ND	0.005	"								
Arsenic	ND	0.004	"								
Barium	ND	0.010	"								
Beryllium	ND	0.001	"								
Cadmium	ND	0.003	"								
Calcium	ND	0.050	"								
Chromium	ND	0.005	"								
Cobalt	ND	0.005	"								
Copper	ND	0.003	"								
Iron	ND	0.020	"								
Lead	ND	0.003	"								
Magnesium	ND	0.050	"								
Manganese	ND	0.005	"								
Nickel	ND	0.005	"								
Potassium	ND	0.050	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Sodium	ND	0.100	"								
Thallium	ND	0.005	"								
Vanadium	ND	0.010	"								
Zinc	ND	0.010	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41557 - EPA 3010A											
Duplicate (BD41557-DUP1)	*Source sample: 14D1100-01 (MW-1)								Prepared: 04/30/2014 Analyzed: 05/01/2014		
Aluminum	0.147	0.010	mg/L		0.150				1.81	20	
Antimony	ND	0.005	"		ND					20	
Arsenic	ND	0.004	"		ND					20	
Barium	0.130	0.010	"		0.128				0.903	20	
Beryllium	ND	0.001	"		ND					20	
Cadmium	ND	0.003	"		ND					20	
Calcium	133	0.050	"		133				0.353	20	
Chromium	ND	0.005	"		ND					20	
Cobalt	ND	0.005	"		ND					20	
Copper	ND	0.003	"		ND					20	
Iron	1.93	0.020	"		1.91				1.22	20	
Lead	0.005	0.003	"		0.005				3.05	20	
Magnesium	4.52	0.050	"		4.45				1.39	20	
Manganese	0.812	0.005	"		0.807				0.664	20	
Nickel	ND	0.005	"		ND					20	
Potassium	5.49	0.050	"		5.47				0.317	20	
Selenium	ND	0.010	"		ND					20	
Silver	ND	0.005	"		ND					20	
Sodium	11.4	0.100	"		11.3				1.06	20	
Thallium	ND	0.005	"		ND					20	
Vanadium	ND	0.010	"		ND					20	
Zinc	0.065	0.010	"		0.064				1.76	20	
Matrix Spike (BD41557-MS1)	*Source sample: 14D1100-01 (MW-1)								Prepared: 04/30/2014 Analyzed: 05/01/2014		
Antimony	0.244	0.005	mg/L	0.250	ND	97.7	75-125				
Arsenic	1.96	0.004	"	2.00	ND	98.1	75-125				
Barium	2.17	0.010	"	2.00	0.128	102	75-125				
Beryllium	0.050	0.001	"	0.0500	ND	99.3	75-125				
Cadmium	0.048	0.003	"	0.0500	ND	96.9	75-125				
Chromium	0.198	0.005	"	0.200	ND	99.0	75-125				
Cobalt	0.508	0.005	"	0.500	ND	102	75-125				
Copper	0.263	0.003	"	0.250	ND	105	75-125				
Iron	2.88	0.020	"	1.00	1.91	97.7	75-125				
Lead	0.492	0.003	"	0.500	0.005	97.4	75-125				
Manganese	1.32	0.005	"	0.500	0.807	102	75-125				
Nickel	0.499	0.005	"	0.500	ND	99.7	75-125				
Selenium	2.04	0.010	"	2.00	ND	102	75-125				
Silver	0.047	0.005	"	0.0500	ND	93.9	75-125				
Thallium	1.92	0.005	"	2.00	ND	96.1	75-125				
Vanadium	0.485	0.010	"	0.500	ND	97.1	75-125				
Zinc	0.556	0.010	"	0.500	0.064	98.5	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41557 - EPA 3010A											
Reference (BD41557-SRM1)								Prepared & Analyzed: 04/30/2014			
Aluminum	3.06	0.010	mg/L	3.16		96.7	82.9-116				
Antimony	0.631	0.005	"	0.687		91.8	70.6-120				
Arsenic	0.211	0.004	"	0.243		86.6	82.7-118				
Barium	1.95	0.010	"	1.99		98.0	86.9-113				
Beryllium	0.451	0.001	"	0.487		92.5	85-113				
Cadmium	0.182	0.003	"	0.198		91.8	84.8-114				
Chromium	0.718	0.005	"	0.780		92.0	87.2-113				
Cobalt	0.198	0.005	"	0.198		100	87.4-113				
Copper	0.158	0.003	"	0.170		92.7	89.4-111				
Iron	0.347	0.020	"	0.322		108	87.3-115				
Lead	0.205	0.003	"	0.213		96.3	85-115				
Manganese	1.62	0.005	"	1.64		98.7	89.6-111				
Nickel	1.43	0.005	"	1.58		90.2	89.9-111				
Selenium	1.13	0.010	"	1.28		87.9	79.6-116				
Silver	0.441	0.005	"	0.477		92.5	85.7-114				
Thallium	0.380	0.005	"	0.409		92.8	79-121				
Vanadium	0.451	0.010	"	0.502		89.9	87.5-112				
Zinc	1.28	0.010	"	1.40		91.4	85.7-114				
Reference (BD41557-SRM2)								Prepared & Analyzed: 04/30/2014			
Calcium	65.9	0.050	mg/L	62.7		105	86-114				
Magnesium	29.7	0.050	"	29.0		102	86.2-114				
Potassium	36.8	0.050	"	32.4		113	85.2-115				
Sodium	92.3	0.100	"	85.1		108	85-115				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41578 - EPA SW846-7470											
Blank (BD41578-BLK1)											Prepared: 04/30/2014 Analyzed: 05/01/2014
Mercury - Dissolved	ND	0.0002000	mg/L								
Mercury	ND	0.0002	"								
Blank (BD41578-BLK2)											Prepared: 04/30/2014 Analyzed: 05/01/2014
Mercury	ND	0.0002	mg/L								
Mercury - Dissolved	ND	0.0002000	"								
LCS (BD41578-BS1)											Prepared: 04/30/2014 Analyzed: 05/01/2014
Mercury - Dissolved	0.002091	0.0002000	mg/L	0.00200		105	80-120				
Mercury	0.002091	0.0002	"	0.00200		105	80-120				
LCS (BD41578-BS2)											Prepared: 04/30/2014 Analyzed: 05/01/2014
Mercury - Dissolved	0.002122	0.0002000	mg/L	0.00200		106	80-120				
Mercury	0.002122	0.0002	"	0.00200		106	80-120				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41403 - Analysis Preparation											
Blank (BD41403-BLK1)								Prepared & Analyzed: 04/28/2014			
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BD41403-BS1)								Prepared & Analyzed: 04/28/2014			
Chromium, Hexavalent	0.500	0.0100	mg/L	0.500		100	80-120				
Duplicate (BD41403-DUP1)	*Source sample: 14D1100-01 (MW-1)							Prepared & Analyzed: 04/28/2014			
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BD41403-MS1)	*Source sample: 14D1100-01 (MW-1)							Prepared & Analyzed: 04/28/2014			
Chromium, Hexavalent	0.490	0.0100	mg/L	0.500	ND	98.0	75-125				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14D1100-01	MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14D1100-02	MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14D1100-03	MW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14D1100-04	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14D1100-05	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

S-07	The recovery of this surrogate was outside of RCP limits.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-02	NON-COMPLIANT-This sample was received outside the EPA recommended holding time.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

Corrective Action: Client submitted (2) 1 Liter Ambers (not 3) as indicated on Chain-of-Custody. Hexavalent chromium samples received outside of holding time.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 14D1100

YOUR Information

Company: Hydrotech
Address: 15 Ocean Ave
Brooklyn, NY
Phone No. 718-676-0800
Contact Person: Paul
E-Mail Address: PMatiPhotech.com

Report To:

Company: S
Address: A
Phone No. M
Attention: E
E-Mail Address:

Invoice To:

Company: S
Address: A
Phone No. M
Attention: E
E-Mail Address:

YOUR Project ID

100 Union Ave
Brooklyn, NY

Purchase Order No.

5040

Samples from: CT___ NY X NJ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard (5-7 Days) ☒

Report Type

- Summary Report X
- Summary w/ QA Summary X
- CT RCP Package ____
- CTRCP DQA/DUE Pkg ____
- NY ASP A Package ____
- NY ASP B Package ____
- NJDEP Red. Deliv. ____

Electronic Data Deliverables (EDD)

- Simple Excel X
- NYSDEC EQuIS X
- EQuIS (std) ____
- EZ-EDD (EQuIS) ____
- NJDEP SRP HazSite EDD ____
- GIS/KEY (std) ____
- Other ____

York Regulatory Comparison Excel Spreadsheet
Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)
Sivsta Castillo
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW-1	4/23/14 9am	GW	8260, 8270SIM, 8081, 8082, TAL Metals (Incl. Chromium Hex) + Dissolved Metals	3 VOA, 3 Amber, 1 (1) 250 mL
MW-2	9:30AM			
MW-3	10:15AM			
Field Blank	10:45AM	DI		
Trip Blank	11:15AM	Lab	8260	2 Vials

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Comments
gely E-deliverables to Hydrotech & Billing
at 37° Unstruck + Instr. Received

Preservation
Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C___ Frozen___ HCl___ MeOH___ HNO_3___ H_2SO_4___ NaOH___
ZnAc Ascorbic Acid 1215 Other 1215

Samples Relinquished By — Date/Time 4/28/14 1215pm
Samples Relinquished By — Date/Time

Samples Received By K Bailey — Date/Time 4/28/14
Samples Received in LAB by E Schreck — Date/Time 4/28/14 1840

Temperature on Receipt 5.2 °C

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Report Date: 05/08/2014
Client Project ID: #140078 100 Union Ave., Brooklyn, NY
York Project (SDG) No.: 14E0258

Report Date: 05/08/2014
Client Project ID: #140078 100 Union Ave., Brooklyn, NY
York Project (SDG) No.: 14E0258

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 07, 2014 and listed below. The project was identified as your project: **#140078 100 Union Ave., Brooklyn, NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14E0258-01	SP-6 0-2 ft	Soil	05/07/2014	05/07/2014
14E0258-02	SP-6 6-8 ft	Soil	05/07/2014	05/07/2014
14E0258-03	MW-4	Water	05/07/2014	05/07/2014

General Notes for York Project (SDG) No.: 14E0258

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 05/08/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SP-6 0-2 ft** **York Sample ID:** **14E0258-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14E0258	#140078 100 Union Ave., Brooklyn, NY	Soil	May 7, 2014 12:00 pm	05/07/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
71-55-6	1,1,1-Trichloroethane 1,1,2,2-	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
79-34-5	Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
75-35-4	Dichloroethylene 1,1-	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
563-58-6	Dichloropropylene 1,2,3-	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
87-61-6	Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
120-82-1	1,2,4-Trichlorobenzene 1,2,4-	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
95-63-6	Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
106-93-4	1,2-Dibromoethane 1,2-	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
95-50-1	Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
78-87-5	1,2-Dichloropropane 1,3,5-	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
108-67-8	Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	46	91	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
67-64-1	Acetone	ND		ug/kg dry	2.3	9.1	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS

Sample Information

Client Sample ID: **SP-6 0-2 ft** **York Sample ID:** **14E0258-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14E0258	#140078 100 Union Ave., Brooklyn, NY	Soil	May 7, 2014 12:00 pm	05/07/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
75-09-2	**Methylene chloride**	**2.5**	J	ug/kg dry	2.3	9.1	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.3	9.1	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
179601-23-1	p- & m- Xylenes p-	ND		ug/kg dry	4.6	9.1	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
99-87-6	Isopropyltoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
127-18-4	**Tetrachloroethylene**	**38**	CCV-E	ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.8	14	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	05/07/2014 16:48	05/08/2014 10:51	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*109 %*	*90-112*

Sample Information

Client Sample ID: **SP-6 0-2 ft** **York Sample ID:** **14E0258-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14E0258	#140078 100 Union Ave., Brooklyn, NY	Soil	May 7, 2014 12:00 pm	05/07/2014

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**806**	J	ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
62-53-3	Aniline	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
120-12-7	**Anthracene**	**1350**		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
56-55-3	**Benzo(a)anthracene**	**3630**		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
50-32-8	**Benzo(a)pyrene Benzo(b)**	**2840**		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
205-99-2	**fluoranthene**	**2390**		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
191-24-2	**Benzo(g,h,i)perylene**	**1360**		ug/kg dry	677	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
207-08-9	**Benzo(k)fluoranthene**	**2590**		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
86-74-8	**Carbazole**	**723**	J	ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	677	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
218-01-9	**Chrysene**	**3040**		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
132-64-9	**Dibenzofuran**	**494**	J	ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
84-74-2	Di-n-butyl phthalate 1,2-	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
95-50-1	Dichlorobenzene 1,3-	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
541-73-1	Dichlorobenzene 1,4-	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
106-46-7	Dichlorobenzene 3,3'-	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
91-94-1	Dichlorobenzidine Diethyl	ND		ug/kg dry	1350	2680	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
84-66-2	phthalate Dimethyl	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
131-11-3	phthalate	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	677	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
606-20-2	2,6-Dinitrotoluene Di-n-	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
117-84-0	octyl phthalate	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
206-44-0	**Fluoranthene**	**7580**		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
86-73-7	**Fluorene**	**677**	J	ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR

Sample Information

Client Sample ID: **SP-6 0-2 ft** **York Sample ID:** **14E0258-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14E0258	#140078 100 Union Ave., Brooklyn, NY	Soil	May 7, 2014 12:00 pm	05/07/2014

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	677	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1430**		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
78-59-1	Isophorone	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
91-20-3	**Naphthalene** 4-	**446**	J	ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
100-01-6	Nitroaniline	ND		ug/kg dry	677	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	677	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	677	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
85-01-8	**Phenanthrene**	**6610**		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
129-00-0	**Pyrene**	**6440**		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
110-86-1	Pyridine	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	339	1340	5	EPA 8270D	05/07/2014 16:00	05/08/2014 10:18	SR

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*66.9 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*67.3 %*	*10-126*
1718-51-0	*Surrogate: Terphenyl-d14*	*69.9 %*	*10-137*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.1**		%	0.100	0.100	1	SM 2540G	05/08/2014 09:07	05/08/2014 12:06	ALD

Sample Information

Client Sample ID: **SP-6 6-8 ft** **York Sample ID:** **14E0258-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14E0258	#140078 100 Union Ave., Brooklyn, NY	Soil	May 7, 2014 12:00 pm	05/07/2014

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: **SP-6 6-8 ft** **York Sample ID:** **14E0258-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14E0258	#140078 100 Union Ave., Brooklyn, NY	Soil	May 7, 2014 12:00 pm	05/07/2014

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
71-55-6	1,1,1-Trichloroethane 1,1,2,2-	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
79-34-5	Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
75-35-4	Dichloroethylene 1,1-	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
563-58-6	Dichloropropylene 1,2,3-	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
87-61-6	Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
120-82-1	1,2,4-Trichlorobenzene 1,2,4-	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
95-63-6	Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
106-93-4	1,2-Dibromoethane 1,2-	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
95-50-1	Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
78-87-5	1,2-Dichloropropane 1,3,5-	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
108-67-8	Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	48	97	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
67-64-1	Acetone	ND		ug/kg dry	2.4	9.7	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS

Sample Information

Client Sample ID: **SP-6 6-8 ft** **York Sample ID:** **14E0258-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14E0258	#140078 100 Union Ave., Brooklyn, NY	Soil	May 7, 2014 12:00 pm	05/07/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.4	9.7	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.4	9.7	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
179601-23-1	p- & m- Xylenes p-	ND		ug/kg dry	4.8	9.7	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
99-87-6	Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
127-18-4	**Tetrachloroethylene**	**4.6**	CCV-E, J	ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.2	14	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	05/07/2014 16:48	05/08/2014 11:30	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*107 %*	*90-112*

Sample Information

Client Sample ID: **SP-6 6-8 ft** **York Sample ID:** **14E0258-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14E0258	#140078 100 Union Ave., Brooklyn, NY	Soil	May 7, 2014 12:00 pm	05/07/2014

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
62-53-3	Aniline	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
120-12-7	**Anthracene**	**76.5**	J	ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
56-55-3	**Benzo(a)anthracene**	**218**	J	ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
50-32-8	**Benzo(a)pyrene Benzo(b)**	**164**	J	ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
205-99-2	**fluoranthene**	**98.3**	J	ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	141	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
207-08-9	**Benzo(k)fluoranthene**	**146**	J	ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
86-74-8	Carbazole	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	141	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
218-01-9	**Chrysene**	**161**	J	ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
95-50-1	1,2-Dichlorobenzene 1,3-	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
541-73-1	Dichlorobenzene 1,4-	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
106-46-7	Dichlorobenzene 3,3'-	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
91-94-1	Dichlorobenzidine Diethyl	ND		ug/kg dry	280	558	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
84-66-2	phthalate Dimethyl	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
131-11-3	phthalate	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	141	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
606-20-2	2,6-Dinitrotoluene Di-n-	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
117-84-0	octyl phthalate	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
206-44-0	**Fluoranthene**	**460**		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
86-73-7	Fluorene	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR

Sample Information

Client Sample ID: SP-6 6-8 ft **York Sample ID:** 14E0258-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14E0258	#140078 100 Union Ave., Brooklyn, NY	Soil	May 7, 2014 12:00 pm	05/07/2014

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	141	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**83.8**	J	ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
78-59-1	Isophorone	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
91-20-3	Naphthalene 4-	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
100-01-6	Nitroaniline 3-	ND		ug/kg dry	141	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
99-09-2	Nitroaniline Nitrobenzene	ND		ug/kg dry	141	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
98-95-3	N-nitroso-di-n-propylamine	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
621-64-7	N-Nitrosodimethylamine	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
62-75-9	N-Nitrosodiphenylamine	ND		ug/kg dry	141	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
86-30-6	**Phenanthrene**	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
85-01-8	**Pyrene**	**271**	J	ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
129-00-0	Pyridine	**376**		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
110-86-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR
120-82-1		ND		ug/kg dry	70.4	279	1	EPA 8270D	05/07/2014 16:00	05/08/2014 10:50	SR

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*52.7 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*49.3 %*	*10-126*
1718-51-0	*Surrogate: Terphenyl-d14*	*52.6 %*	*10-137*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.5**		%	0.100	0.100	1	SM 2540G	05/08/2014 09:07	05/08/2014 12:06	ALD

Sample Information

Client Sample ID: MW-4 **York Sample ID:** 14E0258-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14E0258	#140078 100 Union Ave., Brooklyn, NY	Water	May 7, 2014 12:00 pm	05/07/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: **MW-4** **York Sample ID:** **14E0258-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14E0258	#140078 100 Union Ave., Brooklyn, NY	Water	May 7, 2014 12:00 pm	05/07/2014

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
71-55-6	1,1,1-Trichloroethane 1,1,2,2-	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
79-34-5	Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
75-34-3	1,1-Dichloroethane 1,1-	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
75-35-4	Dichloroethylene 1,1-	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
563-58-6	Dichloropropylene 1,2,3-	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
87-61-6	Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
527-53-7	*** 1,2,4,5-Tetramethylbenzene**	**0.35**	J, B	ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
95-63-6	**1,2,4-Trimethylbenzene**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
106-93-4	1,2-Dibromoethane 1,2-	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
95-50-1	Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
108-67-8	**1,3,5-Trimethylbenzene**	**0.50**		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
78-93-3	2-Butanone	ND		ug/L	0.50	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS

Sample Information

Client Sample ID: **MW-4** **York Sample ID:** **14E0258-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14E0258	#140078 100 Union Ave., Brooklyn, NY	Water	May 7, 2014 12:00 pm	05/07/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Revised to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.34**	J	ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
75-09-2	**Methylene chloride**	**11**		ug/L	1.0	2.0	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
95-47-6	**o-Xylene**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
179601-23-1	**p- & m- Xylenes**	**0.50**	J	ug/L	0.50	1.0	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
622-96-8	*** p-Ethyltoluene** p-	**0.50**		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
99-87-6	Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
127-18-4	**Tetrachloroethylene**	**19**		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
108-88-3	**Toluene**	**1.3**		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS
1330-20-7	**Xylenes, Total**	**0.75**	J	ug/L	0.60	1.5	1	EPA 8260C	05/08/2014 07:44	05/08/2014 12:58	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*87.3 %*	*70-128*

Sample Information

Client Sample ID: **MW-4** **York Sample ID:** **14E0258-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14E0258	#140078 100 Union Ave., Brooklyn, NY	Water	May 7, 2014 12:00 pm	05/07/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: Toluene-d8*	*103 %*			*88-114*						

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes: **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.0800**		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
62-53-3	Aniline	ND		ug/L	1.50	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
120-12-7	**Anthracene**	**0.0800**		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
50-32-8	Benzo(a)pyrene Benzo(b)	ND		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
205-99-2	fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.852	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.33	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
86-74-8	Carbazole	ND		ug/L	1.31	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.98	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.77	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.50	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.99	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.20	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.45	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
132-64-9	Dibenzofuran	ND		ug/L	2.41	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
84-74-2	Di-n-butyl phthalate 1,4-	ND		ug/L	2.05	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
106-46-7	Dichlorobenzene 1,2-	ND		ug/L	2.21	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
95-50-1	Dichlorobenzene 1,3-	ND		ug/L	2.49	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
541-73-1	Dichlorobenzene 3,3'-	ND		ug/L	2.61	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
91-94-1	Dichlorobenzidine Diethyl	ND		ug/L	1.27	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
84-66-2	phthalate Dimethyl	ND		ug/L	2.56	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
131-11-3	phthalate	ND		ug/L	1.91	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.61	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.61	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR

Sample Information

Client Sample ID: **MW-4** **York Sample ID:** **14E0258-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14E0258	#140078 100 Union Ave., Brooklyn, NY	Water	May 7, 2014 12:00 pm	05/07/2014

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.12	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**2.69**		ug/L	0.500	0.500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
206-44-0	**Fluoranthene**	**0.0900**		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
86-73-7	**Fluorene**	**0.0900**		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.53	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
67-72-1	Hexachloroethane Indeno	ND		ug/L	0.500	0.500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
193-39-5	(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
78-59-1	Isophorone	ND		ug/L	2.68	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.76	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
91-20-3	**Naphthalene**	**0.190**		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.68	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.68	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.68	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
98-95-3	Nitrobenzene	ND		ug/L	0.250	0.250	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	0.500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.00	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
85-01-8	**Phenanthrene**	**0.190**		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
129-00-0	**Pyrene**	**0.0700**		ug/L	0.0500	0.0500	1	EPA 8270D	05/07/2014 21:00	05/08/2014 11:48	SR
110-86-1	Pyridine	ND		ug/L	3.91	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.47	5.00	1	EPA 8270D	05/07/2014 21:00	05/08/2014 12:23	SR

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*49.8 %*	*10-120*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*31.7 %*	*10-108*
1718-51-0	*Surrogate: Terphenyl-d14*	*41.4 %*	*10-143*

Analytical Batch Summary

Batch ID: BE40389 **Preparation Method:** EPA 3510C **Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date
14E0258-03	MW-4	05/07/14
BE40389-BLK1	Blank	05/07/14
BE40389-BS1	LCS	05/07/14

Batch ID: BE40397 **Preparation Method:** EPA 3545A **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
14E0258-01	SP-6 0-2 ft	05/07/14
14E0258-02	SP-6 6-8 ft	05/07/14
BE40397-BLK1	Blank	05/07/14
BE40397-BS1	LCS	05/07/14
BE40397-BSD1	LCS Dup	05/07/14

Batch ID: BE40441 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14E0258-01	SP-6 0-2 ft	05/07/14
14E0258-02	SP-6 6-8 ft	05/07/14
BE40441-BLK1	Blank	05/07/14
BE40441-BS1	LCS	05/07/14
BE40441-BSD1	LCS Dup	05/07/14

Batch ID: BE40446 **Preparation Method:** % Solids Prep **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14E0258-01	SP-6 0-2 ft	05/08/14
14E0258-02	SP-6 6-8 ft	05/08/14

Batch ID: BE40487 **Preparation Method:** EPA 5030B **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
14E0258-03	MW-4	05/08/14
BE40487-BLK1	Blank	05/08/14
BE40487-BLK2	Blank	05/08/14
BE40487-BS1	LCS	05/08/14
BE40487-BSD1	LCS Dup	05/08/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40441 - EPA 5035A											
Blank (BE40441-BLK1)											
Prepared: 05/07/2014 Analyzed: 05/08/2014											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	2.7	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	6.0	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40441 - EPA 5035A											
Blank (BE40441-BLK1)								Prepared: 05/07/2014 Analyzed: 05/08/2014			
o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*48.1*		*ug/L*	*50.0*		*96.2*	*67-130*				
Surrogate: p-Bromofluorobenzene	*47.5*		*"*	*50.0*		*94.9*	*75-127*				
Surrogate: Toluene-d8	*54.2*		*"*	*50.0*		*108*	*90-112*				
LCS (BE40441-BS1)								Prepared: 05/07/2014 Analyzed: 05/08/2014			
1,1,1,2-Tetrachloroethane	60		ug/L	50.0		121	72-126				
1,1,1-Trichloroethane	55		"	50.0		111	74-126				
1,1,2,2-Tetrachloroethane	62		"	50.0		125	72-133				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52		"	50.0		103	47-160				
1,1,2-Trichloroethane	58		"	50.0		116	81-124				
1,1-Dichloroethane	53		"	50.0		106	80-125				
1,1-Dichloroethylene	53		"	50.0		105	62-136				
1,1-Dichloropropylene	53		"	50.0		106	81-121				
1,2,3-Trichlorobenzene	68		"	50.0		136	63-154				
1,2,3-Trichloropropane	61		"	50.0		122	70-126				
1,2,4-Trichlorobenzene	67		"	50.0		135	61-158				
1,2,4-Trimethylbenzene	57		"	50.0		114	83-123				
1,2-Dibromo-3-chloropropane	73		"	50.0		146	48-152				
1,2-Dibromoethane	59		"	50.0		118	81-123				
1,2-Dichlorobenzene	59		"	50.0		118	81-117	High Bias			
1,2-Dichloroethane	55		"	50.0		111	67-129				
1,2-Dichloropropane	53		"	50.0		108	74-127				
1,3,5-Trimethylbenzene	57		"	50.0		114	81-120				
1,3-Dichlorobenzene	59		"	50.0		119	84-117	High Bias			
1,3-Dichloropropane	56		"	50.0		112	77-125				
1,4-Dichlorobenzene	60		"	50.0		120	85-118	High Bias			
1,4-Dioxane	1900		"	1000		187	31-190				
2,2-Dichloropropane	49		"	50.0		97.6	69-129				
2-Butanone	51		"	50.0		101	58-159				
2-Chlorotoluene	57		"	50.0		114	75-123				
4-Chlorotoluene	58		"	50.0		115	76-121				
Acetone	37		"	50.0		73.8	32-173				
Benzene	54		"	50.0		109	83-126				
Bromobenzene	58		"	50.0		115	70-130				
Bromochloromethane	53		"	50.0		106	73-128				
Bromodichloromethane	58		"	50.0		116	74-126				
Bromoform			"	50.0		131	63-137				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40441 - EPA 5035A											
LCS (BE40441-BS1)								Prepared: 05/07/2014 Analyzed: 05/08/2014			
Bromomethane	57		ug/L	50.0		114	24-144				
Carbon tetrachloride	57		"	50.0		115	68-132				
Chlorobenzene	57		"	50.0		114	87-115				
Chloroethane	48		"	50.0		95.7	39-146				
Chloroform	55		"	50.0		112	84-120				
Chloromethane	44		"	50.0		87.1	35-153				
cis-1,2-Dichloroethylene	56		"	50.0		114	86-121				
cis-1,3-Dichloropropylene	54		"	50.0		108	78-122				
Dibromochloromethane	61		"	50.0		121	41-149				
Dibromomethane	62		"	50.0		123	82-118	High Bias			
Dichlorodifluoromethane	57		"	50.0		113	52-143				
Ethyl Benzene	58		"	50.0		115	81-118				
Hexachlorobutadiene	61		"	50.0		121	70-133				
Isopropylbenzene	57		"	50.0		113	78-122				
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	62-140				
Methylene chloride	50		"	50.0		99.0	48-143				
Naphthalene	73		"	50.0		145	55-160				
n-Butylbenzene	59		"	50.0		117	71-142				
n-Propylbenzene	57		"	50.0		114	80-123				
o-Xylene	58		"	50.0		115	81-118				
p- & m- Xylenes	120		"	100		116	80-120				
p-Isopropyltoluene	57		"	50.0		115	83-126				
sec-Butylbenzene	57		"	50.0		114	84-123				
Styrene	58		"	50.0		116	85-115	High Bias			
tert-Butylbenzene	57		"	50.0		114	78-122				
Tetrachloroethylene	61		"	50.0		122	76-129				
Toluene	57		"	50.0		114	85-116				
trans-1,2-Dichloroethylene	47		"	50.0		93.2	66-136				
trans-1,3-Dichloropropylene	55		"	50.0		110	71-128				
Trichloroethylene	58		"	50.0		116	83-118				
Trichlorofluoromethane	59		"	50.0		119	54-141				
Vinyl Chloride	47		"	50.0		94.2	38-147				
Vinyl acetate	130		"	50.0		265	67-136	High Bias			
Surrogate: 1,2-Dichloroethane-d4	*51.5*		*"*	*50.0*		*103*	*67-130*				
Surrogate: p-Bromofluorobenzene	*49.7*		*"*	*50.0*		*99.4*	*75-127*				
Surrogate: Toluene-d8			*"*	*50.0*		*104*	*90-112*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40441 - EPA 5035A											
LCS Dup (BE40441-BSD1)								Prepared: 05/07/2014 Analyzed: 05/08/2014			
1,1,1,2-Tetrachloroethane	60		ug/L	50.0		119	72-126		1.17	30	
1,1,1-Trichloroethane	55		"	50.0		110	74-126		0.615	30	
1,1,2,2-Tetrachloroethane	58		"	50.0		116	72-133		7.38	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0		108	47-160		4.26	30	
1,1,2-Trichloroethane	57		"	50.0		114	81-124		1.15	30	
1,1-Dichloroethane	53		"	50.0		107	80-125		0.864	30	
1,1-Dichloroethylene	54		"	50.0		109	62-136		3.20	30	
1,1-Dichloropropylene	53		"	50.0		106	81-121		0.339	30	
1,2,3-Trichlorobenzene	64		"	50.0		128	63-154		5.63	30	
1,2,3-Trichloropropane	61		"	50.0		121	70-126		0.887	30	
1,2,4-Trichlorobenzene	64		"	50.0		127	61-158		5.77	30	
1,2,4-Trimethylbenzene	54		"	50.0		109	83-123		4.45	30	
1,2-Dibromo-3-chloropropane	68		"	50.0		136	48-152		6.94	30	
1,2-Dibromoethane	60		"	50.0		119	81-123		0.776	30	
1,2-Dichlorobenzene	56		"	50.0		112	81-117		5.87	30	
1,2-Dichloroethane	55		"	50.0		110	67-129		0.798	30	
1,2-Dichloropropane	54		"	50.0		108	74-127		0.167	30	
1,3,5-Trimethylbenzene	55		"	50.0		109	81-120		4.17	30	
1,3-Dichlorobenzene	56		"	50.0		111	84-117		6.67	30	
1,3-Dichloropropane	56		"	50.0		112	77-125		0.286	30	
1,4-Dichlorobenzene	56		"	50.0		112	85-118		7.32	30	
1,4-Dioxane	1800		"	1000		181	31-190		3.35	30	
2,2-Dichloropropane	49		"	50.0		98.2	69-129		0.572	30	
2-Butanone	53		"	50.0		105	58-159		3.87	30	
2-Chlorotoluene	56		"	50.0		112	75-123		2.53	30	
4-Chlorotoluene	56		"	50.0		111	76-121		3.47	30	
Acetone	37		"	50.0		74.3	32-173		0.594	30	
Benzene	54		"	50.0		107	83-126		1.88	30	
Bromobenzene	56		"	50.0		112	70-130		3.01	30	
Bromochloromethane	54		"	50.0		108	73-128		2.30	30	
Bromodichloromethane	57		"	50.0		115	74-126		1.11	30	
Bromoform	61		"	50.0		122	63-137		6.86	30	
Bromomethane	61		"	50.0		122	24-144		6.91	30	
Carbon tetrachloride	58		"	50.0		115	68-132		0.261	30	
Chlorobenzene	56		"	50.0		113	87-115		0.601	30	
Chloroethane	51		"	50.0		102	39-146		6.55	30	
Chloroform	56		"	50.0		113	84-120		0.409	30	
Chloromethane	46		"	50.0		91.4	35-153		4.84	30	
cis-1,2-Dichloroethylene	58		"	50.0		115	86-121		1.52	30	
cis-1,3-Dichloropropylene	54		"	50.0		109	78-122		0.387	30	
Dibromochloromethane	60		"	50.0		120	41-149		0.943	30	
Dibromomethane	61		"	50.0		122	82-118	High Bias	1.16	30	
Dichlorodifluoromethane	55		"	50.0		111	52-143		2.35	30	
Ethyl Benzene	57		"	50.0		114	81-118		0.907	30	
Hexachlorobutadiene	56		"	50.0		113	70-133		7.27	30	
Isopropylbenzene	56		"	50.0		111	78-122		1.89	30	
Methyl tert-butyl ether (MTBE)	66		"	50.0		133	62-140		26.3	30	
Methylene chloride	51		"	50.0		102	48-143		3.14	30	
Naphthalene	67		"	50.0		136	55-160		7.08	30	
n-Butylbenzene	56		"	50.0		111	71-142		5.24	30	
n-Propylbenzene	56		"	50.0		112	80-123		1.76	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40441 - EPA 5035A											
LCS Dup (BE40441-BSD1)								Prepared: 05/07/2014 Analyzed: 05/08/2014			
o-Xylene	56		ug/L	50.0		112	81-118		2.50	30	
p- & m- Xylenes	110		"	100		114	80-120		1.41	30	
p-Isopropyltoluene	54		"	50.0		108	83-126		5.75	30	
sec-Butylbenzene	54		"	50.0		108	84-123		5.41	30	
Styrene	58		"	50.0		116	85-115	High Bias	0.258	30	
tert-Butylbenzene	54		"	50.0		108	78-122		6.10	30	
Tetrachloroethylene	63		"	50.0		125	76-129		2.62	30	
Toluene	56		"	50.0		112	85-116		2.06	30	
trans-1,2-Dichloroethylene	71		"	50.0		141	66-136	High Bias	41.0	30	Non-dir.
trans-1,3-Dichloropropylene	56		"	50.0		112	71-128		1.04	30	
Trichloroethylene	57		"	50.0		114	83-118		1.53	30	
Trichlorofluoromethane	61		"	50.0		122	54-141		2.60	30	
Vinyl Chloride	49		"	50.0		98.3	38-147		4.30	30	
Vinyl acetate	130		"	50.0		263	67-136	High Bias	0.560	30	
Surrogate: 1,2-Dichloroethane-d4	*51.9*		*"*	*50.0*		*104*	*67-130*				
Surrogate: p-Bromofluorobenzene	*49.7*		*"*	*50.0*		*99.3*	*75-127*				
Surrogate: Toluene-d8	*51.8*		*"*	*50.0*		*104*	*90-112*				
Batch BE40487 - EPA 5030B											
Blank (BE40487-BLK1)								Prepared & Analyzed: 05/08/2014			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.81	0.50	"								
1,2,3-Trichloropropane 1,2,4,5-	ND	0.50	"								
Tetramethylbenzene	0.46	0.50	"								
1,2,4-Trichlorobenzene	0.65	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	0.25	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	0.25	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40487 - EPA 5030B											
Blank (BE40487-BLK1)											
Prepared & Analyzed: 05/08/2014											
Bromochloromethane	ND	0.50	ug/L								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	0.57	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Diethylbenzene	ND	0.50	"								
p-Ethyltoluene	ND	0.50	"								
p-Isopropyltoluene	0.21	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*101*	*81-123*				
Surrogate: p-Bromofluorobenzene	*9.46*		*"*	*10.0*		*94.6*	*70-128*				
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*88-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40487 - EPA 5030B											
Blank (BE40487-BLK2)											
Prepared & Analyzed: 05/08/2014											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.29	0.50	"								
1,2,3-Trichloropropane 1,2,4,5-	ND	0.50	"								
Tetramethylbenzene	ND	0.50	"								
1,2,4-Trichlorobenzene	0.28	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	0.63	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	0.23	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40487 - EPA 5030B											
Blank (BE40487-BLK2)								Prepared & Analyzed: 05/08/2014			
Naphthalene	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Diethylbenzene	ND	0.50	"								
p-Ethyltoluene	ND	0.50	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*81-123*				
Surrogate: p-Bromofluorobenzene	*9.19*		*"*	*10.0*		*91.9*	*70-128*				
Surrogate: Toluene-d8			*"*	*10.0*		*100*	*88-114*				
LCS (BE40487-BS1)								Prepared & Analyzed: 05/08/2014			
1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	85-118				
1,1,1-Trichloroethane	11.8		"	10.0		118	74-128				
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	**12.5**		"	10.0		125	51-157				
1,1,2-Trichloroethane	11.5		"	10.0		115	80-122				
1,1-Dichloroethane	11.6		"	10.0		116	70-131				
1,1-Dichloroethylene	11.4		"	10.0		114	60-143				
1,1-Dichloropropylene	11.7		"	10.0		117	78-122				
1,2,3-Trichlorobenzene	10.0		"	10.0		100	68-140				
1,2,3-Trichloropropane 1,2,4,5-	9.67		"	10.0		96.7	77-125				
Tetramethylbenzene	10.3		"	10.0		103	83-125				
1,2,4-Trichlorobenzene	10.0		"	10.0		100	65-143				
1,2,4-Trimethylbenzene	10.6		"	10.0		106	83-121				
1,2-Dibromo-3-chloropropane	7.90		"	10.0		79.0	60-146				
1,2-Dibromoethane	11.1		"	10.0		111	82-122				
1,2-Dichlorobenzene	11.0		"	10.0		110	85-115				
1,2-Dichloroethane	11.3		"	10.0		113	72-126				
1,2-Dichloropropane	11.4		"	10.0		114	78-119				
1,3,5-Trimethylbenzene	10.5		"	10.0		105	84-118				
1,3-Dichlorobenzene	10.5		"	10.0		105	83-117				
1,3-Dichloropropane	11.0		"	10.0		110	79-121				
1,4-Dichlorobenzene	10.8		"	10.0		108	83-118				
2,2-Dichloropropane	13.4		"	10.0		134	60-135				
2-Butanone	10.7		"	10.0		107	48-156				
2-Chlorotoluene	10.1		"	10.0		101	81-118				
2-Hexanone	10.7		"	10.0		107	50-151				
4-Chlorotoluene	10.5		"	10.0		105	81-117				
4-Methyl-2-pentanone	10.9		"	10.0		109	55-147				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40487 - EPA 5030B											
LCS (BE40487-BS1)								Prepared & Analyzed: 05/08/2014			
Acetone	6.67		ug/L	10.0		66.7	21-172				
Benzene	11.7		"	10.0		117	82-120				
Bromobenzene	8.72		"	10.0		87.2	82-119				
Bromochloromethane	10.9		"	10.0		109	69-125				
Bromodichloromethane	11.2		"	10.0		112	84-117				
Bromoform	10.8		"	10.0		108	77-130				
Bromomethane	10.7		"	10.0		107	16-162				
Carbon disulfide	11.6		"	20.0		58.1	21-78				
Carbon tetrachloride	12.4		"	10.0		124	72-132				
Chlorobenzene	11.0		"	10.0		110	88-112				
Chloroethane	10.8		"	10.0		108	29-172				
Chloroform	11.9		"	10.0		119	77-124				
Chloromethane	10.5		"	10.0		105	37-131				
cis-1,2-Dichloroethylene	11.7		"	10.0		117	77-124				
cis-1,3-Dichloropropylene	11.4		"	10.0		114	81-117				
Dibromochloromethane	11.4		"	10.0		114	72-131				
Dibromomethane	10.8		"	10.0		108	85-116				
Dichlorodifluoromethane	10.2		"	10.0		102	47-152				
Ethyl Benzene	11.2		"	10.0		112	86-114				
Hexachlorobutadiene	10.5		"	10.0		105	68-139				
Isopropylbenzene	10.1		"	10.0		102	84-118				
Methyl tert-butyl ether (MTBE)	11.9		"	10.0		119	49-156				
Methylene chloride	11.3		"	10.0		113	51-145				
Naphthalene	9.54		"	10.0		95.4	67-141				
n-Butylbenzene	11.0		"	10.0		110	76-125				
n-Propylbenzene	10.4		"	10.0		104	84-118				
o-Xylene	10.9		"	10.0		109	85-114				
p- & m- Xylenes	23.7		"	20.0		118	84-117	High Bias			
p-Diethylbenzene	10.8		"	10.0		108	79-127				
p-Ethyltoluene	10.5		"	10.0		105	84-119				
p-Isopropyltoluene	11.1		"	10.0		111	84-121				
sec-Butylbenzene	10.9		"	10.0		109	85-119				
Styrene	10.9		"	10.0		109	77-126				
tert-Butylbenzene	10.6		"	10.0		106	83-119				
Tetrachloroethylene	11.2		"	10.0		112	75-129				
Toluene	11.3		"	10.0		113	86-113				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	55-148				
trans-1,3-Dichloropropylene	11.4		"	10.0		114	77-120				
Trichloroethylene	11.6		"	10.0		116	85-115	High Bias			
Trichlorofluoromethane	11.7		"	10.0		117	69-131				
Vinyl Chloride	10.8		"	10.0		108	44-152				
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*81-123*				
Surrogate: p-Bromofluorobenzene	*8.37*		*"*	*10.0*		*83.7*	*70-128*				
Surrogate: Toluene-d8	*9.99*		*"*	*10.0*		*99.9*	*88-114*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40487 - EPA 5030B											
LCS Dup (BE40487-BSD1)								Prepared & Analyzed: 05/08/2014			
1,1,1,2-Tetrachloroethane	11.6		ug/L	10.0		116	85-118		4.59	30	
1,1,1-Trichloroethane	11.7		"	10.0		117	74-128		0.769	30	
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	71-130		0.399	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.0		"	10.0		120	51-157		4.58	30	
1,1,2-Trichloroethane	11.0		"	10.0		110	80-122		4.70	30	
1,1-Dichloroethane	11.8		"	10.0		118	70-131		1.28	30	
1,1-Dichloroethylene	11.4		"	10.0		114	60-143		0.176	30	
1,1-Dichloropropylene	11.5		"	10.0		115	78-122		1.64	30	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	68-140		1.98	30	
1,2,3-Trichloropropane 1,2,4,5-	9.86		"	10.0		98.6	77-125		1.95	30	
Tetramethylbenzene	10.7		"	10.0		107	83-125		3.90	30	
1,2,4-Trichlorobenzene	10.3		"	10.0		103	65-143		2.56	30	
1,2,4-Trimethylbenzene	11.1		"	10.0		111	83-121		4.79	30	
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	60-146		24.3	30	
1,2-Dibromoethane	10.9		"	10.0		109	82-122		1.90	30	
1,2-Dichlorobenzene	11.3		"	10.0		113	85-115		2.78	30	
1,2-Dichloroethane	11.1		"	10.0		111	72-126		1.60	30	
1,2-Dichloropropane	11.8		"	10.0		118	78-119		3.55	30	
1,3,5-Trimethylbenzene	11.0		"	10.0		110	84-118		4.94	30	
1,3-Dichlorobenzene	11.0		"	10.0		110	83-117		4.83	30	
1,3-Dichloropropane	10.8		"	10.0		108	79-121		2.01	30	
1,4-Dichlorobenzene	11.2		"	10.0		112	83-118		3.81	30	
2,2-Dichloropropane	13.2		"	10.0		132	60-135		1.65	30	
2-Butanone	11.8		"	10.0		118	48-156		10.2	30	
2-Chlorotoluene	10.6		"	10.0		106	81-118		5.60	30	
2-Hexanone	9.37		"	10.0		93.7	50-151		13.3	30	
4-Chlorotoluene	11.3		"	10.0		113	81-117		6.97	30	
4-Methyl-2-pentanone	10.6		"	10.0		106	55-147		2.61	30	
Acetone	5.74		"	10.0		57.4	21-172		15.0	30	
Benzene	11.8		"	10.0		118	82-120		1.02	30	
Bromobenzene	9.23		"	10.0		92.3	82-119		5.68	30	
Bromochloromethane	11.3		"	10.0		113	69-125		3.06	30	
Bromodichloromethane	11.6		"	10.0		116	84-117		3.50	30	
Bromoform	11.6		"	10.0		116	77-130		7.34	30	
Bromomethane	11.0		"	10.0		110	16-162		2.21	30	
Carbon disulfide	11.5		"	20.0		57.3	21-78		1.39	30	
Carbon tetrachloride	12.2		"	10.0		122	72-132		1.79	30	
Chlorobenzene	11.4		"	10.0		114	88-112	High Bias	3.47	30	
Chloroethane	11.2		"	10.0		112	29-172		3.64	30	
Chloroform	12.0		"	10.0		120	77-124		1.25	30	
Chloromethane	10.1		"	10.0		101	37-131		4.56	30	
cis-1,2-Dichloroethylene	11.7		"	10.0		117	77-124		0.257	30	
cis-1,3-Dichloropropylene	11.4		"	10.0		114	81-117		0.00	30	
Dibromochloromethane	11.5		"	10.0		115	72-131		0.612	30	
Dibromomethane	11.1		"	10.0		111	85-116		3.11	30	
Dichlorodifluoromethane	10.0		"	10.0		101	47-152		1.28	30	
Ethyl Benzene	11.5		"	10.0		115	86-114	High Bias	2.74	30	
Hexachlorobutadiene	10.7		"	10.0		107	68-139		2.07	30	
Isopropylbenzene	10.8		"	10.0		108	84-118		6.38	30	
Methyl tert-butyl ether (MTBE)	11.4		"	10.0		114	49-156		3.77	30	
Methylene chloride	11.4		"	10.0		114	51-145		1.67	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40487 - EPA 5030B											
LCS Dup (BE40487-BSD1)								Prepared & Analyzed: 05/08/2014			
Naphthalene	9.83		ug/L	10.0		98.3	67-141		2.99	30	
n-Butylbenzene	11.4		"	10.0		114	76-125		3.13	30	
n-Propylbenzene	11.0		"	10.0		110	84-118		5.15	30	
o-Xylene	11.7		"	10.0		117	85-114	High Bias	7.25	30	
p- & m- Xylenes	25.7		"	20.0		128	84-117	High Bias	7.98	30	
p-Diethylbenzene	11.3		"	10.0		113	79-127		4.79	30	
p-Ethyltoluene	11.0		"	10.0		110	84-119		4.94	30	
p-Isopropyltoluene	11.5		"	10.0		115	84-121		3.90	30	
sec-Butylbenzene	11.4		"	10.0		114	85-119		4.32	30	
Styrene	11.7		"	10.0		117	77-126		7.25	30	
tert-Butylbenzene	11.1		"	10.0		111	83-119		4.88	30	
Tetrachloroethylene	11.7		"	10.0		117	75-129		4.53	30	
Toluene	11.3		"	10.0		113	86-113		0.177	30	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	55-148		1.32	30	
trans-1,3-Dichloropropylene	10.7		"	10.0		107	77-120		6.05	30	
Trichloroethylene	12.0		"	10.0		120	85-115	High Bias	3.48	30	
Trichlorofluoromethane	11.8		"	10.0		118	69-131		0.511	30	
Vinyl Chloride			"	10.0		105	44-152		2.99	30	
Surrogate: 1,2-Dichloroethane-d4	*9.74*		*"*	*10.0*		*97.4*	*81-123*				
Surrogate: p-Bromofluorobenzene	*8.68*		*"*	*10.0*		*86.8*	*70-128*				
Surrogate: Toluene-d8	*9.70*		*"*	*10.0*		*97.0*	*88-114*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

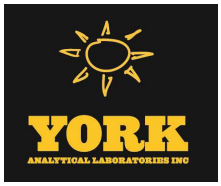
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40389 - EPA 3510C											
Blank (BE40389-BLK1)											
Prepared: 05/07/2014 Analyzed: 05/08/2014											
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene Benzo	ND	0.0500	"								
(k)fluoranthene Benzyl butyl	ND	0.0500	"								
phthalate	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
Carbazole	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Di-n-butyl phthalate 1,4-	ND	5.00	"								
Dichlorobenzene 1,2-	ND	5.00	"								
Dichlorobenzene 1,3-	ND	5.00	"								
Dichlorobenzene 3,3'-	ND	5.00	"								
Dichlorobenzidine Diethyl	ND	5.00	"								
phthalate Dimethyl	ND	5.00	"								
phthalate	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane Indeno	ND	0.500	"								
(1,2,3-cd)pyrene Isophorone	ND	0.0500	"								
2-Methylnaphthalene	ND	5.00	"								
Naphthalene	ND	5.00	"								
3-Nitroaniline	ND	0.0500	"								
4-Nitroaniline	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
Nitrobenzene	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	0.250	"								
N-Nitrosodimethylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	0.500	"								
Phenanthrene	ND	5.00	"								
Pyrene	ND	0.0500	"								
	ND	0.0500	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40389 - EPA 3510C											
Blank (BE40389-BLK1)											Prepared: 05/07/2014 Analyzed: 05/08/2014
Pyridine	ND	5.00	ug/L								
1,2,4-Trichlorobenzene	ND	5.00	"								
Surrogate: Nitrobenzene-d5	*40.3*		*"*	*51.4*		*78.3*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*38.6*		*"*	*50.0*		*77.2*	*10-108*				
Surrogate: Terphenyl-d14	*53.4*		*"*	*50.2*		*106*	*10-143*				
LCS (BE40389-BS1)											Prepared: 05/07/2014 Analyzed: 05/08/2014
Acenaphthene	46.3	0.0500	ug/L	50.0		92.6	24-114				
Acenaphthylene	45.1	0.0500	"	50.0		90.2	26-112				
Aniline	16.6	5.00	"	50.0		33.2	10-107				
Anthracene	45.4	0.0500	"	50.0		90.8	35-114				
Benzo(a)anthracene	38.0	0.0500	"	50.0		76.1	38-127				
Benzo(a)pyrene Benzo(b)	47.8	0.0500	"	50.0		95.7	30-146				
fluoranthene	40.8	0.0500	"	50.0		81.6	36-145				
Benzo(g,h,i)perylene	36.0	0.0500	"	50.0		71.9	10-163				
Benzo(k)fluoranthene	48.4	0.0500	"	50.0		96.7	16-149				
Benzyl butyl phthalate	35.6	5.00	"	50.0		71.3	28-129				
4-Bromophenyl phenyl ether	44.8	5.00	"	50.0		89.6	38-116				
Carbazole	43.1	5.00	"	50.0		86.3	49-116				
4-Chloroaniline	26.5	5.00	"	50.0		53.0	10-154				
Bis(2-chloroethoxy)methane	46.6	5.00	"	50.0		93.2	27-112				
Bis(2-chloroethyl)ether	35.2	5.00	"	50.0		70.4	24-114				
Bis(2-chloroisopropyl)ether	42.9	5.00	"	50.0		85.8	21-124				
2-Chloronaphthalene	38.9	5.00	"	50.0		77.8	40-96				
4-Chlorophenyl phenyl ether	45.3	5.00	"	50.0		90.7	34-112				
Chrysene	32.2	0.0500	"	50.0		64.3	33-120				
Dibenzo(a,h)anthracene	42.1	0.0500	"	50.0		84.1	10-149				
Dibenzofuran	41.8	5.00	"	50.0		83.6	42-105				
Di-n-butyl phthalate 1,4-	50.2	5.00	"	50.0		100	36-110				
Dichlorobenzene 1,2-	33.6	5.00	"	50.0		67.2	42-82				
Dichlorobenzene 1,3-	39.7	5.00	"	50.0		79.3	42-85				
Dichlorobenzene 3,3'-	33.3	5.00	"	50.0		66.6	45-80				
Dichlorobenzidine Diethyl	44.1	5.00	"	50.0		88.1	25-155				
phthalate Dimethyl	49.4	5.00	"	50.0		98.9	38-112				
phthalate	43.4	5.00	"	50.0		86.7	49-106				
2,4-Dinitrotoluene	42.4	5.00	"	50.0		84.8	41-114				
2,6-Dinitrotoluene Di-n-	45.9	5.00	"	50.0		91.8	49-106				
octyl phthalate	48.6	5.00	"	50.0		97.3	12-149				
Bis(2-ethylhexyl)phthalate	38.5	0.500	"	50.0		76.9	10-171				
Fluoranthene	45.2	0.0500	"	50.0		90.3	33-126				
Fluorene	48.2	0.0500	"	50.0		96.4	28-117				
Hexachlorobenzene	56.7	0.0200	"	50.0		113	27-120				
Hexachlorobutadiene	48.4	0.500	"	50.0		96.7	25-106				
Hexachlorocyclopentadiene	10.7	5.00	"	50.0		21.4	10-99				
Hexachloroethane Indeno	39.8	0.500	"	50.0		79.6	33-84				
(1,2,3-cd)pyrene Isophorone	42.5	0.0500	"	50.0		85.0	10-150				
2-Methylnaphthalene	51.2	5.00	"	50.0		102	29-115				
Naphthalene	47.5	5.00	"	50.0		95.1	33-101				
3-Nitroaniline	43.7	0.0500	"	50.0		87.3	30-99				
4-Nitroaniline	29.3	5.00	"	50.0		58.6	29-128				
2-Nitroaniline	37.6	5.00	"	50.0		75.3	15-143				
	36.3	5.00	"	50.0		72.6	31-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

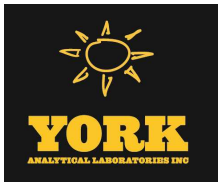
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40389 - EPA 3510C											
LCS (BE40389-BS1)								Prepared: 05/07/2014 Analyzed: 05/08/2014			
Nitrobenzene	50.6	0.250	ug/L	50.0		101	32-113				
N-nitroso-di-n-propylamine	38.4	5.00	"	50.0		76.8	36-118				
N-Nitrosodimethylamine	12.9	0.500	"	50.0		25.9	10-63				
N-Nitrosodiphenylamine	52.0	5.00	"	50.0		104	27-145				
Phenanthrene	42.4	0.0500	"	50.0		88.8	31-112				
Pyrene	32.7	0.0500	"	50.0		65.5	42-125				
Pyridine	4.04	5.00	"	50.0		8.08	10-46	Low Bias			
1,2,4-Trichlorobenzene	41.9	5.00	"	50.0		83.8	35-91				
Surrogate: Nitrobenzene-d5	*50.8*		*"*	*51.4*		*98.7*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*47.5*		*"*	*50.0*		*94.9*	*10-108*				
Surrogate: Terphenyl-d14	*36.4*		*"*	*50.2*		*72.5*	*10-143*				
Batch BE40397 - EPA 3545A											
Blank (BE40397-BLK1)								Prepared: 05/07/2014 Analyzed: 05/08/2014			
Acenaphthene	ND	250	ug/kg wet								
Acenaphthylene	ND	250	"								
Aniline	ND	250	"								
Anthracene	ND	250	"								
Benzo(a)anthracene	ND	250	"								
Benzo(a)pyrene	ND	250	"								
Benzo(b)fluoranthene	ND	250	"								
Benzo(g,h,i)perylene Benzo	ND	250	"								
(k)fluoranthene Benzyl butyl	ND	250	"								
phthalate	ND	250	"								
4-Bromophenyl phenyl ether	ND	250	"								
Carbazole	ND	250	"								
4-Chloroaniline	ND	250	"								
Bis(2-chloroethoxy)methane	ND	250	"								
Bis(2-chloroethyl)ether	ND	250	"								
Bis(2-chloroisopropyl)ether	ND	250	"								
2-Chloronaphthalene	ND	250	"								
4-Chlorophenyl phenyl ether	ND	250	"								
Chrysene	ND	250	"								
Dibenzo(a,h)anthracene	ND	250	"								
Dibenzofuran	ND	250	"								
Di-n-butyl phthalate 1,2-	ND	250	"								
Dichlorobenzene 1,3-	ND	250	"								
Dichlorobenzene 1,4-	ND	250	"								
Dichlorobenzene 3,3'-	ND	250	"								
Dichlorobenzidine Diethyl	ND	500	"								
phthalate Dimethyl	ND	250	"								
phthalate	ND	250	"								
2,4-Dinitrotoluene	ND	250	"								
2,6-Dinitrotoluene	ND	250	"								
Di-n-octyl phthalate	ND	250	"								
Bis(2-ethylhexyl)phthalate	ND	250	"								
Fluoranthene	ND	250	"								
Fluorene	ND	250	"								
Hexachlorobenzene	ND	250	"								
Hexachlorobutadiene	ND	250	"								
Hexachlorocyclopentadiene	ND	250	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40397 - EPA 3545A											
Blank (BE40397-BLK1)											Prepared: 05/07/2014 Analyzed: 05/08/2014
Hexachloroethane Indeno	ND	250	ug/kg wet								
(1,2,3-cd)pyrene Isophorone	ND	250	"								
2-Methylnaphthalene	ND	250	"								
Naphthalene	ND	250	"								
4-Nitroaniline	ND	250	"								
3-Nitroaniline	ND	250	"								
Nitrobenzene	ND	250	"								
N-nitroso-di-n-propylamine	ND	250	"								
N-Nitrosodimethylamine	ND	250	"								
N-Nitrosodiphenylamine	ND	250	"								
Phenanthrene	ND	250	"								
Pyrene	ND	250	"								
Pyridine	ND	250	"								
1,2,4-Trichlorobenzene	ND	250	"								
	ND	250	"								
Surrogate: Nitrobenzene-d5	*1420*		*"*	*2570*		*55.2*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*1350*		*"*	*2500*		*53.8*	*10-126*				
Surrogate: Terphenyl-d14	*1690*		*"*	*2510*		*67.2*	*10-137*				
LCS (BE40397-BS1)											Prepared: 05/07/2014 Analyzed: 05/08/2014
Acenaphthene	1630	250	ug/kg wet	2500		65.1	17-124				
Acenaphthylene	1530	250	"	2500		61.2	16-124				
Aniline	1260	250	"	2500		50.5	10-111				
Anthracene	1560	250	"	2500		62.4	24-124				
Benzo(a)anthracene	1900	250	"	2500		75.8	25-134				
Benzo(a)pyrene Benzo(b)	1790	250	"	2500		71.5	29-144				
fluoranthene	1960	250	"	2500		78.6	20-151				
Benzo(g,h,i)perylene	1040	250	"	2500		41.8	10-153				
Benzo(k)fluoranthene	1750	250	"	2500		69.9	10-148				
Benzyl butyl phthalate	2020	250	"	2500		80.8	10-132				
4-Bromophenyl phenyl ether	1580	250	"	2500		63.2	30-138				
Carbazole	1660	250	"	2500		66.3	31-120				
4-Chloroaniline	971	250	"	2500		38.8	10-117				
Bis(2-chloroethoxy)methane	1450	250	"	2500		57.9	10-129				
Bis(2-chloroethyl)ether	1580	250	"	2500		63.0	14-125				
Bis(2-chloroisopropyl)ether	1730	250	"	2500		69.2	14-122				
2-Chloronaphthalene	1600	250	"	2500		63.8	22-115				
4-Chlorophenyl phenyl ether	1550	250	"	2500		61.9	18-132				
Chrysene	1820	250	"	2500		72.8	24-116				
Dibenzo(a,h)anthracene	1060	250	"	2500		42.3	17-147				
Dibenzofuran	1640	250	"	2500		65.5	23-123				
Di-n-butyl phthalate 1,2-	1540	250	"	2500		61.7	19-123				
Dichlorobenzene 1,3-	1440	250	"	2500		57.4	26-113				
Dichlorobenzene 1,4-	1420	250	"	2500		56.7	32-113				
Dichlorobenzene 3,3'-	1380	250	"	2500		55.2	28-111				
Dichlorobenzidine Diethyl	1970	500	"	2500		78.7	10-147				
phthalate Dimethyl	1760	250	"	2500		70.4	23-122				
phthalate	1740	250	"	2500		69.6	28-127				
2,4-Dinitrotoluene	1800	250	"	2500		72.1	30-123				
2,6-Dinitrotoluene Di-n-	1670	250	"	2500		66.9	30-125				
octyl phthalate	2370	250	"	2500		94.8	10-132				
Bis(2-ethylhexyl)phthalate	1750	250	"	2500		70.0	10-141				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40397 - EPA 3545A											
LCS (BE40397-BS1)								Prepared: 05/07/2014 Analyzed: 05/08/2014			
Fluoranthene	1650	250	ug/kg wet	2500		65.9	36-125				
Fluorene	1560	250	"	2500		62.5	16-130				
Hexachlorobenzene	1640	250	"	2500		65.5	10-129				
Hexachlorobutadiene	1470	250	"	2500		58.9	22-153				
Hexachlorocyclopentadiene	1310	250	"	2500		52.2	10-134				
Hexachloroethane Indeno	1430	250	"	2500		57.3	20-112				
(1,2,3-cd)pyrene Isophorone	1080	250	"	2500		43.2	10-155				
2-Methylnaphthalene	1480	250	"	2500		59.3	14-131				
Naphthalene	1400	250	"	2500		56.0	16-127				
4-Nitroaniline	1350	250	"	2500		53.9	20-121				
3-Nitroaniline	1630	250	"	2500		65.1	14-125				
Nitrobenzene	1450	250	"	2500		57.8	23-123				
N-nitroso-di-n-propylamine	1460	250	"	2500		58.3	20-121				
N-Nitrosodimethylamine	1650	250	"	2500		66.0	21-119				
N-Nitrosodiphenylamine	1720	250	"	2500		68.7	10-124				
Phenanthrene	1750	250	"	2500		69.8	10-163				
Pyrene	1630	250	"	2500		65.4	24-123				
Pyridine	2050	250	"	2500		82.0	24-132				
1,2,4-Trichlorobenzene	1200	250	"	2500		48.0	10-92				
	1310	250	"	2500		52.4	23-130				
Surrogate: Nitrobenzene-d5	*1550*		*"*	*2570*		*60.3*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*1540*		*"*	*2500*		*61.5*	*10-126*				
Surrogate: Terphenyl-d14	*2090*		*"*	*2510*		*83.2*	*10-137*				
LCS Dup (BE40397-BSD1)								Prepared: 05/07/2014 Analyzed: 05/08/2014			
Acenaphthene	1550	250	ug/kg wet	2500		61.9	17-124		5.10	30	
Acenaphthylene	1440	250	"	2500		57.6	16-124		6.10	30	
Aniline	1170	250	"	2500		46.7	10-111		7.65	30	
Anthracene	1460	250	"	2500		58.5	24-124		6.55	30	
Benzo(a)anthracene	1720	250	"	2500		68.8	25-134		9.65	30	
Benzo(a)pyrene Benzo(b)	1640	250	"	2500		65.5	29-144		8.75	30	
fluoranthene	1760	250	"	2500		70.3	20-151		11.1	30	
Benzo(g,h,i)perylene	956	250	"	2500		38.3	10-153		8.75	30	
Benzo(k)fluoranthene	1690	250	"	2500		67.5	10-148		3.55	30	
Benzyl butyl phthalate	1800	250	"	2500		72.0	10-132		11.5	30	
4-Bromophenyl phenyl ether	1470	250	"	2500		58.9	30-138		6.98	30	
Carbazole	1520	250	"	2500		60.8	31-120		8.53	30	
4-Chloroaniline	989	250	"	2500		39.6	10-117		1.84	30	
Bis(2-chloroethoxy)methane	1310	250	"	2500		52.5	10-129		9.82	30	
Bis(2-chloroethyl)ether	1400	250	"	2500		55.9	14-125		11.9	30	
Bis(2-chloroisopropyl)ether	1640	250	"	2500		65.6	14-122		5.31	30	
2-Chloronaphthalene	1470	250	"	2500		58.8	22-115		8.29	30	
4-Chlorophenyl phenyl ether	1480	250	"	2500		59.4	18-132		4.22	30	
Chrysene	1660	250	"	2500		66.3	24-116		9.29	30	
Dibenzo(a,h)anthracene	948	250	"	2500		37.9	17-147		10.9	30	
Dibenzofuran	1540	250	"	2500		61.7	23-123		5.91	30	
Di-n-butyl phthalate 1,2-	1450	250	"	2500		57.9	19-123		6.35	30	
Dichlorobenzene 1,3-	1300	250	"	2500		52.0	26-113		9.94	30	
Dichlorobenzene 1,4-	1280	250	"	2500		51.1	32-113		10.4	30	
Dichlorobenzene 3,3'-	1240	250	"	2500		49.8	28-111		10.4	30	
Dichlorobenzidine Diethyl	1890	500	"	2500		75.7	10-147		3.91	30	
phthalate	1660	250	"	2500		66.4	23-122		5.93	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE40397 - EPA 3545A											
LCS Dup (BE40397-BSD1)									Prepared: 05/07/2014 Analyzed: 05/08/2014		
Dimethyl phthalate	1620	250	ug/kg wet	2500		64.6	28-127		7.36	30	
2,4-Dinitrotoluene	1710	250	"	2500		68.3	30-123		5.44	30	
2,6-Dinitrotoluene	1580	250	"	2500		63.1	30-125		5.82	30	
Di-n-octyl phthalate	2290	250	"	2500		91.4	10-132		3.67	30	
Bis(2-ethylhexyl)phthalate	1600	250	"	2500		64.1	10-141		8.83	30	
Fluoranthene	1520	250	"	2500		60.7	36-125		8.21	30	
Fluorene	1490	250	"	2500		59.5	16-130		4.95	30	
Hexachlorobenzene	1510	250	"	2500		60.4	10-129		8.10	30	
Hexachlorobutadiene	1320	250	"	2500		52.9	22-153		10.8	30	
Hexachlorocyclopentadiene	1050	250	"	2500		42.0	10-134		21.8	30	
Hexachloroethane Indeno	1310	250	"	2500		52.3	20-112		9.02	30	
(1,2,3-cd)pyrene Isophorone	974	250	"	2500		39.0	10-155		10.4	30	
2-Methylnaphthalene	1350	250	"	2500		54.2	14-131		9.13	30	
Naphthalene	1300	250	"	2500		52.0	16-127		7.40	30	
4-Nitroaniline	1250	250	"	2500		50.0	20-121		7.55	30	
3-Nitroaniline	1580	250	"	2500		63.1	14-125		3.12	30	
Nitrobenzene	1420	250	"	2500		56.8	23-123		1.78	30	
N-nitroso-di-n-propylamine	1350	250	"	2500		53.9	20-121		7.81	30	
N-Nitrosodimethylamine	1490	250	"	2500		59.6	21-119		10.2	30	
N-Nitrosodiphenylamine	1680	250	"	2500		67.2	10-124		2.15	30	
Phenanthrene	1660	250	"	2500		66.3	10-163		5.23	30	
Pyrene	1520	250	"	2500		60.9	24-123		7.06	30	
Pyridine	1840	250	"	2500		73.6	24-132		10.7	30	
1,2,4-Trichlorobenzene	1060	250	"	2500		42.2	10-92		12.7	30	
	1190	250	"	2500		47.6	23-130		9.64	30	
Surrogate: Nitrobenzene-d5	*1460*		*"*	*2570*		*56.7*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*1490*		*"*	*2500*		*59.7*	*10-126*				
Surrogate: Terphenyl-d14	*1890*		*"*	*2510*		*75.2*	*10-137*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14E0258-01	SP-6 0-2 ft	40mL Vial with Stir Bar-Cool 4° C
14E0258-02	SP-6 6-8 ft	40mL Vial with Stir Bar-Cool 4° C
14E0258-03	MW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

VOA-CONTNON-COMPLIANT- the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A or NYSDOH ELAP. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A.

QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

EXT-EM The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.

CCV-E The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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* Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.

ND NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

LOQ LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.

LOD LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.

MDL METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.

Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

Corrective Action: Client supplied two (2) VOA vials with DI/SB and no MeOH voa for each of the soil samples. - 5/7/14

YORK
ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 14E0258

YOUR Information	**Report to:**	**Invoice To:**	**Your Project ID**	**Turn-Around Time**
Company: Hydro Tech Env. Corp.	SAME [x]	SAME [ ]	#140078 100 Union Ave Brooklyn NY	RUSH-Same Day
Address: 15 Ocean Ave. 2nd Fl	Name:	Name: Muslima		RUSH-Next Day X
Bklyn , NY 11225	Company:	Company: Hydro Tech Env. Corp.	**Purchase Order #**	RUSH-Two Day
Phone.: 718-636-0800	Address:	Address: 77 Arkay Dr. Suite G		RUSH-Three Day
Contact: Paul I. Matli		Hauppauge Ny	5079	~~RUSH~~-Four Day
E-mail: pmatli...hydrotechenvironmental.com	E-mail:	E-mail mward...hydrotechenvironmental.c	Samples from CT__NY__NJ__	Standard (5-7day)

Report/Deliverable Type	
Summary Report	x
QA Report	X
CT RCP	
CT RCP DQA/DUE Pkg	
NY ASP A Package	
NY ASP B Package	
NJDEP Reduced Deliv	
Excel	x
NYSDEC EQuIS	X
NJDEP SRP HazSite	
EQuIS	
GIS/KEY (std)	

YORK Regulatory Comp Excel *compared to:*

See Comment below

OTHER:

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Paul I. Matli

Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	**Date+Time Sampled**	**Matrix**	**Analysis Requested** (List above includes common analysis)	**Container Description**
SP-6 0-2 ft	5/7/2014	S	EPA 8260/8270BN	4 terra core vials + 8 oz jar
SP-6 6-8 ft	X	X	X	X
MW-4	X	GW	X	3x 40-ml terra core vials + 1x1-L Amber

Comments:

x = same as before

NYSDEC Part 375 Unrestricted and Restricted Residential

Soil sample for VOCs collected per EPA 5053/Total VOC and SVOC lists

Preservation (check all applicable): °C____ Frozen____ HCl____ MeOH____ HNO_3____ H_2SO_4____ NaOH____ ZnAc____ Ascorbic Acid____ Other____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Paloma 5.7.14 — Samples Relinquished By — Date/Time

Samples Relinquished By — Date/Time

5/7/14 12:30 — Samples Received By — Date/Time

E. Schreck 5/7/14 — Samples Received in LAB by — Date/Time (1450)

Temperature on Receipt 3.9 °C

APPENDIX-J
LABORATORY DATA DELIVERABLES FOR SOIL VAPOR ANALYTICAL DATA

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Report Date: 04/28/2014
Client Project ID: 140078 100 Union Avenue Brooklyn, NY
York Project (SDG) No.: 14D0879

Report Date: 04/28/2014
Client Project ID: 140078 100 Union Avenue Brooklyn, NY
York Project (SDG) No.: 14D0879

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 22, 2014 and listed below. The project was identified as your project: **140078 100 Union Avenue Brooklyn, NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14D0879-01	SV-1/#11	Soil Vapor	04/21/2014	04/22/2014
14D0879-02	SV-2/Y61	Soil Vapor	04/21/2014	04/22/2014
14D0879-03	SV-3/S23	Soil Vapor	04/21/2014	04/22/2014
14D0879-04	SV-4/S18	Soil Vapor	04/21/2014	04/22/2014
14D0879-05	AO-1/S02	Outdoor Ambient Air	04/21/2014	04/22/2014

General Notes for York Project (SDG) No.: 14D0879

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 04/28/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SV-1/#11** **York Sample ID:** **14D0879-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0879	140078 100 Union Avenue Brooklyn, NY	Soil Vapor	April 21, 2014 3:00 pm	04/22/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.26	0.26	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.36	0.36	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
79-01-6	**Trichloroethylene** trans-1,3-	**47**		ug/m³	0.14	0.14	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
10061-02-6	Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
108-88-3	**Toluene**	**61**		ug/m³	0.38	0.38	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.30	0.30	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
127-18-4	**Tetrachloroethylene**	**920**		ug/m³	25	25	36	EPA TO-15	04/24/2014 08:01	04/25/2014 05:25	ALD
100-42-5	Styrene	ND		ug/m³	0.43	0.43	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
115-07-1	* Propylene	ND		ug/m³	0.18	0.18	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
622-96-8	*** p-Ethyltoluene**	**170**		ug/m³	18	18	36	EPA TO-15	04/24/2014 08:01	04/25/2014 05:25	ALD
179601-23-1	**p- & m- Xylenes**	**48**		ug/m³	0.88	0.88	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
95-47-6	**o-Xylene**	**88**		ug/m³	0.44	0.44	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
110-54-3	**n-Hexane**	**6.3**		ug/m³	0.36	0.36	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
142-82-5	**n-Heptane**	**9.7**		ug/m³	0.42	0.42	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
75-09-2	**Methylene chloride**	**3.4**		ug/m³	0.71	0.71	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.37	0.37	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.42	0.42	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
67-63-0	**Isopropanol**	**3.8**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
100-41-4	**Ethyl Benzene**	**43**		ug/m³	0.44	0.44	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	0.73	0.73	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
110-82-7	**Cyclohexane**	**1.5**		ug/m³	0.35	0.35	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
156-59-2	**cis-1,2-Dichloroethylene**	**3.5**		ug/m³	0.40	0.40	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
74-87-3	Chloromethane	ND		ug/m³	0.21	0.21	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
67-66-3	**Chloroform**	**1.8**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
75-00-3	Chloroethane	ND		ug/m³	0.27	0.27	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.16	0.16	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
75-15-0	Carbon disulfide	ND		ug/m³	0.32	0.32	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
74-83-9	Bromomethane	ND		ug/m³	0.39	0.39	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	0.63	0.63	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.53	0.53	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
71-43-2	**Benzene**	**2.3**		ug/m³	0.32	0.32	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
67-64-1	**Acetone**	**12**	B	ug/m³	0.24	0.24	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD

Sample Information

Client Sample ID: **SV-1/#11** **York Sample ID:** **14D0879-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0879	140078 100 Union Avenue Brooklyn, NY	Soil Vapor	April 21, 2014 3:00 pm	04/22/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	0.83	0.83	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
78-93-3	**2-Butanone**	**1.2**		ug/m³	0.30	0.30	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	0.37	0.37	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.44	0.44	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
108-67-8	**1,3,5-Trimethylbenzene**	**50**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.71	0.71	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.47	0.47	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
107-06-2	1,2-Dichloroethane 1,2-	ND		ug/m³	0.41	0.41	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
95-50-1	Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**200**		ug/m³	18	18	36	EPA TO-15	04/24/2014 08:01	04/25/2014 05:25	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.75	0.75	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.41	0.41	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.8**		ug/m³	0.57	0.57	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.78	0.78	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.70	0.70	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
75-71-8	**Dichlorodifluoromethane**	**1.8**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.78	0.78	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	0.82	0.82	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.42	0.42	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.47	0.47	1	EPA TO-15	04/24/2014 08:01	04/24/2014 15:28	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.2 %*	*72-118*

Sample Information

Client Sample ID: **SV-2/Y61** **York Sample ID:** **14D0879-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0879	140078 100 Union Avenue Brooklyn, NY	Soil Vapor	April 21, 2014 3:00 pm	04/22/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **SV-2/Y61** **York Sample ID:** **14D0879-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0879	140078 100 Union Avenue Brooklyn, NY	Soil Vapor	April 21, 2014 3:00 pm	04/22/2014

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.26	0.26	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.36	0.36	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
79-01-6	**Trichloroethylene** trans-1,3-	**2.7**		ug/m³	0.14	0.14	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
10061-02-6	Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
108-88-3	**Toluene**	**98**		ug/m³	13	13	33.6	EPA TO-15	04/24/2014 12:05	04/25/2014 16:31	ALD
109-99-9	*** Tetrahydrofuran**	**25**		ug/m³	0.30	0.30	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
127-18-4	**Tetrachloroethylene**	**520**		ug/m³	23	23	33.6	EPA TO-15	04/24/2014 12:05	04/25/2014 16:31	ALD
100-42-5	Styrene	ND		ug/m³	0.43	0.43	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
115-07-1	* Propylene	ND		ug/m³	0.18	0.18	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
622-96-8	*** p-Ethyltoluene**	**150**		ug/m³	17	17	33.6	EPA TO-15	04/24/2014 12:05	04/25/2014 16:31	ALD
179601-23-1	**p- & m- Xylenes**	**70**		ug/m³	0.88	0.88	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
95-47-6	**o-Xylene**	**110**		ug/m³	0.44	0.44	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
110-54-3	**n-Hexane**	**16**		ug/m³	0.36	0.36	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
142-82-5	**n-Heptane**	**21**		ug/m³	0.42	0.42	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
75-09-2	**Methylene chloride**	**14**		ug/m³	0.71	0.71	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.37	0.37	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.42	0.42	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
67-63-0	**Isopropanol**	**16**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
100-41-4	**Ethyl Benzene**	**62**		ug/m³	0.44	0.44	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	0.73	0.73	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
110-82-7	**Cyclohexane**	**3.6**		ug/m³	0.35	0.35	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
156-59-2	**cis-1,2-Dichloroethylene**	**1.1**		ug/m³	0.40	0.40	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
74-87-3	Chloromethane	ND		ug/m³	0.21	0.21	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
67-66-3	**Chloroform**	**1.9**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
75-00-3	Chloroethane	ND		ug/m³	0.27	0.27	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.16	0.16	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
75-15-0	**Carbon disulfide**	**0.38**		ug/m³	0.32	0.32	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
74-83-9	Bromomethane	ND		ug/m³	0.39	0.39	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	0.63	0.63	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.53	0.53	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
71-43-2	**Benzene**	**6.6**		ug/m³	0.32	0.32	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
67-64-1	**Acetone**	**13**	B	ug/m³	0.24	0.24	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	0.83	0.83	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
78-93-3	**2-Butanone**	**4.0**		ug/m³	0.30	0.30	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	0.37	0.37	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD

Sample Information

Client Sample ID: SV-2/Y61 **York Sample ID:** 14D0879-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0879	140078 100 Union Avenue Brooklyn, NY	Soil Vapor	April 21, 2014 3:00 pm	04/22/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.44	0.44	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
108-67-8	**1,3,5-Trimethylbenzene**	**46**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.71	0.71	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.47	0.47	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
107-06-2	1,2-Dichloroethane 1,2-	ND		ug/m³	0.41	0.41	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
95-50-1	Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**170**		ug/m³	17	17	33.6	EPA TO-15	04/24/2014 12:05	04/25/2014 16:31	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.75	0.75	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.41	0.41	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.5**		ug/m³	0.57	0.57	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.78	0.78	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.70	0.70	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
71-55-6	**1,1,1-Trichloroethane**	**4.4**		ug/m³	0.55	0.55	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
75-71-8	**Dichlorodifluoromethane**	**1.8**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.78	0.78	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	0.82	0.82	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.42	0.42	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.47	0.47	1	EPA TO-15	04/24/2014 12:05	04/24/2014 16:30	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*89.2 %*	*72-118*

Sample Information

Client Sample ID: SV-3/S23 **York Sample ID:** 14D0879-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0879	140078 100 Union Avenue Brooklyn, NY	Soil Vapor	April 21, 2014 3:00 pm	04/22/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.26	0.26	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD

Sample Information

Client Sample ID: **SV-3/S23** **York Sample ID:** **14D0879-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0879	140078 100 Union Avenue Brooklyn, NY	Soil Vapor	April 21, 2014 3:00 pm	04/22/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m³	0.36	0.36	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
79-01-6	Trichloroethylene	ND		ug/m³	0.14	0.14	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
108-88-3	**Toluene**	**77**		ug/m³	0.38	0.38	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.30	0.30	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
127-18-4	**Tetrachloroethylene**	**1.2**		ug/m³	0.69	0.69	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
100-42-5	Styrene	ND		ug/m³	0.43	0.43	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
115-07-1	* Propylene	ND		ug/m³	0.18	0.18	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
622-96-8	*** p-Ethyltoluene**	**140**		ug/m³	17	17	34.76	EPA TO-15	04/24/2014 12:05	04/25/2014 17:21	ALD
179601-23-1	**p- & m- Xylenes**	**51**		ug/m³	0.88	0.88	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
95-47-6	**o-Xylene**	**86**		ug/m³	0.44	0.44	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
110-54-3	**n-Hexane**	**10**		ug/m³	0.36	0.36	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
142-82-5	**n-Heptane**	**14**		ug/m³	0.42	0.42	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
75-09-2	**Methylene chloride**	**3.3**		ug/m³	0.71	0.71	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.37	0.37	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.42	0.42	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
67-63-0	**Isopropanol**	**10**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
100-41-4	**Ethyl Benzene**	**45**		ug/m³	0.44	0.44	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	0.73	0.73	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
110-82-7	**Cyclohexane**	**2.4**		ug/m³	0.35	0.35	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
74-87-3	Chloromethane	ND		ug/m³	0.21	0.21	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
67-66-3	**Chloroform**	**1.1**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
75-00-3	Chloroethane	ND		ug/m³	0.27	0.27	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
56-23-5	**Carbon tetrachloride**	**3.6**		ug/m³	0.16	0.16	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
75-15-0	**Carbon disulfide**	**1.3**		ug/m³	0.32	0.32	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
74-83-9	Bromomethane	ND		ug/m³	0.39	0.39	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	0.63	0.63	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.53	0.53	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
71-43-2	**Benzene**	**3.8**		ug/m³	0.32	0.32	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
67-64-1	**Acetone**	**570**		ug/m³	8.4	8.4	34.76	EPA TO-15	04/24/2014 12:05	04/25/2014 17:21	ALD
591-78-6	*** 2-Hexanone**	B		ug/m³	0.83	0.83	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
78-93-3	**2-Butanone**	**23**		ug/m³	0.30	0.30	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD

Sample Information

Client Sample ID: SV-3/S23 **York Sample ID:** 14D0879-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0879	140078 100 Union Avenue Brooklyn, NY	Soil Vapor	April 21, 2014 3:00 pm	04/22/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m³	0.37	0.37	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.44	0.44	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
108-67-8	**1,3,5-Trimethylbenzene**	**44**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.71	0.71	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.47	0.47	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
107-06-2	1,2-Dichloroethane 1,2-	ND		ug/m³	0.41	0.41	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
95-50-1	Dichlorobenzene 1,2,4-	ND		ug/m³	0.61	0.61	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
95-63-6	Trimethylbenzene	ND		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.75	0.75	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.41	0.41	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.8**		ug/m³	0.57	0.57	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.78	0.78	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.70	0.70	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
71-55-6	**1,1,1-Trichloroethane**	**12**		ug/m³	0.55	0.55	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
75-71-8	**Dichlorodifluoromethane**	**1.6**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.78	0.78	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	0.82	0.82	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.42	0.42	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.47	0.47	1	EPA TO-15	04/24/2014 12:05	04/24/2014 17:32	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.6 %*	*72-118*

Sample Information

Client Sample ID: SV-4/S18 **York Sample ID:** 14D0879-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0879	140078 100 Union Avenue Brooklyn, NY	Soil Vapor	April 21, 2014 3:00 pm	04/22/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **SV-4/S18** **York Sample ID:** **14D0879-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0879	140078 100 Union Avenue Brooklyn, NY	Soil Vapor	April 21, 2014 3:00 pm	04/22/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.26	0.26	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.36	0.36	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
79-01-6	Trichloroethylene	ND		ug/m³	0.14	0.14	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
108-88-3	**Toluene**	**6.2**		ug/m³	0.38	0.38	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
109-99-9	*** Tetrahydrofuran**	**4.0**		ug/m³	0.30	0.30	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
127-18-4	**Tetrachloroethylene**	**1.9**		ug/m³	0.69	0.69	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
100-42-5	Styrene	ND		ug/m³	0.43	0.43	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
115-07-1	* Propylene	ND		ug/m³	0.18	0.18	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
622-96-8	*** p-Ethyltoluene**	**8.2**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
179601-23-1	**p- & m- Xylenes**	**11**		ug/m³	0.88	0.88	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
95-47-6	**o-Xylene**	**5.9**		ug/m³	0.44	0.44	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
110-54-3	**n-Hexane**	**1.9**		ug/m³	0.36	0.36	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
142-82-5	**n-Heptane**	**3.3**		ug/m³	0.42	0.42	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
75-09-2	Methylene chloride	ND		ug/m³	0.71	0.71	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.37	0.37	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.42	0.42	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
67-63-0	**Isopropanol**	**13**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
100-41-4	**Ethyl Benzene**	**2.6**		ug/m³	0.44	0.44	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
141-78-6	*** Ethyl acetate**	**0.77**		ug/m³	0.73	0.73	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
110-82-7	Cyclohexane	ND		ug/m³	0.35	0.35	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
74-87-3	Chloromethane	ND		ug/m³	0.21	0.21	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
67-66-3	Chloroform	ND		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
75-00-3	Chloroethane	ND		ug/m³	0.27	0.27	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.16	0.16	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
75-15-0	**Carbon disulfide**	**6.0**		ug/m³	0.32	0.32	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
74-83-9	Bromomethane	ND		ug/m³	0.39	0.39	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	0.63	0.63	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.53	0.53	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
71-43-2	Benzene	ND		ug/m³	0.32	0.32	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
67-64-1	**Acetone**	**730**	B	ug/m³	41	41	168	EPA TO-15	04/24/2014 12:05	04/25/2014 18:10	ALD
591-78-6	*** 2-Hexanone**			ug/m³	0.83	0.83	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD

Sample Information

Client Sample ID: **SV-4/S18** **York Sample ID:** **14D0879-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0879	140078 100 Union Avenue Brooklyn, NY	Soil Vapor	April 21, 2014 3:00 pm	04/22/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	**2-Butanone**	**76**		ug/m³	50	50	168	EPA TO-15	04/24/2014 12:05	04/25/2014 18:10	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	0.37	0.37	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.44	0.44	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
108-67-8	**1,3,5-Trimethylbenzene**	**3.4**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.71	0.71	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.47	0.47	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
107-06-2	1,2-Dichloroethane 1,2-	ND		ug/m³	0.41	0.41	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
95-50-1	Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**13**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.75	0.75	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.41	0.41	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.9**		ug/m³	0.57	0.57	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.78	0.78	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.70	0.70	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
71-55-6	**1,1,1-Trichloroethane**	**1.7**		ug/m³	0.55	0.55	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
75-71-8	**Dichlorodifluoromethane**	**1.9**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.78	0.78	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	0.82	0.82	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.42	0.42	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.47	0.47	1	EPA TO-15	04/24/2014 12:05	04/24/2014 18:34	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.3 %*	*72-118*

Sample Information

Client Sample ID: **AO-1/S02** **York Sample ID:** **14D0879-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0879	140078 100 Union Avenue Brooklyn, NY	Outdoor Ambient Air	April 21, 2014 3:00 pm	04/22/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **AO-1/S02** **York Sample ID:** **14D0879-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0879	140078 100 Union Avenue Brooklyn, NY	Outdoor Ambient Air	April 21, 2014 3:00 pm	04/22/2014

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.26	0.26	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.36	0.36	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
79-01-6	Trichloroethylene	ND		ug/m³	0.14	0.14	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
108-88-3	**Toluene**	**5.1**		ug/m³	0.38	0.38	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
109-99-9	*** Tetrahydrofuran**	**1.8**		ug/m³	0.30	0.30	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
127-18-4	**Tetrachloroethylene**	**1.7**		ug/m³	0.69	0.69	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
100-42-5	Styrene	ND		ug/m³	0.43	0.43	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
115-07-1	* Propylene	ND		ug/m³	0.18	0.18	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
622-96-8	*** p-Ethyltoluene**	**1.0**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
179601-23-1	**p- & m- Xylenes**	**2.3**		ug/m³	0.88	0.88	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
95-47-6	**o-Xylene**	**0.88**		ug/m³	0.44	0.44	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
110-54-3	**n-Hexane**	**2.1**		ug/m³	0.36	0.36	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
142-82-5	**n-Heptane**	**0.92**		ug/m³	0.42	0.42	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
75-09-2	**Methylene chloride**	**1.9**		ug/m³	0.71	0.71	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.37	0.37	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.42	0.42	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
67-63-0	**Isopropanol**	**4.6**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
100-41-4	**Ethyl Benzene**	**0.75**		ug/m³	0.44	0.44	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
141-78-6	*** Ethyl acetate**	**0.77**		ug/m³	0.73	0.73	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
110-82-7	**Cyclohexane**	**0.49**		ug/m³	0.35	0.35	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
74-87-3	**Chloromethane**	**1.2**		ug/m³	0.21	0.21	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
67-66-3	Chloroform	ND		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
75-00-3	Chloroethane	ND		ug/m³	0.27	0.27	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.16	0.16	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
75-15-0	Carbon disulfide	ND		ug/m³	0.32	0.32	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
74-83-9	Bromomethane	ND		ug/m³	0.39	0.39	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	0.63	0.63	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.53	0.53	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
71-43-2	**Benzene**	**1.6**		ug/m³	0.32	0.32	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
67-64-1	**Acetone**	**13**	B	ug/m³	0.24	0.24	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	0.83	0.83	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
78-93-3	**2-Butanone**	**2.2**		ug/m³	0.30	0.30	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	0.37	0.37	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD

Sample Information

Client Sample ID: **AO-1/S02** **York Sample ID:** **14D0879-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0879	140078 100 Union Avenue Brooklyn, NY	Outdoor Ambient Air	April 21, 2014 3:00 pm	04/22/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reporting LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.44	0.44	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.71	0.71	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.47	0.47	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
107-06-2	1,2-Dichloroethane 1,2-	ND		ug/m³	0.41	0.41	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
95-50-1	Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**1.1**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.75	0.75	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.41	0.41	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.5**		ug/m³	0.57	0.57	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.78	0.78	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.70	0.70	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
75-71-8	**Dichlorodifluoromethane**	**1.9**		ug/m³	0.50	0.50	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.78	0.78	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	0.82	0.82	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.42	0.42	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.47	0.47	1	EPA TO-15	04/24/2014 08:01	04/24/2014 12:22	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.6 %*	*72-118*

Analytical Batch Summary

Batch ID: BD41184 **Preparation Method:** EPA TO15 PREP **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14D0879-01	SV-1/#11	04/24/14
14D0879-05	AO-1/S02	04/24/14
BD41184-BLK1	Blank	04/24/14
BD41184-BS1	LCS	04/24/14
BD41184-DUP1	Duplicate	04/24/14

Batch ID: BD41278 **Preparation Method:** EPA TO15 PREP **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14D0879-02	SV-2/Y61	04/24/14
14D0879-03	SV-3/S23	04/24/14
14D0879-04	SV-4/S18	04/24/14
BD41278-BLK1	Blank	04/25/14
BD41278-BS1	LCS	04/25/14

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41184 - EPA TO15 PREP											
Blank (BD41184-BLK1)											
Prepared & Analyzed: 04/24/2014											
Vinyl Chloride	ND	0.26	ug/m³								
Vinyl acetate	ND	0.36	"								
Trichloroethylene	ND	0.14	"								
trans-1,3-Dichloropropylene	ND	0.46	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
Toluene	ND	0.38	"								
Tetrahydrofuran	ND	0.30	"								
Tetrachloroethylene	ND	0.69	"								
Styrene	ND	0.43	"								
Propylene	ND	0.18	"								
p-Ethyltoluene	ND	0.50	"								
p- & m- Xylenes	ND	0.88	"								
o-Xylene	ND	0.44	"								
n-Hexane	ND	0.36	"								
n-Heptane	ND	0.42	"								
Methylene chloride	ND	0.71	"								
Methyl tert-butyl ether (MTBE)	ND	0.37	"								
4-Methyl-2-pentanone	ND	0.42	"								
Isopropanol	ND	0.50	"								
Hexachlorobutadiene	ND	1.1	"								
Ethyl Benzene	ND	0.44	"								
Ethyl acetate	ND	0.73	"								
Cyclohexane	ND	0.35	"								
cis-1,3-Dichloropropylene	ND	0.46	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
Chloromethane	ND	0.21	"								
Chloroform	ND	0.50	"								
Chloroethane	ND	0.27	"								
Carbon tetrachloride	ND	0.16	"								
Carbon disulfide	ND	0.32	"								
Bromomethane	ND	0.39	"								
Bromoform	ND	1.1	"								
Bromodichloromethane	ND	0.63	"								
Benzyl chloride	ND	0.53	"								
Benzene	ND	0.32	"								
Acetone	0.29	0.24	"								
2-Hexanone	ND	0.83	"								
2-Butanone	ND	0.30	"								
1,4-Dioxane	ND	0.37	"								
1,4-Dichlorobenzene	ND	0.61	"								
1,3-Dichlorobenzene	ND	0.61	"								
1,3-Butadiene	ND	0.44	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorotetrafluoroethane	ND	0.71	"								
1,2-Dichloropropane	ND	0.47	"								
1,2-Dichloroethane	ND	0.41	"								
1,2-Dichlorobenzene	ND	0.61	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.75	"								
1,1-Dichloroethylene	ND	0.40	"								
1,1-Dichloroethane	ND	0.41	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41184 - EPA TO15 PREP											
Blank (BD41184-BLK1)								Prepared & Analyzed: 04/24/2014			
Trichlorofluoromethane (Freon 11)	ND	0.57	ug/m³								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.78	"								
1,1,2,2-Tetrachloroethane	ND	0.70	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.50	"								
1,2-Dibromoethane	ND	0.78	"								
Dibromochloromethane	ND	0.82	"								
Methyl Methacrylate	ND	0.42	"								
Chlorobenzene	ND	0.47	"								
Surrogate: p-Bromofluorobenzene	*9.25*		*ppbv*	*10.6*		*87.3*	*72-118*				
LCS (BD41184-BS1)								Prepared & Analyzed: 04/24/2014			
Vinyl Chloride	9.63		ppbv	10.2		94.4	61-115				
Vinyl acetate	10.9		"	10.7		101	61-141				
Trichloroethylene	10.2		"	9.90		103	72-125				
trans-1,3-Dichloropropylene	12.7		"	10.8		117	78-134				
trans-1,2-Dichloroethylene	9.86		"	9.70		102	69-116				
Toluene	10.8		"	10.4		104	71-128				
Tetrahydrofuran	10.3		"	9.20		112	79-132				
Tetrachloroethylene	11.2		"	10.0		112	72-124				
Styrene	12.3		"	10.3		120	80-137				
Propylene	10.4		"	10.3		99.6	67-106				
p-Ethyltoluene	11.4		"	10.1		113	73-143				
p- & m- Xylenes	20.8		"	20.2		103	68-129				
o-Xylene	11.5		"	10.5		109	69-124				
n-Hexane	10.4		"	10.0		104	69-119				
n-Heptane	10.5		"	10.3		102	69-115				
Methylene chloride	9.08		"	9.90		91.7	66-95				
Methyl tert-butyl ether (MTBE)	10.5		"	9.80		108	72-140				
4-Methyl-2-pentanone	10.6		"	9.20		116	49-174				
Isopropanol	11.5		"	12.0		96.0	48-166				
Hexachlorobutadiene	12.4		"	9.90		125	69-152				
Ethyl Benzene	11.2		"	10.3		108	68-129				
Ethyl acetate	9.33		"	8.50		110	71-135				
Cyclohexane	10.6		"	10.1		105	70-118				
cis-1,3-Dichloropropylene	11.5		"	10.5		109	74-132				
cis-1,2-Dichloroethylene	10.4		"	10.3		101	67-121				
Chloromethane	9.40		"	10.1		93.1	60-105				
Chloroform	10.6		"	10.1		105	71-118				
Chloroethane	10.1		"	9.90		102	63-108				
Carbon tetrachloride	11.3		"	10.2		111	67-119				
Carbon disulfide	10.5		"	10.4		99.6	59-119				
Bromomethane	10.3		"	9.90		104	60-108				
Bromoform	12.8		"	10.1		127	77-127				
Bromodichloromethane	11.5		"	9.90		116	68-128				
Benzyl chloride	12.9		"	10.2		126	57-170				
Benzene	10.2		"	10.2		101	64-121				
Acetone	9.60		"	9.80		98.0	71-117				
2-Hexanone	12.0		"	9.30		128	10-242				
2-Butanone	10.7		"	9.40		114	82-143				
1,4-Dioxane	11.6		"	9.90		117	55-198				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41184 - EPA TO15 PREP											
LCS (BD41184-BS1)								Prepared & Analyzed: 04/24/2014			
1,4-Dichlorobenzene	11.9		ppbv	10.2		117	73-128				
1,3-Dichlorobenzene	11.8		"	10.2		115	73-130				
1,3-Butadiene	9.67		"	10.1		95.7	65-112				
1,3,5-Trimethylbenzene	11.5		"	10.2		113	65-139				
1,2-Dichlorotetrafluoroethane	10.4		"	10.1		102	52-117				
1,2-Dichloropropane	10.5		"	10.3		102	66-122				
1,2-Dichloroethane	10.6		"	10.1		105	72-113				
1,2-Dichlorobenzene	11.6		"	10.1		115	69-130				
1,2,4-Trimethylbenzene	11.6		"	10.2		114	67-144				
1,2,4-Trichlorobenzene	12.2		"	9.60		127	67-168				
1,1-Dichloroethylene	10.1		"	10.0		101	72-110				
1,1-Dichloroethane	10.3		"	10.0		103	70-114				
Trichlorofluoromethane (Freon 11)	11.1		"	10.5		106	67-105	High Bias			
1,1,2-Trichloroethane	11.0		"	10.3		106	73-124				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	9.70		105	68-118				
1,1,2,2-Tetrachloroethane	11.1		"	10.5		105	68-126				
1,1,1-Trichloroethane	10.6		"	9.90		107	71-119				
Dichlorodifluoromethane	8.81		"	10.0		88.1	70-130				
1,2-Dibromoethane	11.7		"	10.3		114	79-129				
Dibromochloromethane	13.0		"	10.3		127	78-123	High Bias			
Methyl Methacrylate	10.6		"	9.50		112	51-138				
Chlorobenzene	11.0		"	10.4		105	71-117				
Surrogate: p-Bromofluorobenzene	*9.55*		*"*	*10.6*		*90.2*	*72-118*				
Duplicate (BD41184-DUP1)	*Source sample: 14D0879-05 (AO-1/S02)							Prepared & Analyzed: 04/24/2014			
Vinyl Chloride	ND	0.26	ug/m³		ND					25	
Vinyl acetate	ND	0.36	"		ND					25	
Trichloroethylene	ND	0.14	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.46	"		ND					25	
trans-1,2-Dichloroethylene	ND	0.40	"		ND					25	
Toluene	5.1	0.38	"		5.1				0.749	25	
Tetrahydrofuran	1.8	0.30	"		1.8				0.00	25	
Tetrachloroethylene	1.7	0.69	"		1.7				0.00	25	
Styrene	ND	0.43	"		ND					25	
Propylene	ND	0.18	"		ND					25	
p-Ethyltoluene	1.0	0.50	"		1.0				0.00	25	
p- & m- Xylenes	2.3	0.88	"		2.3				0.00	25	
o-Xylene	0.88	0.44	"		0.88				0.00	25	
n-Hexane	2.1	0.36	"		2.1				0.00	25	
n-Heptane	0.92	0.42	"		0.92				0.00	25	
Methylene chloride	1.8	0.71	"		1.9				1.90	25	
Methyl tert-butyl ether (MTBE)	ND	0.37	"		ND					25	
4-Methyl-2-pentanone	ND	0.42	"		ND					25	
Isopropanol	4.5	0.50	"		4.6				3.84	25	
Hexachlorobutadiene	ND	1.1	"		ND					25	
Ethyl Benzene	0.75	0.44	"		0.75				0.00	25	
Ethyl acetate	0.77	0.73	"		0.77				0.00	25	
Cyclohexane	0.49	0.35	"		0.49				0.00	25	
cis-1,3-Dichloropropylene	ND	0.46	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.40	"		ND					25	
Chloromethane	1.2	0.21	"		1.2				0.00	25	
Chloroform	ND	0.50	"		ND					25	

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41184 - EPA TO15 PREP											
Duplicate (BD41184-DUP1)	*Source sample: 14D0879-05 (AO-1/S02)								Prepared & Analyzed: 04/24/2014		
Chloroethane	ND	0.27	ug/m³		ND					25	
Carbon tetrachloride	ND	0.16	"		ND					25	
Carbon disulfide	ND	0.32	"		ND					25	
Bromomethane	ND	0.39	"		ND					25	
Bromoform	ND	1.1	"		ND					25	
Bromodichloromethane	ND	0.63	"		ND					25	
Benzyl chloride	ND	0.53	"		ND					25	
Benzene	1.6	0.32	"		1.6				2.02	25	
Acetone	13	0.24	"		13				1.90	25	
2-Hexanone	ND	0.83	"		ND					25	
2-Butanone	2.1	0.30	"		2.2				2.82	25	
1,4-Dioxane	ND	0.37	"		ND					25	
1,4-Dichlorobenzene	ND	0.61	"		ND					25	
1,3-Dichlorobenzene	ND	0.61	"		ND					25	
1,3-Butadiene	ND	0.44	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.50	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.71	"		ND					25	
1,2-Dichloropropane	ND	0.47	"		ND					25	
1,2-Dichloroethane	ND	0.41	"		ND					25	
1,2-Dichlorobenzene	ND	0.61	"		ND					25	
1,2,4-Trimethylbenzene	1.0	0.50	"		1.1				4.65	25	
1,2,4-Trichlorobenzene	ND	0.75	"		ND					25	
1,1-Dichloroethylene	ND	0.40	"		ND					25	
1,1-Dichloroethane	ND	0.41	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.4	0.57	"		1.5				3.92	25	
1,1,2-Trichloroethane	ND	0.55	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.78	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.70	"		ND					25	
1,1,1-Trichloroethane	ND	0.55	"		ND					25	
Dichlorodifluoromethane	1.7	0.50	"		1.9				8.45	200	
1,2-Dibromoethane	ND	0.78	"		ND					200	
Dibromochloromethane	ND	0.82	"		ND					200	
Methyl Methacrylate	ND	0.42	"		ND					25	
Chlorobenzene	ND	0.47	"		ND					25	
Surrogate: p-Bromofluorobenzene	*9.44*		*ppbv*	*10.6*		*89.1*	*72-118*				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41278 - EPA TO15 PREP											
Blank (BD41278-BLK1)											
Prepared & Analyzed: 04/25/2014											
Vinyl Chloride	ND	0.26	ug/m³								
Vinyl acetate	ND	0.36	"								
Trichloroethylene	ND	0.14	"								
trans-1,3-Dichloropropylene	ND	0.46	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
Toluene	ND	0.38	"								
Tetrahydrofuran	ND	0.30	"								
Tetrachloroethylene	ND	0.69	"								
Styrene	ND	0.43	"								
Propylene	ND	0.18	"								
p-Ethyltoluene	ND	0.50	"								
p- & m- Xylenes	ND	0.88	"								
o-Xylene	ND	0.44	"								
n-Hexane	ND	0.36	"								
n-Heptane	ND	0.42	"								
Methylene chloride	ND	0.71	"								
Methyl tert-butyl ether (MTBE)	ND	0.37	"								
4-Methyl-2-pentanone	ND	0.42	"								
Isopropanol	ND	0.50	"								
Hexachlorobutadiene	ND	1.1	"								
Ethyl Benzene	ND	0.44	"								
Ethyl acetate	ND	0.73	"								
Cyclohexane	ND	0.35	"								
cis-1,3-Dichloropropylene	ND	0.46	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
Chloromethane	ND	0.21	"								
Chloroform	ND	0.50	"								
Chloroethane	ND	0.27	"								
Carbon tetrachloride	ND	0.16	"								
Carbon disulfide	ND	0.32	"								
Bromomethane	ND	0.39	"								
Bromoform	ND	1.1	"								
Bromodichloromethane	ND	0.63	"								
Benzyl chloride	ND	0.53	"								
Benzene	ND	0.32	"								
Acetone	0.34	0.24	"								
2-Hexanone	ND	0.83	"								
2-Butanone	ND	0.30	"								
1,4-Dioxane	ND	0.37	"								
1,4-Dichlorobenzene	ND	0.61	"								
1,3-Dichlorobenzene	ND	0.61	"								
1,3-Butadiene	ND	0.44	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorotetrafluoroethane	ND	0.71	"								
1,2-Dichloropropane	ND	0.47	"								
1,2-Dichloroethane	ND	0.41	"								
1,2-Dichlorobenzene	ND	0.61	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.75	"								
1,1-Dichloroethylene	ND	0.40	"								
1,1-Dichloroethane	ND	0.41	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41278 - EPA TO15 PREP											
Blank (BD41278-BLK1)								Prepared & Analyzed: 04/25/2014			
Trichlorofluoromethane (Freon 11)	ND	0.57	ug/m³								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.78	"								
1,1,2,2-Tetrachloroethane	ND	0.70	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.50	"								
1,2-Dibromoethane	ND	0.78	"								
Dibromochloromethane	ND	0.82	"								
Methyl Methacrylate	ND	0.42	"								
Chlorobenzene	ND	0.47	"								
Surrogate: p-Bromofluorobenzene	*8.87*		*ppbv*	*10.6*		*83.7*	*72-118*				
LCS (BD41278-BS1)								Prepared & Analyzed: 04/25/2014			
Vinyl Chloride	8.98		ppbv	10.2		88.0	61-115				
Vinyl acetate	9.34		"	10.8		86.5	61-141				
Trichloroethylene	8.70		"	9.90		87.9	72-125				
trans-1,3-Dichloropropylene	10.8		"	10.9		99.2	78-134				
trans-1,2-Dichloroethylene	8.48		"	9.70		87.4	69-116				
Toluene	9.26		"	10.4		89.0	71-128				
Tetrahydrofuran	8.78		"	9.20		95.4	79-132				
Tetrachloroethylene	9.55		"	10.0		95.5	72-124				
Styrene	10.3		"	10.2		100	80-137				
Propylene	8.67		"	10.4		83.4	67-106				
p-Ethyltoluene	9.62		"	10.1		95.2	73-143				
p- & m- Xylenes	17.5		"	20.2		86.8	68-129				
o-Xylene	9.66		"	10.5		92.0	69-124				
n-Hexane	8.98		"	10.0		89.8	69-119				
n-Heptane	8.88		"	10.3		86.2	69-115				
Methylene chloride	7.72		"	9.90		78.0	66-95				
Methyl tert-butyl ether (MTBE)	9.12		"	9.80		93.1	72-140				
4-Methyl-2-pentanone	8.91		"	9.20		96.8	49-174				
Isopropanol	9.40		"	12.0		78.3	48-166				
Hexachlorobutadiene	10.4		"	9.90		105	69-152				
Ethyl Benzene	9.42		"	10.3		91.5	68-129				
Ethyl acetate	7.96		"	8.50		93.6	71-135				
Cyclohexane	8.98		"	10.1		88.9	70-118				
cis-1,3-Dichloropropylene	9.72		"	10.5		92.6	74-132				
cis-1,2-Dichloroethylene	8.92		"	10.3		86.6	67-121				
Chloromethane	8.63		"	10.1		85.4	60-105				
Chloroform	9.04		"	10.1		89.5	71-118				
Chloroethane	8.51		"	9.90		86.0	63-108				
Carbon tetrachloride	9.68		"	10.2		94.9	67-119				
Carbon disulfide	8.98		"	10.5		85.5	59-119				
Bromomethane	8.77		"	9.90		88.6	60-108				
Bromoform	10.8		"	10.1		107	77-127				
Bromodichloromethane	9.78		"	9.90		98.8	68-128				
Benzyl chloride	10.7		"	10.2		105	57-170				
Benzene	8.76		"	10.2		85.9	64-121				
Acetone	8.12		"	9.80		82.9	71-117				
2-Hexanone	10.0		"	9.30		108	10-242				
2-Butanone	9.00		"	9.40		95.7	82-143				
1,4-Dioxane	9.60		"	9.90		97.0	55-198				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41278 - EPA TO15 PREP											
LCS (BD41278-BS1)								Prepared & Analyzed: 04/25/2014			
1,4-Dichlorobenzene	10.0		ppbv	10.2		98.0	73-128				
1,3-Dichlorobenzene	9.90		"	10.2		97.1	73-130				
1,3-Butadiene	9.04		"	10.1		89.5	65-112				
1,3,5-Trimethylbenzene	9.60		"	10.2		94.1	65-139				
1,2-Dichlorotetrafluoroethane	9.01		"	10.2		88.3	52-117				
1,2-Dichloropropane	8.86		"	10.3		86.0	66-122				
1,2-Dichloroethane	9.08		"	10.1		89.9	72-113				
1,2-Dichlorobenzene	9.76		"	10.1		96.6	69-130				
1,2,4-Trimethylbenzene	9.78		"	10.2		95.9	67-144				
1,2,4-Trichlorobenzene	10.2		"	9.60		106	67-168				
1,1-Dichloroethylene	8.65		"	10.0		86.5	72-110				
1,1-Dichloroethane	8.90		"	10.0		89.0	70-114				
Trichlorofluoromethane (Freon 11)	9.55		"	10.5		91.0	67-105				
1,1,2-Trichloroethane	9.39		"	10.3		91.2	73-124				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.72		"	9.70		89.9	68-118				
1,1,2,2-Tetrachloroethane	9.29		"	10.5		88.5	68-126				
1,1,1-Trichloroethane	9.13		"	9.90		92.2	71-119				
Dichlorodifluoromethane	7.36		"	10.0		73.6	70-130				
1,2-Dibromoethane	9.98		"	10.3		96.9	79-129				
Dibromochloromethane	11.2		"	10.3		108	78-123				
Methyl Methacrylate	8.96		"	9.50		94.3	51-138				
Chlorobenzene	9.35		"	10.4		89.9	71-117				
Surrogate: p-Bromofluorobenzene	*9.44*		*"*	*10.6*		*89.1*	*72-118*				

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record - AIR

Page 1 of 1

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 14D0879

YOUR Information
Company: Hydro Tech Env. Co.
Address: 5 Ocean Ave
Brooklyn NY
Phone No. 718 636 0...
Contact Person: Paul Mattei
E-Mail Address: Pmattei@hydrotechenv.com

Report To:
Company: SAME
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:
Company: Mushnick
Address: SAME
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
140078
100 Union Avenue
Brooklyn NY

Purchase Order No.
5042

Samples from: CT ___ NY ✓ NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- ~~RUSH~~ - (Four Day) ✓
- Standard(5-7 Days) ☐

Report Type/Deliverables
- Summary Report
- Summary w/ QA Summary ✓
- CT RCP Package
- NY ASP A Package
- NY ASP B/CLP Pkg
- NJDEP Reduced
- *Electronic Deliverables:*
- EDD (Specify Type) ✓
- Standard Excel
- Regulatory Comparison Excel

Print. Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Sylvia Gold. / Paul Mattei
Samples Collected/Authorized By (Signature)
Paul Mattei
Name (printed)

Air Matrix Codes
AI - INDOOR Ambient Air
AO - OUTDOOR Amb. Air
AE - Vapor Extraction Well/ Process Gas/Effluent
AS - SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses
- EPA TO-15 List
- EPA TO-14A List
- NYSDEC VI list
- Tentatively Identified Compounds
- NYSDEC STARS List
- Air VPH
- (Project Specific List by TO-15)
- Helium
- NJDEP Target List
- Methane
- CTDEP RCP Target List
- OTHER ___

Detection Limits Required
- ≤ 1 ug/m³
- NYSDEC VI Limits (VI vapor intrusion)
- NJDEP low level
- Routine Survey
- Other 0.5 ug/m³

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
SV-1 #11	4/21/14	AS	-30	-4	EPA TO-15	6 Liter Summa canister 24hr Tedlar Bag
SV-2 Y61	"	"	-28	0	"	6 Liter Summa canister " Tedlar Bag
SV-3 S23	"	"	-30	-8	"	6 Liter Summa canister " Tedlar Bag
SV-4 S18	"	"	-30	-3	"	6 Liter Summa canister " Tedlar Bag
AO-1 S02	"	AO	-30	-2	"	6 Liter Summa canister " Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag

Comments
100 Union Ave

Samples Relinquished By — Date/Time 4/22/14
Samples Relinquished By — Date/Time

Samples Received By — Date/Time
Grace 4-22-14 1830
Samples Received in LAB by — Date/Time

APPENDIX J – SOIL ANALYTICAL LABORATORY REPORT

ANALYTICAL REPORT

Lab Number:	L2035276
Client:	GZA GeoEnvironmental, Inc. 55 Lane Road Suite 407 Fairfield, NJ 07004
ATTN:	Meredith Hayes
Phone:	(973) 774-3300
Project Name:	100 UNION AVE
Project Number:	12.0076932.00
Report Date:	09/08/20

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2035276-01	SP-7 (0-2')	SOIL	BROOKLYN, NY	08/26/20 09:50	08/27/20
L2035276-02	SP-7 (8-8.5')	SOIL	BROOKLYN, NY	08/26/20 10:00	08/27/20
L2035276-03	SP-8 (0-2')	SOIL	BROOKLYN, NY	08/26/20 10:20	08/27/20
L2035276-04	SP-8 (7-7.5')	SOIL	BROOKLYN, NY	08/26/20 10:40	08/27/20
L2035276-05	SP-8 (9-9.5')	SOIL	BROOKLYN, NY	08/26/20 10:58	08/27/20
L2035276-06	SP-9 (0-2')	SOIL	BROOKLYN, NY	08/26/20 12:30	08/27/20
L2035276-07	SP-9 (6.5-7.0')	SOIL	BROOKLYN, NY	08/26/20 12:50	08/27/20
L2035276-08	MW-2A (0-2')	SOIL	BROOKLYN, NY	08/26/20 13:30	08/27/20
L2035276-09	SP-10 (0-2')	SOIL	BROOKLYN, NY	08/26/20 14:50	08/27/20
L2035276-10	SP-10 (7.5-8')	SOIL	BROOKLYN, NY	08/26/20 15:30	08/27/20
L2035276-11	SP-10 (9.5-10')	SOIL	BROOKLYN, NY	08/26/20 15:15	08/27/20
L2035276-12	20200826DUP	SOIL	BROOKLYN, NY	08/26/20 15:18	08/27/20
L2035276-13	20200826EB	EQUIPMENT BLANK	BROOKLYN, NY	08/26/20 16:00	08/27/20
L2035276-14	20200826FB	WATER	BROOKLYN, NY	08/26/20 16:00	08/27/20

Project Name:	100 UNION AVE	**Lab Number:**	L2035276
Project Number:	12.0076932.00	**Report Date:**	09/08/20

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 100 UNION AVE **Lab Number:** L2035276
Project Number: 12.0076932.00 **Report Date:** 09/08/20

Case Narrative (continued)

Report Submission
September 08, 2020: This final report includes the results of all requested analyses.
September 03, 2020: This is a preliminary report.

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

Sample Receipt
The analyses performed were specified by the client.
L2035276-13 and -14: The Client ID was specified by the client.

Semivolatile Organics
L2035276-02: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (3%) and 2,4,6-tribromophenol (0%); however, re-extraction achieved similar results: 2-fluorophenol (7%) and 2,4,6-tribromophenol (0%). The results of both extractions are reported.

Semivolatile Organics by SIM
L2035276-13: The Equipment Blank has concentrations above the reporting limits for Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Benzo(ghi)perylene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene. The Equipment Blank was re-extracted with the method required holding time exceeded and was non-detect for these target compounds. The results of both extractions are reported.

Perfluorinated Alkyl Acids by Isotope Dilution
L2035276-11 and -12: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.
WG1404895-2: The Extracted Internal Standard M8FOSA is less than 10%; however, all target analytes are within LCS criteria, so no further action was taken.

Project Name:	100 UNION AVE	**Lab Number:**	L2035276
Project Number:	12.0076932.00	**Report Date:**	09/08/20

Case Narrative (continued)

Pesticides

L2035276-01: The sample has elevated detection limits due to the dilution required by the sample matrix.

Herbicides

L2035276-01: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

Total Metals

L2035276-01 through -12: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1404137-3 MS recoveries for aluminum (40%), calcium (1100%), copper (0%), iron (0%), lead (0%), magnesium (507%), manganese (2%), and zinc (0%), performed on L2035276-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1404137-3 MS recoveries, performed on L2035276-01, are outside the acceptance criteria for barium (50%), chromium (71%), and potassium (71%). A post digestion spike was performed and was within acceptance criteria.

The WG1404817-3 MS recovery for mercury (11100%), performed on L2035276-01, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1404137-4 Laboratory Duplicate RPDs for aluminum (41%), barium (66%), cadmium (41%), chromium (35%), cobalt (44%), copper (139%), iron (37%), lead (100%), magnesium (115%), potassium (22%), silver (50%), vanadium (43%), zinc (35%), and calcium (74%), performed on L2035276-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 09/08/20

ORGANICS

VOLATILES

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-01
Client ID: SP-7 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 09:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/20 12:10
Analyst: JC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	11		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.92	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	1.3		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.7	0.77	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-01
Client ID: SP-7 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 09:50
Date Received: 08/27/20
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	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.74	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	29		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	3.5	J	ug/kg	13	3.0	1
Vinyl acetate	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.25	1
p-Chlorotoluene	ND		ug/kg	2.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.3	0.86	1
Acrylonitrile	ND		ug/kg	5.3	1.5	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-01
Client ID: SP-7 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 09:50
Date Received: 08/27/20
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	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.44	1
1,4-Dioxane	ND		ug/kg	110	47.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.25	1
Ethyl ether	ND		ug/kg	2.7	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	102		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-02
Client ID: SP-7 (8-8.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/20 12:37
Analyst: JC
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	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	0.33	1
Tetrachloroethene	5.6		ug/kg	0.62	0.24	1
Chlorobenzene	ND		ug/kg	0.62	0.16	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.86	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.21	1
Bromodichloromethane	ND		ug/kg	0.62	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.62	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.62	0.20	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.20	1
Benzene	ND		ug/kg	0.62	0.20	1
Toluene	ND		ug/kg	1.2	0.67	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.5	0.72	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-02
Client ID: SP-7 (8-8.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.27	J	ug/kg	0.62	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.69	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	43		ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	8.1	J	ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.5	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.62	0.16	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.21	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.14	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.80	1
Acrylonitrile	ND		ug/kg	4.9	1.4	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-02
Client ID: SP-7 (8-8.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:00
Date Received: 08/27/20
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	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.41	1
1,4-Dioxane	ND		ug/kg	99	43.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	85		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-03
Client ID: SP-8 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:20
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/20 13:04
Analyst: JC
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	0.63		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.96	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	0.96	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	3.8	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	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-03
Client ID: SP-8 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:20
Date Received: 08/27/20
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	0.96	0.28	1
Xylenes, Total	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	ND		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	ND		ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.96	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	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	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	0.96	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-03
Client ID: SP-8 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:20
Date Received: 08/27/20
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	0.96	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	0.18	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	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-04
Client ID: SP-8 (7-7.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:40
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/20 13:31
Analyst: JC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.9	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.16	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	3.2		ug/kg	0.62	0.24	1
Chlorobenzene	ND		ug/kg	0.62	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.87	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.21	1
Bromodichloromethane	ND		ug/kg	0.62	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.62	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.62	0.20	1
Bromoform	ND		ug/kg	5.0	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.21	1
Benzene	ND		ug/kg	0.62	0.21	1
Toluene	ND		ug/kg	1.2	0.68	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.72	1
Vinyl chloride	ND		ug/kg	1.2	0.42	1
Chloroethane	ND		ug/kg	2.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-04
Client ID: SP-8 (7-7.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:40
Date Received: 08/27/20
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	0.62	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.70	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	11	J	ug/kg	12	6.0	1
Carbon disulfide	ND		ug/kg	12	5.7	1
2-Butanone	ND		ug/kg	12	2.8	1
Vinyl acetate	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	12	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.62	0.16	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.21	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.0	0.81	1
Acrylonitrile	ND		ug/kg	5.0	1.4	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-04
Client ID: SP-8 (7-7.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:40
Date Received: 08/27/20
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	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1
1,4-Dioxane	ND		ug/kg	100	44.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.48	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-05
Client ID: SP-8 (9-9.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:58
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/20 13:58
Analyst: JC
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	9.4	4.3	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.27	1
Chloroform	ND		ug/kg	2.8	0.26	1
Carbon tetrachloride	ND		ug/kg	1.9	0.43	1
1,2-Dichloropropane	ND		ug/kg	1.9	0.23	1
Dibromochloromethane	ND		ug/kg	1.9	0.26	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.50	1
Tetrachloroethene	ND		ug/kg	0.94	0.37	1
Chlorobenzene	ND		ug/kg	0.94	0.24	1
Trichlorofluoromethane	ND		ug/kg	7.5	1.3	1
1,2-Dichloroethane	ND		ug/kg	1.9	0.48	1
1,1,1-Trichloroethane	ND		ug/kg	0.94	0.31	1
Bromodichloromethane	ND		ug/kg	0.94	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.9	0.51	1
cis-1,3-Dichloropropene	ND		ug/kg	0.94	0.30	1
1,3-Dichloropropene, Total	ND		ug/kg	0.94	0.30	1
1,1-Dichloropropene	ND		ug/kg	0.94	0.30	1
Bromoform	ND		ug/kg	7.5	0.46	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.94	0.31	1
Benzene	ND		ug/kg	0.94	0.31	1
Toluene	ND		ug/kg	1.9	1.0	1
Ethylbenzene	ND		ug/kg	1.9	0.26	1
Chloromethane	ND		ug/kg	7.5	1.7	1
Bromomethane	ND		ug/kg	3.7	1.1	1
Vinyl chloride	ND		ug/kg	1.9	0.63	1
Chloroethane	ND		ug/kg	3.7	0.85	1
1,1-Dichloroethene	ND		ug/kg	1.9	0.45	1
trans-1,2-Dichloroethene	ND		ug/kg	2.8	0.26	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-05
Client ID: SP-8 (9-9.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:58
Date Received: 08/27/20
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	0.94	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	3.7	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	3.7	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	3.7	0.32	1
Methyl tert butyl ether	ND		ug/kg	3.7	0.38	1
p/m-Xylene	ND		ug/kg	3.7	1.0	1
o-Xylene	ND		ug/kg	1.9	0.54	1
Xylenes, Total	ND		ug/kg	1.9	0.54	1
cis-1,2-Dichloroethene	ND		ug/kg	1.9	0.33	1
1,2-Dichloroethene, Total	ND		ug/kg	1.9	0.26	1
Dibromomethane	ND		ug/kg	3.7	0.45	1
Styrene	ND		ug/kg	1.9	0.37	1
Dichlorodifluoromethane	ND		ug/kg	19	1.7	1
Acetone	110		ug/kg	19	9.0	1
Carbon disulfide	ND		ug/kg	19	8.5	1
2-Butanone	25		ug/kg	19	4.2	1
Vinyl acetate	ND		ug/kg	19	4.0	1
4-Methyl-2-pentanone	ND		ug/kg	19	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	3.7	0.24	1
2-Hexanone	ND		ug/kg	19	2.2	1
Bromochloromethane	ND		ug/kg	3.7	0.38	1
2,2-Dichloropropane	ND		ug/kg	3.7	0.38	1
1,2-Dibromoethane	ND		ug/kg	1.9	0.52	1
1,3-Dichloropropane	ND		ug/kg	3.7	0.31	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.94	0.25	1
Bromobenzene	ND		ug/kg	3.7	0.27	1
n-Butylbenzene	ND		ug/kg	1.9	0.31	1
sec-Butylbenzene	ND		ug/kg	1.9	0.27	1
tert-Butylbenzene	ND		ug/kg	3.7	0.22	1
o-Chlorotoluene	ND		ug/kg	3.7	0.36	1
p-Chlorotoluene	ND		ug/kg	3.7	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	1.9	1
Hexachlorobutadiene	ND		ug/kg	7.5	0.32	1
Isopropylbenzene	ND		ug/kg	1.9	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.9	0.20	1
Naphthalene	ND		ug/kg	7.5	1.2	1
Acrylonitrile	ND		ug/kg	7.5	2.2	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-05
Client ID: SP-8 (9-9.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:58
Date Received: 08/27/20
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	1.9	0.32	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.7	0.60	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.7	0.51	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.7	0.36	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.7	0.63	1
1,4-Dioxane	ND		ug/kg	150	66.	1
p-Diethylbenzene	ND		ug/kg	3.7	0.33	1
p-Ethyltoluene	ND		ug/kg	3.7	0.72	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.36	1
Ethyl ether	ND		ug/kg	3.7	0.64	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.4	2.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	103		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-06
Client ID: SP-9 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 12:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/02/20 07:45
Analyst: MV
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.0	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	ND		ug/kg	0.70	0.27	1
Chlorobenzene	ND		ug/kg	0.70	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.97	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.70	0.23	1
Bromodichloromethane	ND		ug/kg	0.70	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.70	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.70	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.70	0.22	1
Bromoform	ND		ug/kg	5.6	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.70	0.23	1
Benzene	ND		ug/kg	0.70	0.23	1
Toluene	ND		ug/kg	1.4	0.76	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.6	1.3	1
Bromomethane	ND		ug/kg	2.8	0.81	1
Vinyl chloride	ND		ug/kg	1.4	0.47	1
Chloroethane	ND		ug/kg	2.8	0.63	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-06
Client ID: SP-9 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 12:30
Date Received: 08/27/20
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	0.70	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.78	1
o-Xylene	ND		ug/kg	1.4	0.41	1
Xylenes, Total	ND		ug/kg	1.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.8	0.33	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.7	1
Carbon disulfide	ND		ug/kg	14	6.4	1
2-Butanone	ND		ug/kg	14	3.1	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.29	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.39	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.70	0.18	1
Bromobenzene	ND		ug/kg	2.8	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
o-Chlorotoluene	ND		ug/kg	2.8	0.27	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.24	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.6	0.91	1
Acrylonitrile	ND		ug/kg	5.6	1.6	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-06
Client ID: SP-9 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 12:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.47	1
1,4-Dioxane	ND		ug/kg	110	49.	1
p-Diethylbenzene	ND		ug/kg	2.8	0.25	1
p-Ethyltoluene	ND		ug/kg	2.8	0.54	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.8	0.27	1
Ethyl ether	ND		ug/kg	2.8	0.48	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.0	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	102		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-07
Client ID: SP-9 (6.5-7.0')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 12:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/20 14:53
Analyst: AD
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	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	0.26	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	0.69	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	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	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	0.33	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-07
Client ID: SP-9 (6.5-7.0')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 12:50
Date Received: 08/27/20
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	0.50	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	0.17	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	0.91	1
Acetone	ND		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.5	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.1	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	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.99	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	1.1	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-07
Client ID: SP-9 (6.5-7.0')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 12:50
Date Received: 08/27/20
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	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-08
Client ID: MW-2A (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 13:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/20 15:20
Analyst: MKS
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.7	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	ND		ug/kg	0.67	0.26	1
Chlorobenzene	ND		ug/kg	0.67	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.93	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.67	0.22	1
Bromodichloromethane	ND		ug/kg	0.67	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.67	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.67	0.21	1
Bromoform	ND		ug/kg	5.3	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.22	1
Benzene	ND		ug/kg	0.67	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.7	0.77	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-08
Client ID: MW-2A (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 13:30
Date Received: 08/27/20
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	0.67	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.75	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	ND		ug/kg	13	3.0	1
Vinyl acetate	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.67	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.25	1
p-Chlorotoluene	ND		ug/kg	2.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.3	0.87	1
Acrylonitrile	ND		ug/kg	5.3	1.5	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-08
Client ID: MW-2A (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 13:30
Date Received: 08/27/20
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	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.44	1
1,4-Dioxane	ND		ug/kg	110	47.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.25	1
Ethyl ether	ND		ug/kg	2.7	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-09
Client ID: SP-10 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 14:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/20 15:47
Analyst: MKS
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	9.4	4.3	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.27	1
Chloroform	ND		ug/kg	2.8	0.26	1
Carbon tetrachloride	ND		ug/kg	1.9	0.43	1
1,2-Dichloropropane	ND		ug/kg	1.9	0.23	1
Dibromochloromethane	ND		ug/kg	1.9	0.26	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.50	1
Tetrachloroethene	ND		ug/kg	0.94	0.37	1
Chlorobenzene	ND		ug/kg	0.94	0.24	1
Trichlorofluoromethane	ND		ug/kg	7.5	1.3	1
1,2-Dichloroethane	ND		ug/kg	1.9	0.48	1
1,1,1-Trichloroethane	ND		ug/kg	0.94	0.31	1
Bromodichloromethane	ND		ug/kg	0.94	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.9	0.51	1
cis-1,3-Dichloropropene	ND		ug/kg	0.94	0.30	1
1,3-Dichloropropene, Total	ND		ug/kg	0.94	0.30	1
1,1-Dichloropropene	ND		ug/kg	0.94	0.30	1
Bromoform	ND		ug/kg	7.5	0.46	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.94	0.31	1
Benzene	ND		ug/kg	0.94	0.31	1
Toluene	ND		ug/kg	1.9	1.0	1
Ethylbenzene	ND		ug/kg	1.9	0.26	1
Chloromethane	ND		ug/kg	7.5	1.7	1
Bromomethane	ND		ug/kg	3.7	1.1	1
Vinyl chloride	ND		ug/kg	1.9	0.63	1
Chloroethane	ND		ug/kg	3.7	0.85	1
1,1-Dichloroethene	ND		ug/kg	1.9	0.44	1
trans-1,2-Dichloroethene	ND		ug/kg	2.8	0.26	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-09
Client ID: SP-10 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 14:50
Date Received: 08/27/20
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	0.94	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	3.7	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	3.7	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	3.7	0.32	1
Methyl tert butyl ether	ND		ug/kg	3.7	0.38	1
p/m-Xylene	ND		ug/kg	3.7	1.0	1
o-Xylene	ND		ug/kg	1.9	0.54	1
Xylenes, Total	ND		ug/kg	1.9	0.54	1
cis-1,2-Dichloroethene	ND		ug/kg	1.9	0.33	1
1,2-Dichloroethene, Total	ND		ug/kg	1.9	0.26	1
Dibromomethane	ND		ug/kg	3.7	0.44	1
Styrene	ND		ug/kg	1.9	0.37	1
Dichlorodifluoromethane	ND		ug/kg	19	1.7	1
Acetone	ND		ug/kg	19	9.0	1
Carbon disulfide	ND		ug/kg	19	8.5	1
2-Butanone	ND		ug/kg	19	4.2	1
Vinyl acetate	ND		ug/kg	19	4.0	1
4-Methyl-2-pentanone	ND		ug/kg	19	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	3.7	0.24	1
2-Hexanone	ND		ug/kg	19	2.2	1
Bromochloromethane	ND		ug/kg	3.7	0.38	1
2,2-Dichloropropane	ND		ug/kg	3.7	0.38	1
1,2-Dibromoethane	ND		ug/kg	1.9	0.52	1
1,3-Dichloropropane	ND		ug/kg	3.7	0.31	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.94	0.25	1
Bromobenzene	ND		ug/kg	3.7	0.27	1
n-Butylbenzene	ND		ug/kg	1.9	0.31	1
sec-Butylbenzene	ND		ug/kg	1.9	0.27	1
tert-Butylbenzene	ND		ug/kg	3.7	0.22	1
o-Chlorotoluene	ND		ug/kg	3.7	0.36	1
p-Chlorotoluene	ND		ug/kg	3.7	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	1.9	1
Hexachlorobutadiene	ND		ug/kg	7.5	0.32	1
Isopropylbenzene	ND		ug/kg	1.9	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.9	0.20	1
Naphthalene	ND		ug/kg	7.5	1.2	1
Acrylonitrile	ND		ug/kg	7.5	2.2	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-09
Client ID: SP-10 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 14:50
Date Received: 08/27/20
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	1.9	0.32	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.7	0.60	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.7	0.51	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.7	0.36	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.7	0.62	1
1,4-Dioxane	ND		ug/kg	150	66.	1
p-Diethylbenzene	ND		ug/kg	3.7	0.33	1
p-Ethyltoluene	ND		ug/kg	3.7	0.72	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.36	1
Ethyl ether	ND		ug/kg	3.7	0.64	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.4	2.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	105		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-10
Client ID: SP-10 (7.5-8')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/20 16:14
Analyst: MKS
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	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	0.21	J	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-10
Client ID: SP-10 (7.5-8')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:30
Date Received: 08/27/20
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	0.19	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	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.2	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	2.3	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-10
Client ID: SP-10 (7.5-8')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:30
Date Received: 08/27/20
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	0.36	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	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-11
Client ID: SP-10 (9.5-10')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:15
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/20 16:42
Analyst: MKS
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.5	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.65	0.26	1
Chlorobenzene	ND		ug/kg	0.65	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.91	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.65	0.22	1
Bromodichloromethane	ND		ug/kg	0.65	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.65	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.65	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.65	0.21	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.65	0.22	1
Benzene	ND		ug/kg	0.65	0.22	1
Toluene	ND		ug/kg	1.3	0.71	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.76	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.59	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-11
Client ID: SP-10 (9.5-10')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:15
Date Received: 08/27/20
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	0.65	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.73	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.3	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.65	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.2	0.85	1
Acrylonitrile	ND		ug/kg	5.2	1.5	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-11
Client ID: SP-10 (9.5-10')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:15
Date Received: 08/27/20
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	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
1,4-Dioxane	ND		ug/kg	100	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.50	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.5	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-12
Client ID: 20200826DUP
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:18
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/20 17:09
Analyst: MKS
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.5	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	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.18	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.18	1
Benzene	ND		ug/kg	0.56	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	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	1.7	0.15	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-12
Client ID: 20200826DUP
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:18
Date Received: 08/27/20
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	0.56	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	0.62	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	0.63	J	ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	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	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	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	0.56	0.15	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	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-12
Client ID: 20200826DUP
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:18
Date Received: 08/27/20
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	0.36	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	89	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-13
Client ID: 20200826EB
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 16:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8260C
Analytical Date: 09/01/20 15:19
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-13
Client ID: 20200826EB
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 16:00
Date Received: 08/27/20
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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-13
Client ID: 20200826EB
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 16:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/01/20 10:21
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-05,07-12 Batch: WG1405304-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/01/20 10:21
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-05,07-12 Batch: WG1405304-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/01/20 10:21
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-05,07-12 Batch: WG1405304-5					
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	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/01/20 09:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1405387-5					
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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/01/20 09:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1405387-5					
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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/01/20 09:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1405387-5					
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	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/20 07:18
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06 Batch: WG1405578-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/20 07:18
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06 Batch: WG1405578-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/20 07:18
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06 Batch: WG1405578-5					
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	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05,07-12 Batch: WG1405304-3 WG1405304-4								
Methylene chloride	103		104		70-130	1		30
1,1-Dichloroethane	109		96		70-130	13		30
Chloroform	97		96		70-130	1		30
Carbon tetrachloride	104		101		70-130	3		30
1,2-Dichloropropane	98		96		70-130	2		30
Dibromochloromethane	97		96		70-130	1		30
1,1,2-Trichloroethane	96		94		70-130	2		30
Tetrachloroethene	100		98		70-130	2		30
Chlorobenzene	96		94		70-130	2		30
Trichlorofluoromethane	74		74		70-139	0		30
1,2-Dichloroethane	96		95		70-130	1		30
1,1,1-Trichloroethane	100		96		70-130	4		30
Bromodichloromethane	100		97		70-130	3		30
trans-1,3-Dichloropropene	99		99		70-130	0		30
cis-1,3-Dichloropropene	103		101		70-130	2		30
1,1-Dichloropropene	102		98		70-130	4		30
Bromoform	94		95		70-130	1		30
1,1,2,2-Tetrachloroethane	93		95		70-130	2		30
Benzene	101		98		70-130	3		30
Toluene	98		97		70-130	1		30
Ethylbenzene	102		99		70-130	3		30
Chloromethane	92		87		52-130	6		30
Bromomethane	86		85		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05,07-12 Batch: WG1405304-3 WG1405304-4								
Vinyl chloride	85		84		67-130	1		30
Chloroethane	76		77		50-151	1		30
1,1-Dichloroethene	78		77		65-135	1		30
trans-1,2-Dichloroethene	111		113		70-130	2		30
Trichloroethene	101		98		70-130	3		30
1,2-Dichlorobenzene	95		95		70-130	0		30
1,3-Dichlorobenzene	98		98		70-130	0		30
1,4-Dichlorobenzene	96		97		70-130	1		30
Methyl tert butyl ether	110		114		66-130	4		30
p/m-Xylene	104		100		70-130	4		30
o-Xylene	103		100		70-130	3		30
cis-1,2-Dichloroethene	97		96		70-130	1		30
Dibromomethane	98		96		70-130	2		30
Styrene	96		94		70-130	2		30
Dichlorodifluoromethane	74		71		30-146	4		30
Acetone	113		117		54-140	3		30
Carbon disulfide	71		72		59-130	1		30
2-Butanone	93		96		70-130	3		30
Vinyl acetate	104		106		70-130	2		30
4-Methyl-2-pentanone	93		96		70-130	3		30
1,2,3-Trichloropropane	87		93		68-130	7		30
2-Hexanone	94		97		70-130	3		30
Bromochloromethane	100		96		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05,07-12 Batch: WG1405304-3 WG1405304-4								
2,2-Dichloropropane	105		101		70-130	4		30
1,2-Dibromoethane	95		96		70-130	1		30
1,3-Dichloropropane	94		93		69-130	1		30
1,1,1,2-Tetrachloroethane	97		96		70-130	1		30
Bromobenzene	94		94		70-130	0		30
n-Butylbenzene	105		104		70-130	1		30
sec-Butylbenzene	102		102		70-130	0		30
tert-Butylbenzene	102		101		70-130	1		30
o-Chlorotoluene	99		100		70-130	1		30
p-Chlorotoluene	100		99		70-130	1		30
1,2-Dibromo-3-chloropropane	88		93		68-130	6		30
Hexachlorobutadiene	97		97		67-130	0		30
Isopropylbenzene	99		99		70-130	0		30
p-Isopropyltoluene	104		103		70-130	1		30
Naphthalene	98		100		70-130	2		30
Acrylonitrile	103		95		70-130	8		30
n-Propylbenzene	100		100		70-130	0		30
1,2,3-Trichlorobenzene	96		96		70-130	0		30
1,2,4-Trichlorobenzene	100		99		70-130	1		30
1,3,5-Trimethylbenzene	100		99		70-130	1		30
1,2,4-Trimethylbenzene	102		102		70-130	0		30
1,4-Dioxane	88		92		65-136	4		30
p-Diethylbenzene	105		104		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05,07-12 Batch: WG1405304-3 WG1405304-4								
p-Ethyltoluene	101		102		70-130	1		30
1,2,4,5-Tetramethylbenzene	104		104		70-130	0		30
Ethyl ether	74		76		67-130	3		30
trans-1,4-Dichloro-2-butene	92		95		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	97		100		70-130
Dibromofluoromethane	100		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1405387-3 WG1405387-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	94		93		63-132	1		20
1,2-Dichloropropane	98		99		70-130	1		20
Dibromochloromethane	97		96		63-130	1		20
1,1,2-Trichloroethane	98		98		70-130	0		20
Tetrachloroethene	90		90		70-130	0		20
Chlorobenzene	99		98		75-130	1		20
Trichlorofluoromethane	94		91		62-150	3		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	98		96		67-130	2		20
Bromodichloromethane	99		97		67-130	2		20
trans-1,3-Dichloropropene	94		93		70-130	1		20
cis-1,3-Dichloropropene	96		96		70-130	0		20
1,1-Dichloropropene	96		95		70-130	1		20
Bromoform	89		86		54-136	3		20
1,1,2,2-Tetrachloroethane	100		96		67-130	4		20
Benzene	100		99		70-130	1		20
Toluene	97		95		70-130	2		20
Ethylbenzene	98		97		70-130	1		20
Chloromethane	90		90		64-130	0		20
Bromomethane	85		85		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1405387-3 WG1405387-4								
Vinyl chloride	96		94		55-140	2		20
Chloroethane	100		99		55-138	1		20
1,1-Dichloroethene	96		96		61-145	0		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	96		94		70-130	2		20
1,2-Dichlorobenzene	99		97		70-130	2		20
1,3-Dichlorobenzene	99		97		70-130	2		20
1,4-Dichlorobenzene	100		96		70-130	4		20
Methyl tert butyl ether	100		99		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		97		70-130	3		20
1,2,3-Trichloropropane	97		95		64-130	2		20
Acrylonitrile	100		100		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	81		80		36-147	1		20
Acetone	99		97		58-148	2		20
Carbon disulfide	95		94		51-130	1		20
2-Butanone	100		99		63-138	1		20
Vinyl acetate	98		95		70-130	3		20
4-Methyl-2-pentanone	91		93		59-130	2		20
2-Hexanone	96		96		57-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1405387-3 WG1405387-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	99		97		70-130	2		20
1,3-Dichloropropane	98		98		70-130	0		20
1,1,1,2-Tetrachloroethane	96		96		64-130	0		20
Bromobenzene	96		94		70-130	2		20
n-Butylbenzene	98		96		53-136	2		20
sec-Butylbenzene	99		94		70-130	5		20
tert-Butylbenzene	95		92		70-130	3		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	100		97		70-130	3		20
1,2-Dibromo-3-chloropropane	93		91		41-144	2		20
Hexachlorobutadiene	91		88		63-130	3		20
Isopropylbenzene	97		94		70-130	3		20
p-Isopropyltoluene	98		94		70-130	4		20
Naphthalene	100		96		70-130	4		20
n-Propylbenzene	100		95		69-130	5		20
1,2,3-Trichlorobenzene	96		91		70-130	5		20
1,2,4-Trichlorobenzene	98		92		70-130	6		20
1,3,5-Trimethylbenzene	97		95		64-130	2		20
1,2,4-Trimethylbenzene	100		95		70-130	5		20
1,4-Dioxane	116		116		56-162	0		20
p-Diethylbenzene	95		91		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1405387-3 WG1405387-4								
p-Ethyltoluene	100		96		70-130	4		20
1,2,4,5-Tetramethylbenzene	98		95		70-130	3		20
Ethyl ether	97		96		59-134	1		20
trans-1,4-Dichloro-2-butene	97		92		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		93		70-130
Toluene-d8	99		101		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1405578-3 WG1405578-4								
Methylene chloride	111		109		70-130	2		30
1,1-Dichloroethane	102		101		70-130	1		30
Chloroform	101		100		70-130	1		30
Carbon tetrachloride	110		107		70-130	3		30
1,2-Dichloropropane	101		102		70-130	1		30
Dibromochloromethane	100		100		70-130	0		30
1,1,2-Trichloroethane	100		101		70-130	1		30
Tetrachloroethene	101		103		70-130	2		30
Chlorobenzene	96		98		70-130	2		30
Trichlorofluoromethane	87		83		70-139	5		30
1,2-Dichloroethane	99		99		70-130	0		30
1,1,1-Trichloroethane	102		101		70-130	1		30
Bromodichloromethane	102		101		70-130	1		30
trans-1,3-Dichloropropene	103		104		70-130	1		30
cis-1,3-Dichloropropene	108		106		70-130	2		30
1,1-Dichloropropene	104		103		70-130	1		30
Bromoform	98		98		70-130	0		30
1,1,2,2-Tetrachloroethane	101		100		70-130	1		30
Benzene	102		101		70-130	1		30
Toluene	99		99		70-130	0		30
Ethylbenzene	104		103		70-130	1		30
Chloromethane	93		92		52-130	1		30
Bromomethane	84		82		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1405578-3 WG1405578-4								
Vinyl chloride	91		88		67-130	3		30
Chloroethane	87		83		50-151	5		30
1,1-Dichloroethene	84		81		65-135	4		30
trans-1,2-Dichloroethene	102		100		70-130	2		30
Trichloroethene	103		102		70-130	1		30
1,2-Dichlorobenzene	98		98		70-130	0		30
1,3-Dichlorobenzene	100		99		70-130	1		30
1,4-Dichlorobenzene	99		98		70-130	1		30
Methyl tert butyl ether	100		102		66-130	2		30
p/m-Xylene	105		104		70-130	1		30
o-Xylene	104		104		70-130	0		30
cis-1,2-Dichloroethene	100		98		70-130	2		30
Dibromomethane	101		101		70-130	0		30
Styrene	98		98		70-130	0		30
Dichlorodifluoromethane	80		80		30-146	0		30
Acetone	126		**144**	Q	54-140	13		30
Carbon disulfide	78		76		59-130	3		30
2-Butanone	108		108		70-130	0		30
Vinyl acetate	116		116		70-130	0		30
4-Methyl-2-pentanone	105		106		70-130	1		30
1,2,3-Trichloropropane	98		99		68-130	1		30
2-Hexanone	110		114		70-130	4		30
Bromochloromethane	101		99		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1405578-3 WG1405578-4								
2,2-Dichloropropane	106		106		70-130	0		30
1,2-Dibromoethane	100		101		70-130	1		30
1,3-Dichloropropane	99		100		69-130	1		30
1,1,1,2-Tetrachloroethane	100		100		70-130	0		30
Bromobenzene	96		95		70-130	1		30
n-Butylbenzene	107		106		70-130	1		30
sec-Butylbenzene	103		102		70-130	1		30
tert-Butylbenzene	102		102		70-130	0		30
o-Chlorotoluene	101		100		70-130	1		30
p-Chlorotoluene	101		102		70-130	1		30
1,2-Dibromo-3-chloropropane	101		100		68-130	1		30
Hexachlorobutadiene	99		99		67-130	0		30
Isopropylbenzene	99		99		70-130	0		30
p-Isopropyltoluene	105		104		70-130	1		30
Naphthalene	106		106		70-130	0		30
Acrylonitrile	105		107		70-130	2		30
n-Propylbenzene	102		101		70-130	1		30
1,2,3-Trichlorobenzene	100		99		70-130	1		30
1,2,4-Trichlorobenzene	102		102		70-130	0		30
1,3,5-Trimethylbenzene	101		100		70-130	1		30
1,2,4-Trimethylbenzene	103		103		70-130	0		30
1,4-Dioxane	103		103		65-136	0		30
p-Diethylbenzene	106		105		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1405578-3 WG1405578-4								
p-Ethyltoluene	102		102		70-130	0		30
1,2,4,5-Tetramethylbenzene	105		105		70-130	0		30
Ethyl ether	82		82		67-130	0		30
trans-1,4-Dichloro-2-butene	101		102		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		100		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	99		96		70-130
Dibromofluoromethane	96		95		70-130

SEMIVOLATILES

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-01 D
Client ID: SP-7 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 09:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/02/20 10:13
Analyst: IM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 23:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	300	39.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	43.	2
Hexachlorobenzene	ND		ug/kg	230	42.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	52.	2
2-Chloronaphthalene	ND		ug/kg	380	38.	2
1,2-Dichlorobenzene	ND		ug/kg	380	68.	2
1,3-Dichlorobenzene	ND		ug/kg	380	65.	2
1,4-Dichlorobenzene	ND		ug/kg	380	66.	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	76.	2
2,6-Dinitrotoluene	ND		ug/kg	380	65.	2
Fluoranthene	440		ug/kg	230	44.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	41.	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	58.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	65.	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	38.	2
Hexachlorobutadiene	ND		ug/kg	380	56.	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	340	2
Hexachloroethane	ND		ug/kg	300	62.	2
Isophorone	ND		ug/kg	340	49.	2
Naphthalene	ND		ug/kg	380	46.	2
Nitrobenzene	ND		ug/kg	340	56.	2
NDPA/DPA	ND		ug/kg	300	43.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	59.	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	380	130	2
Butyl benzyl phthalate	9700		ug/kg	380	96.	2
Di-n-butylphthalate	ND		ug/kg	380	72.	2
Di-n-octylphthalate	ND		ug/kg	380	130	2

Project Name: 100 UNION AVE **Lab Number:** L2035276

Project Number: 12.0076932.00 **Report Date:** 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-01 D Date Collected: 08/26/20 09:50
Client ID: SP-7 (0-2') Date Received: 08/27/20
Sample Location: BROOKLYN, 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	380	35.	2
Dimethyl phthalate	ND		ug/kg	380	80.	2
Benzo(a)anthracene	220	J	ug/kg	230	43.	2
Benzo(a)pyrene	190	J	ug/kg	300	93.	2
Benzo(b)fluoranthene	240		ug/kg	230	64.	2
Benzo(k)fluoranthene	120	J	ug/kg	230	61.	2
Chrysene	200	J	ug/kg	230	40.	2
Acenaphthylene	ND		ug/kg	300	59.	2
Anthracene	ND		ug/kg	230	74.	2
Benzo(ghi)perylene	120	J	ug/kg	300	45.	2
Fluorene	ND		ug/kg	380	37.	2
Phenanthrene	330		ug/kg	230	46.	2
Dibenzo(a,h)anthracene	ND		ug/kg	230	44.	2
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	300	53.	2
Pyrene	400		ug/kg	230	38.	2
Biphenyl	ND		ug/kg	870	88.	2
4-Chloroaniline	ND		ug/kg	380	69.	2
2-Nitroaniline	ND		ug/kg	380	73.	2
3-Nitroaniline	ND		ug/kg	380	72.	2
4-Nitroaniline	ND		ug/kg	380	160	2
Dibenzofuran	ND		ug/kg	380	36.	2
2-Methylnaphthalene	ND		ug/kg	460	46.	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	40.	2
Acetophenone	ND		ug/kg	380	47.	2
2,4,6-Trichlorophenol	ND		ug/kg	230	72.	2
p-Chloro-m-cresol	ND		ug/kg	380	57.	2
2-Chlorophenol	ND		ug/kg	380	45.	2
2,4-Dichlorophenol	ND		ug/kg	340	61.	2
2,4-Dimethylphenol	ND		ug/kg	380	120	2
2-Nitrophenol	ND		ug/kg	820	140	2
4-Nitrophenol	ND		ug/kg	530	160	2
2,4-Dinitrophenol	ND		ug/kg	1800	180	2
4,6-Dinitro-o-cresol	ND		ug/kg	990	180	2
Pentachlorophenol	ND		ug/kg	300	84.	2
Phenol	ND		ug/kg	380	57.	2
2-Methylphenol	ND		ug/kg	380	59.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	550	60.	2

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-01 D
Client ID: SP-7 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 09:50
Date Received: 08/27/20
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	380	73.	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	ND		ug/kg	380	37.	2
1,4-Dioxane	ND		ug/kg	57	17.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**22**	Q	25-120
Phenol-d6	37		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	10		10-136
4-Terphenyl-d14	37		18-120

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-02
Client ID: SP-7 (8-8.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/20 18:22
Analyst: JRW
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 23:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	21	J	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	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	190		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	66.	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-02
Client ID: SP-7 (8-8.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:00
Date Received: 08/27/20
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	41.	1
Benzo(a)anthracene	100	J	ug/kg	120	22.	1
Benzo(a)pyrene	100	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	120		ug/kg	120	33.	1
Benzo(k)fluoranthene	31	J	ug/kg	120	31.	1
Chrysene	89	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	42	J	ug/kg	120	38.	1
Benzo(ghi)perylene	65	J	ug/kg	160	23.	1
Fluorene	21	J	ug/kg	200	19.	1
Phenanthrene	160		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	65	J	ug/kg	160	27.	1
Pyrene	170		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	ND		ug/kg	200	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	200	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	90	J	ug/kg	280	30.	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-02
Client ID: SP-7 (8-8.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:00
Date Received: 08/27/20
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	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	19	J	ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**3**	Q	25-120
Phenol-d6	20		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	48		30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	37		18-120

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-02 RE
Client ID: SP-7 (8-8.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/02/20 17:04
Analyst: IM
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 23:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	23	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	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	230		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	180	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	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	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: 100 UNION AVE **Lab Number:** L2035276

Project Number: 12.0076932.00 **Report Date:** 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-02 RE
Client ID: SP-7 (8-8.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:00
Date Received: 08/27/20
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	41.	1
Benzo(a)anthracene	130		ug/kg	120	22.	1
Benzo(a)pyrene	130	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	150		ug/kg	120	33.	1
Benzo(k)fluoranthene	45	J	ug/kg	120	31.	1
Chrysene	120		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	52	J	ug/kg	120	38.	1
Benzo(ghi)perylene	74	J	ug/kg	150	23.	1
Fluorene	28	J	ug/kg	190	19.	1
Phenanthrene	180		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	69	J	ug/kg	150	27.	1
Pyrene	210		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	18	J	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	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	150	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	190	J	ug/kg	280	30.	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-02 RE
Client ID: SP-7 (8-8.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:00
Date Received: 08/27/20
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	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	25	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**7**	Q	25-120
Phenol-d6	40		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	66		18-120

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-03
Client ID: SP-8 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:20
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/20 19:15
Analyst: IM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 23:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	23	J	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	280		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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-03
Client ID: SP-8 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:20
Date Received: 08/27/20
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	130		ug/kg	100	19.	1
Benzo(a)pyrene	110	J	ug/kg	140	42.	1
Benzo(b)fluoranthene	140		ug/kg	100	29.	1
Benzo(k)fluoranthene	53	J	ug/kg	100	28.	1
Chrysene	120		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	44	J	ug/kg	100	34.	1
Benzo(ghi)perylene	78	J	ug/kg	140	20.	1
Fluorene	18	J	ug/kg	170	17.	1
Phenanthrene	220		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	67	J	ug/kg	140	24.	1
Pyrene	250		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	81.	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-03
Client ID: SP-8 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:20
Date Received: 08/27/20
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	25	J	ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	49		10-136
4-Terphenyl-d14	56		18-120

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-04
Client ID: SP-8 (7-7.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:40
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/20 06:12
Analyst: JG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 23:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	59	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	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	32.	1
Fluoranthene	780		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	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	32	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	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	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 100 UNION AVE **Lab Number:** L2035276

Project Number: 12.0076932.00 **Report Date:** 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-04 Date Collected: 08/26/20 10:40

Client ID: SP-8 (7-7.5') Date Received: 08/27/20

Sample Location: BROOKLYN, 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	380		ug/kg	110	21.	1
Benzo(a)pyrene	300		ug/kg	150	45.	1
Benzo(b)fluoranthene	430		ug/kg	110	31.	1
Benzo(k)fluoranthene	110		ug/kg	110	30.	1
Chrysene	320		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	120		ug/kg	110	36.	1
Benzo(ghi)perylene	160		ug/kg	150	22.	1
Fluorene	51	J	ug/kg	180	18.	1
Phenanthrene	670		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	44	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	170		ug/kg	150	26.	1
Pyrene	680		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	31	J	ug/kg	180	18.	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	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-04
Client ID: SP-8 (7-7.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:40
Date Received: 08/27/20
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	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	59	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	41		10-136
4-Terphenyl-d14	54		18-120

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-05
Client ID: SP-8 (9-9.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:58
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/20 11:49
Analyst: WR
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 23:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	39.	1
1,3-Dichlorobenzene	ND		ug/kg	220	38.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	ND		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	28.	1
Naphthalene	ND		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	76.	1
Butyl benzyl phthalate	ND		ug/kg	220	55.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	75.	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-05
Client ID: SP-8 (9-9.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:58
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	ND		ug/kg	130	25.	1
Benzo(a)pyrene	ND		ug/kg	180	54.	1
Benzo(b)fluoranthene	ND		ug/kg	130	37.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	ND		ug/kg	130	43.	1
Benzo(ghi)perylene	ND		ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	31.	1
Pyrene	ND		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	500	51.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	91.	1
Dibenzofuran	ND		ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	72.	1
2-Nitrophenol	ND		ug/kg	470	83.	1
4-Nitrophenol	ND		ug/kg	310	90.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	130	J	ug/kg	320	34.	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-05
Client ID: SP-8 (9-9.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:58
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Benzoic Acid	ND		ug/kg	710	220	1
Benzyl Alcohol	ND		ug/kg	220	67.	1
Carbazole	ND		ug/kg	220	21.	1
1,4-Dioxane	ND		ug/kg	33	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	42		18-120

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-06
Client ID: SP-9 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 12:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/20 21:46
Analyst: JRW
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 23:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	J	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	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	2100		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	74	J	ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-06
Client ID: SP-9 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 12:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	1100		ug/kg	100	20.	1
Benzo(a)pyrene	1300		ug/kg	140	43.	1
Benzo(b)fluoranthene	1600		ug/kg	100	30.	1
Benzo(k)fluoranthene	560		ug/kg	100	28.	1
Chrysene	1100		ug/kg	100	18.	1
Acenaphthylene	66	J	ug/kg	140	27.	1
Anthracene	370		ug/kg	100	34.	1
Benzo(ghi)perylene	900		ug/kg	140	21.	1
Fluorene	110	J	ug/kg	180	17.	1
Phenanthrene	1400		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	200		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	910		ug/kg	140	24.	1
Pyrene	1900		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	74	J	ug/kg	180	16.	1
2-Methylnaphthalene	82	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-06
Client ID: SP-9 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 12:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	160	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	46		10-136
4-Terphenyl-d14	44		18-120

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-07
Client ID: SP-9 (6.5-7.0')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 12:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/20 17:23
Analyst: IM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 23:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	34	J	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	900		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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-07
Client ID: SP-9 (6.5-7.0')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 12:50
Date Received: 08/27/20
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	250		ug/kg	110	21.	1
Benzo(a)pyrene	260		ug/kg	150	46.	1
Benzo(b)fluoranthene	390		ug/kg	110	32.	1
Benzo(k)fluoranthene	160		ug/kg	110	30.	1
Chrysene	360		ug/kg	110	20.	1
Acenaphthylene	63	J	ug/kg	150	29.	1
Anthracene	110		ug/kg	110	37.	1
Benzo(ghi)perylene	160		ug/kg	150	22.	1
Fluorene	48	J	ug/kg	190	18.	1
Phenanthrene	760		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	34	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	170		ug/kg	150	26.	1
Pyrene	670		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	37	J	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-07
Client ID: SP-9 (6.5-7.0')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 12:50
Date Received: 08/27/20
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	73	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	61		18-120

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-08
Client ID: MW-2A (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 13:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/20 22:08
Analyst: JRW
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 23:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	870		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	5100		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	140	J	ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-08
Client ID: MW-2A (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 13:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	2800		ug/kg	120	23.	1
Benzo(a)pyrene	2100		ug/kg	160	50.	1
Benzo(b)fluoranthene	2400		ug/kg	120	34.	1
Benzo(k)fluoranthene	850		ug/kg	120	32.	1
Chrysene	2400		ug/kg	120	21.	1
Acenaphthylene	54	J	ug/kg	160	31.	1
Anthracene	1800		ug/kg	120	40.	1
Benzo(ghi)perylene	880		ug/kg	160	24.	1
Fluorene	820		ug/kg	200	20.	1
Phenanthrene	5900		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	300		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	160	28.	1
Pyrene	4200		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	440		ug/kg	200	19.	1
2-Methylnaphthalene	180	J	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	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	980	95.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-08
Client ID: MW-2A (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 13:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	620		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		25-120
Phenol-d6	34		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	53		10-136
4-Terphenyl-d14	48		18-120

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-09
Client ID: SP-10 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 14:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/20 22:31
Analyst: JRW
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 23:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	200		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	4800		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	180		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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-09
Client ID: SP-10 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 14:50
Date Received: 08/27/20
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	2600		ug/kg	100	19.	1
Benzo(a)pyrene	2800		ug/kg	140	42.	1
Benzo(b)fluoranthene	3600		ug/kg	100	29.	1
Benzo(k)fluoranthene	1200		ug/kg	100	28.	1
Chrysene	2600		ug/kg	100	18.	1
Acenaphthylene	270		ug/kg	140	27.	1
Anthracene	570		ug/kg	100	34.	1
Benzo(ghi)perylene	1600		ug/kg	140	20.	1
Fluorene	200		ug/kg	170	17.	1
Phenanthrene	2900		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	440		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	1800		ug/kg	140	24.	1
Pyrene	3900		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	72.	1
Dibenzofuran	140	J	ug/kg	170	16.	1
2-Methylnaphthalene	190	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	830	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-09
Client ID: SP-10 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 14:50
Date Received: 08/27/20
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	300		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	40		10-136
4-Terphenyl-d14	46		18-120

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-10
Client ID: SP-10 (7.5-8')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/20 22:54
Analyst: JRW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 23:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	280		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	1200		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	100	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-10
Client ID: SP-10 (7.5-8')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:30
Date Received: 08/27/20
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	660		ug/kg	110	20.	1
Benzo(a)pyrene	540		ug/kg	150	45.	1
Benzo(b)fluoranthene	600		ug/kg	110	31.	1
Benzo(k)fluoranthene	210		ug/kg	110	29.	1
Chrysene	580		ug/kg	110	19.	1
Acenaphthylene	42	J	ug/kg	150	28.	1
Anthracene	500		ug/kg	110	36.	1
Benzo(ghi)perylene	280		ug/kg	150	22.	1
Fluorene	230		ug/kg	180	18.	1
Phenanthrene	1600		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	75	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	290		ug/kg	150	25.	1
Pyrene	1100		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	170	J	ug/kg	180	17.	1
2-Methylnaphthalene	92	J	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-10
Client ID: SP-10 (7.5-8')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:30
Date Received: 08/27/20
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	230		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	23		10-136
4-Terphenyl-d14	52		18-120

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-11
Client ID: SP-10 (9.5-10')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:15
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/20 12:11
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 23:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	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	ND		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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-11
Client ID: SP-10 (9.5-10')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:15
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		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	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-11
Client ID: SP-10 (9.5-10')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:15
Date Received: 08/27/20
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	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	53		18-120

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-11
Client ID: SP-10 (9.5-10')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:15
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/01/20 19:29
Analyst: SG
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 08/31/20 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.501	0.023	1
Perfluoropentanoic Acid (PFPeA)	0.093	J	ug/kg	0.501	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.501	0.039	1
Perfluorohexanoic Acid (PFHxA)	0.083	J	ug/kg	0.501	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.501	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.501	0.061	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.501	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.501	0.180	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.501	0.137	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.501	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.501	0.130	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.501	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.501	0.288	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.501	0.202	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.501	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.501	0.153	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.501	0.098	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.501	0.085	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.501	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.501	0.205	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.501	0.054	1
PFOA/PFOS, Total	ND		ug/kg	0.501	0.042	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-11
Client ID: SP-10 (9.5-10')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:15
Date Received: 08/27/20
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)	73		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	80		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	92		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	85		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**31**	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	80		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**29**	Q	42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	74		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**19**	Q	26-160

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-12
Client ID: 20200826DUP
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:18
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/20 15:10
Analyst: IM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 23:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	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: 100 UNION AVE **Lab Number:** L2035276

Project Number: 12.0076932.00 **Report Date:** 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-12 Date Collected: 08/26/20 15:18

Client ID: 20200826DUP Date Received: 08/27/20

Sample Location: BROOKLYN, 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	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	19.	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	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-12
Client ID: 20200826DUP
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:18
Date Received: 08/27/20
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	63		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	68		18-120

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-12
Client ID: 20200826DUP
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:18
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/01/20 19:45
Analyst: SG
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 08/31/20 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.524	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.10	J	ug/kg	0.524	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.524	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.079	J	ug/kg	0.524	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.524	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.524	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.524	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.524	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.524	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.524	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.524	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.524	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.524	0.300	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.524	0.211	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.524	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.524	0.160	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.524	0.103	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.524	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.524	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.524	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.524	0.057	1
PFOA/PFOS, Total	ND		ug/kg	0.524	0.044	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-12
Client ID: 20200826DUP
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:18
Date Received: 08/27/20
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)	85		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	94		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	96		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**34**	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	87		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**37**	Q	42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	32		26-160

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-13
Client ID: 20200826EB
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 16:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8270D
Analytical Date: 09/01/20 01:54
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 15:37

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-13
Client ID: 20200826EB
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 16:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	84		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-13
Client ID: 20200826EB
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 16:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 09/02/20 02:31
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 07:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ug/l	0.134	0.0303	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	44		15-110

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-13
Client ID: 20200826EB
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 16:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 09/02/20 20:26
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 15:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.02	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.05	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.09	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.09	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.17		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.12		ug/l	0.10	0.01	1
Chrysene	0.12		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	0.14		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	0.14		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.15		ug/l	0.10	0.01	1
Pyrene	0.02	J	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-13
Client ID: 20200826EB
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 16:00
Date Received: 08/27/20
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	36		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	29		10-120
4-Terphenyl-d14	100		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-13 RE
Client ID: 20200826EB
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 16:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 09/03/20 13:57
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 09/03/20 07:25

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-13 RE
Client ID: 20200826EB
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 16:00
Date Received: 08/27/20
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	71		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	131		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-14
Client ID: 20200826FB
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 16:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/20 12:36
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/04/20 15:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.92	0.392	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.92	0.381	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.92	0.229	1
Perfluorohexanoic Acid (PFHxA)	0.315	J	ng/l	1.92	0.315	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.92	0.216	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.92	0.362	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.92	0.227	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.92	1.28	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.92	0.662	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.92	0.300	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.92	0.485	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.92	0.292	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.92	1.16	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.92	0.623	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.92	0.250	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.92	0.942	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.92	0.558	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.92	0.773	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.92	0.358	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.92	0.315	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.92	0.238	1
PFOA/PFOS, Total	ND		ng/l	1.92	0.227	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-14
Client ID: 20200826FB
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 16:00
Date Received: 08/27/20
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)	85		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	79		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	66		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	60		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	87		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		33-143

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/20 13:51
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/29/20 23:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG1404519-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/20 13:51
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/29/20 23:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG1404519-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/20 13:51
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/29/20 23:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG1404519-1					
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	71		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	68		18-120

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/01/20 18:23
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/31/20 17:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 11-12 Batch: WG1404895-1					
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.500	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.500	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.500	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.500	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.500	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.500	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.500	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.500	0.054
PFOA/PFOS, Total	ND		ug/kg	0.500	0.042

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/01/20 18:23
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/31/20 17:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 11-12 Batch: WG1404895-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	108		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	113		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	122		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	114		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	142		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	101		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		26-160

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/20 21:58
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 15:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1404939-1					
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	2.1	J	ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	0.49	J	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: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/20 21:58
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 15:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1404939-1					
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: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/20 21:58
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 15:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1404939-1					
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	52		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	91		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/02/20 18:25
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 15:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 13 Batch: WG1404940-1					
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: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/02/20 18:25
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 15:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 13 Batch: WG1404940-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	109		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/01/20 16:30
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 07:20

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 13 Batch: WG1404980-1					
1,4-Dioxane	ND		ug/l	0.150	0.0339

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	53		15-110

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/02/20 08:19
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/01/20 21:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1405442-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/02/20 08:19
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/01/20 21:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1405442-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/02/20 08:19
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/01/20 21:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1405442-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	79		18-120

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/03/20 15:41
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 09/02/20 17:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 13 Batch: WG1405864-1					
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	0.04	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	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: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/03/20 15:41
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 09/02/20 17:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 13 Batch: WG1405864-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	37		23-120
2-Fluorobiphenyl	41		15-120
2,4,6-Tribromophenol	51		10-120
4-Terphenyl-d14	88		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/20 11:47
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/03/20 10:31

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 14 Batch: WG1406137-1					
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: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/20 11:47
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/03/20 10:31

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 14 Batch: WG1406137-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	108		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	72		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	63		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		33-143

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG1404519-2 WG1404519-3								
Acenaphthene	79		80		31-137	1		50
1,2,4-Trichlorobenzene	74		74		38-107	0		50
Hexachlorobenzene	75		70		40-140	7		50
Bis(2-chloroethyl)ether	83		84		40-140	1		50
2-Chloronaphthalene	76		77		40-140	1		50
1,2-Dichlorobenzene	72		74		40-140	3		50
1,3-Dichlorobenzene	70		73		40-140	4		50
1,4-Dichlorobenzene	71		72		28-104	1		50
3,3'-Dichlorobenzidine	67		65		40-140	3		50
2,4-Dinitrotoluene	81		79		40-132	3		50
2,6-Dinitrotoluene	82		80		40-140	2		50
Fluoranthene	84		76		40-140	10		50
4-Chlorophenyl phenyl ether	75		75		40-140	0		50
4-Bromophenyl phenyl ether	79		74		40-140	7		50
Bis(2-chloroisopropyl)ether	100		101		40-140	1		50
Bis(2-chloroethoxy)methane	84		86		40-117	2		50
Hexachlorobutadiene	70		71		40-140	1		50
Hexachlorocyclopentadiene	65		69		40-140	6		50
Hexachloroethane	76		78		40-140	3		50
Isophorone	90		91		40-140	1		50
Naphthalene	77		77		40-140	0		50
Nitrobenzene	94		96		40-140	2		50
NDPA/DPA	81		78		36-157	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG1404519-2 WG1404519-3								
n-Nitrosodi-n-propylamine	90		91		32-121	1		50
Bis(2-ethylhexyl)phthalate	78		85		40-140	9		50
Butyl benzyl phthalate	83		83		40-140	0		50
Di-n-butylphthalate	83		80		40-140	4		50
Di-n-octylphthalate	77		83		40-140	8		50
Diethyl phthalate	79		80		40-140	1		50
Dimethyl phthalate	78		77		40-140	1		50
Benzo(a)anthracene	80		79		40-140	1		50
Benzo(a)pyrene	74		79		40-140	7		50
Benzo(b)fluoranthene	74		80		40-140	8		50
Benzo(k)fluoranthene	72		77		40-140	7		50
Chrysene	80		77		40-140	4		50
Acenaphthylene	85		84		40-140	1		50
Anthracene	80		79		40-140	1		50
Benzo(ghi)perylene	81		80		40-140	1		50
Fluorene	79		78		40-140	1		50
Phenanthrene	77		76		40-140	1		50
Dibenzo(a,h)anthracene	80		79		40-140	1		50
Indeno(1,2,3-cd)pyrene	80		80		40-140	0		50
Pyrene	86		78		35-142	10		50
Biphenyl	77		78		37-127	1		50
4-Chloroaniline	80		92		40-140	14		50
2-Nitroaniline	92		94		47-134	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG1404519-2 WG1404519-3								
3-Nitroaniline	81		79		26-129	3		50
4-Nitroaniline	86		83		41-125	4		50
Dibenzofuran	76		76		40-140	0		50
2-Methylnaphthalene	78		79		40-140	1		50
1,2,4,5-Tetrachlorobenzene	73		73		40-117	0		50
Acetophenone	84		84		14-144	0		50
2,4,6-Trichlorophenol	80		81		30-130	1		50
p-Chloro-m-cresol	90		91		26-103	1		50
2-Chlorophenol	82		84		25-102	2		50
2,4-Dichlorophenol	82		85		30-130	4		50
2,4-Dimethylphenol	104		106		30-130	2		50
2-Nitrophenol	94		96		30-130	2		50
4-Nitrophenol	109		110		11-114	1		50
2,4-Dinitrophenol	92		94		4-130	2		50
4,6-Dinitro-o-cresol	91		90		10-130	1		50
Pentachlorophenol	71		69		17-109	3		50
Phenol	82		84		26-90	2		50
2-Methylphenol	89		91		30-130.	2		50
3-Methylphenol/4-Methylphenol	88		89		30-130	1		50
2,4,5-Trichlorophenol	83		80		30-130	4		50
Benzoic Acid	76		76		10-110	0		50
Benzyl Alcohol	99		99		40-140	0		50
Carbazole	83		79		54-128	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG1404519-2 WG1404519-3								
1,4-Dioxane	62		67		40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		79		25-120
Phenol-d6	82		81		10-120
Nitrobenzene-d5	99		100		23-120
2-Fluorobiphenyl	79		78		30-120
2,4,6-Tribromophenol	72		64		10-136
4-Terphenyl-d14	69		67		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 11-12 Batch: WG1404895-2 WG1404895-3								
Perfluorobutanoic Acid (PFBA)	98		98		71-135	0		30
Perfluoropentanoic Acid (PFPeA)	103		103		69-132	0		30
Perfluorobutanesulfonic Acid (PFBS)	105		106		72-128	1		30
Perfluorohexanoic Acid (PFHxA)	102		103		70-132	1		30
Perfluoroheptanoic Acid (PFHpA)	100		100		71-131	0		30
Perfluorohexanesulfonic Acid (PFHxS)	99		97		67-130	2		30
Perfluorooctanoic Acid (PFOA)	102		101		69-133	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	104		101		64-140	3		30
Perfluoroheptanesulfonic Acid (PFHpS)	108		102		70-132	6		30
Perfluorononanoic Acid (PFNA)	102		101		72-129	1		30
Perfluorooctanesulfonic Acid (PFOS)	104		100		68-136	4		30
Perfluorodecanoic Acid (PFDA)	102		100		69-133	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	106		107		65-137	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	100		99		63-144	1		30
Perfluoroundecanoic Acid (PFUnA)	96		96		64-136	0		30
Perfluorodecanesulfonic Acid (PFDS)	112		110		59-134	2		30
Perfluorooctanesulfonamide (FOSA)	110		102		67-137	8		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	91		98		61-139	7		30
Perfluorododecanoic Acid (PFDoA)	100		97		69-135	3		30
Perfluorotridecanoic Acid (PFTrDA)	98		99		66-139	1		30
Perfluorotetradecanoic Acid (PFTA)	100		102		69-133	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 11-12 Batch: WG1404895-2 WG1404895-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		98		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	108		107		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	120		115		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		97		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	100		103		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116		112		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		107		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	126		128		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		110		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	113		114		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		104		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	138		132		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	92		91		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		107		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	6		12		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	97		94		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		107		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		84		26-160

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Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1404939-2 WG1404939-3								
Acenaphthene	69		76		37-111	10		30
1,2,4-Trichlorobenzene	62		71		39-98	14		30
Hexachlorobenzene	75		79		40-140	5		30
Bis(2-chloroethyl)ether	68		77		40-140	12		30
2-Chloronaphthalene	69		79		40-140	14		30
1,2-Dichlorobenzene	61		70		40-140	14		30
1,3-Dichlorobenzene	60		70		40-140	15		30
1,4-Dichlorobenzene	60		69		36-97	14		30
3,3'-Dichlorobenzidine	72		76		40-140	5		30
2,4-Dinitrotoluene	76		81		48-143	6		30
2,6-Dinitrotoluene	73		81		40-140	10		30
Fluoranthene	78		81		40-140	4		30
4-Chlorophenyl phenyl ether	75		80		40-140	6		30
4-Bromophenyl phenyl ether	76		85		40-140	11		30
Bis(2-chloroisopropyl)ether	59		67		40-140	13		30
Bis(2-chloroethoxy)methane	69		80		40-140	15		30
Hexachlorobutadiene	66		73		40-140	10		30
Hexachlorocyclopentadiene	64		72		40-140	12		30
Hexachloroethane	58		67		40-140	14		30
Isophorone	67		78		40-140	15		30
Naphthalene	66		73		40-140	10		30
Nitrobenzene	65		78		40-140	18		30
NDPA/DPA	78		84		40-140	7		30

Lab Control Sample Analysis

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Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1404939-2 WG1404939-3								
n-Nitrosodi-n-propylamine	67		76		29-132	13		30
Bis(2-ethylhexyl)phthalate	105		110		40-140	5		30
Butyl benzyl phthalate	95		100		40-140	5		30
Di-n-butylphthalate	88		90		40-140	2		30
Di-n-octylphthalate	101		105		40-140	4		30
Diethyl phthalate	83		88		40-140	6		30
Dimethyl phthalate	78		85		40-140	9		30
Benzo(a)anthracene	91		93		40-140	2		30
Benzo(a)pyrene	80		86		40-140	7		30
Benzo(b)fluoranthene	87		95		40-140	9		30
Benzo(k)fluoranthene	82		84		40-140	2		30
Chrysene	80		83		40-140	4		30
Acenaphthylene	70		80		45-123	13		30
Anthracene	81		84		40-140	4		30
Benzo(ghi)perylene	80		88		40-140	10		30
Fluorene	74		80		40-140	8		30
Phenanthrene	77		82		40-140	6		30
Dibenzo(a,h)anthracene	86		85		40-140	1		30
Indeno(1,2,3-cd)pyrene	86		89		40-140	3		30
Pyrene	77		81		26-127	5		30
Biphenyl	71		82		40-140	14		30
4-Chloroaniline	60		70		40-140	15		30
2-Nitroaniline	70		76		52-143	8		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): 13 Batch: WG1404939-2 WG1404939-3								
3-Nitroaniline	68		72		25-145	6		30
4-Nitroaniline	73		76		51-143	4		30
Dibenzofuran	71		75		40-140	5		30
2-Methylnaphthalene	68		76		40-140	11		30
1,2,4,5-Tetrachlorobenzene	69		74		2-134	7		30
Acetophenone	71		80		39-129	12		30
2,4,6-Trichlorophenol	77		86		30-130	11		30
p-Chloro-m-cresol	75		81		23-97	8		30
2-Chlorophenol	65		71		27-123	9		30
2,4-Dichlorophenol	69		79		30-130	14		30
2,4-Dimethylphenol	65		74		30-130	13		30
2-Nitrophenol	63		74		30-130	16		30
4-Nitrophenol	65		67		10-80	3		30
2,4-Dinitrophenol	75		83		20-130	10		30
4,6-Dinitro-o-cresol	76		80		20-164	5		30
Pentachlorophenol	74		78		9-103	5		30
Phenol	45		51		12-110	13		30
2-Methylphenol	61		72		30-130	17		30
3-Methylphenol/4-Methylphenol	65		75		30-130	14		30
2,4,5-Trichlorophenol	75		83		30-130	10		30
Benzoic Acid	66		61		10-164	8		30
Benzyl Alcohol	65		72		26-116	10		30
Carbazole	81		85		55-144	5		30

Lab Control Sample Analysis

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Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1404939-2 WG1404939-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	57		63		21-120
Phenol-d6	46		51		10-120
Nitrobenzene-d5	69		79		23-120
2-Fluorobiphenyl	72		80		15-120
2,4,6-Tribromophenol	80		84		10-120
4-Terphenyl-d14	82		87		41-149

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 13 Batch: WG1404940-2 WG1404940-3								
Acenaphthene	78		75		40-140	4		40
2-Chloronaphthalene	75		72		40-140	4		40
Fluoranthene	91		92		40-140	1		40
Hexachlorobutadiene	73		69		40-140	6		40
Naphthalene	73		70		40-140	4		40
Benzo(a)anthracene	95		95		40-140	0		40
Benzo(a)pyrene	95		96		40-140	1		40
Benzo(b)fluoranthene	96		96		40-140	0		40
Benzo(k)fluoranthene	99		98		40-140	1		40
Chrysene	86		85		40-140	1		40
Acenaphthylene	80		76		40-140	5		40
Anthracene	85		84		40-140	1		40
Benzo(ghi)perylene	90		90		40-140	0		40
Fluorene	83		80		40-140	4		40
Phenanthrene	83		83		40-140	0		40
Dibenzo(a,h)anthracene	102		103		40-140	1		40
Indeno(1,2,3-cd)pyrene	103		104		40-140	1		40
Pyrene	95		97		40-140	2		40
2-Methylnaphthalene	76		73		40-140	4		40
Pentachlorophenol	71		78		40-140	9		40
Hexachlorobenzene	82		81		40-140	1		40
Hexachloroethane	69		67		40-140	3		40

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 13 Batch: WG1404940-2 WG1404940-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		47		21-120
Phenol-d6	43		42		10-120
Nitrobenzene-d5	75		70		23-120
2-Fluorobiphenyl	68		64		15-120
2,4,6-Tribromophenol	68		76		10-120
4-Terphenyl-d14	97		95		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 13 Batch: WG1404980-2 WG1404980-3								
1,4-Dioxane	118		117		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	51		56		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

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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): 02 Batch: WG1405442-2 WG1405442-3								
Acenaphthene	76		82		31-137	8		50
1,2,4-Trichlorobenzene	78		84		38-107	7		50
Hexachlorobenzene	81		89		40-140	9		50
Bis(2-chloroethyl)ether	75		79		40-140	5		50
2-Chloronaphthalene	77		85		40-140	10		50
1,2-Dichlorobenzene	75		74		40-140	1		50
1,3-Dichlorobenzene	70		69		40-140	1		50
1,4-Dichlorobenzene	72		72		28-104	0		50
3,3'-Dichlorobenzidine	58		74		40-140	24		50
2,4-Dinitrotoluene	76		87		40-132	13		50
2,6-Dinitrotoluene	82		90		40-140	9		50
Fluoranthene	81		90		40-140	11		50
4-Chlorophenyl phenyl ether	78		82		40-140	5		50
4-Bromophenyl phenyl ether	76		85		40-140	11		50
Bis(2-chloroisopropyl)ether	92		87		40-140	6		50
Bis(2-chloroethoxy)methane	78		84		40-117	7		50
Hexachlorobutadiene	81		84		40-140	4		50
Hexachlorocyclopentadiene	69		78		40-140	12		50
Hexachloroethane	78		78		40-140	0		50
Isophorone	81		90		40-140	11		50
Naphthalene	76		80		40-140	5		50
Nitrobenzene	81		88		40-140	8		50
NDPA/DPA	78		85		36-157	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1405442-2 WG1405442-3								
n-Nitrosodi-n-propylamine	83		91		32-121	9		50
Bis(2-ethylhexyl)phthalate	80		86		40-140	7		50
Butyl benzyl phthalate	84		95		40-140	12		50
Di-n-butylphthalate	78		87		40-140	11		50
Di-n-octylphthalate	82		90		40-140	9		50
Diethyl phthalate	76		82		40-140	8		50
Dimethyl phthalate	77		88		40-140	13		50
Benzo(a)anthracene	78		86		40-140	10		50
Benzo(a)pyrene	79		89		40-140	12		50
Benzo(b)fluoranthene	82		92		40-140	11		50
Benzo(k)fluoranthene	78		88		40-140	12		50
Chrysene	79		85		40-140	7		50
Acenaphthylene	83		93		40-140	11		50
Anthracene	80		89		40-140	11		50
Benzo(ghi)perylene	77		86		40-140	11		50
Fluorene	80		85		40-140	6		50
Phenanthrene	79		85		40-140	7		50
Dibenzo(a,h)anthracene	77		85		40-140	10		50
Indeno(1,2,3-cd)pyrene	76		85		40-140	11		50
Pyrene	84		92		35-142	9		50
Biphenyl	75		83		37-127	10		50
4-Chloroaniline	63		74		40-140	16		50
2-Nitroaniline	80		93		47-134	15		50

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Project Number: 12.0076932.00

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Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1405442-2 WG1405442-3								
3-Nitroaniline	62		73		26-129	16		50
4-Nitroaniline	69		79		41-125	14		50
Dibenzofuran	77		83		40-140	8		50
2-Methylnaphthalene	76		84		40-140	10		50
1,2,4,5-Tetrachlorobenzene	79		85		40-117	7		50
Acetophenone	76		84		14-144	10		50
2,4,6-Trichlorophenol	79		88		30-130	11		50
p-Chloro-m-cresol	86		92		26-103	7		50
2-Chlorophenol	78		83		25-102	6		50
2,4-Dichlorophenol	80		93		30-130	15		50
2,4-Dimethylphenol	90		97		30-130	7		50
2-Nitrophenol	80		86		30-130	7		50
4-Nitrophenol	87		96		11-114	10		50
2,4-Dinitrophenol	63		80		4-130	24		50
4,6-Dinitro-o-cresol	67		80		10-130	18		50
Pentachlorophenol	59		71		17-109	18		50
Phenol	81		90		26-90	11		50
2-Methylphenol	83		92		30-130.	10		50
3-Methylphenol/4-Methylphenol	81		91		30-130	12		50
2,4,5-Trichlorophenol	83		96		30-130	15		50
Benzoic Acid	54		64		10-110	17		50
Benzyl Alcohol	94		98		40-140	4		50
Carbazole	83		90		54-128	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1405442-2 WG1405442-3								
1,4-Dioxane	54		48		40-140	12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		78		25-120
Phenol-d6	75		84		10-120
Nitrobenzene-d5	86		93		23-120
2-Fluorobiphenyl	82		86		30-120
2,4,6-Tribromophenol	71		83		10-136
4-Terphenyl-d14	76		83		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 13 Batch: WG1405864-2 WG1405864-3								
Acenaphthene	69		72		40-140	4		40
2-Chloronaphthalene	62		67		40-140	8		40
Fluoranthene	81		80		40-140	1		40
Hexachlorobutadiene	48		55		40-140	14		40
Naphthalene	57		64		40-140	12		40
Benzo(a)anthracene	74		75		40-140	1		40
Benzo(a)pyrene	78		80		40-140	3		40
Benzo(b)fluoranthene	71		74		40-140	4		40
Benzo(k)fluoranthene	78		82		40-140	5		40
Chrysene	75		77		40-140	3		40
Acenaphthylene	76		81		40-140	6		40
Anthracene	78		78		40-140	0		40
Benzo(ghi)perylene	94		98		40-140	4		40
Fluorene	73		74		40-140	1		40
Phenanthrene	74		74		40-140	0		40
Dibenzo(a,h)anthracene	95		101		40-140	6		40
Indeno(1,2,3-cd)pyrene	93		96		40-140	3		40
Pyrene	82		82		40-140	0		40
2-Methylnaphthalene	64		68		40-140	6		40
Pentachlorophenol	69		79		40-140	14		40
Hexachlorobenzene	64		65		40-140	2		40
Hexachloroethane	51		59		40-140	15		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 13 Batch: WG1405864-2 WG1405864-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	52		57		21-120
Phenol-d6	51		55		10-120
Nitrobenzene-d5	65		73		23-120
2-Fluorobiphenyl	65		70		15-120
2,4,6-Tribromophenol	77		75		10-120
4-Terphenyl-d14	106		106		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 14 Batch: WG1406137-2 WG1406137-3								
Perfluorobutanoic Acid (PFBA)	96		96		67-148	0		30
Perfluoropentanoic Acid (PFPeA)	100		100		63-161	0		30
Perfluorobutanesulfonic Acid (PFBS)	98		96		65-157	2		30
Perfluorohexanoic Acid (PFHxA)	103		99		69-168	4		30
Perfluoroheptanoic Acid (PFHpA)	96		95		58-159	1		30
Perfluorohexanesulfonic Acid (PFHxS)	100		94		69-177	6		30
Perfluorooctanoic Acid (PFOA)	92		92		63-159	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	97		103		49-187	6		30
Perfluoroheptanesulfonic Acid (PFHpS)	92		93		61-179	1		30
Perfluorononanoic Acid (PFNA)	95		95		68-171	0		30
Perfluorooctanesulfonic Acid (PFOS)	99		98		52-151	1		30
Perfluorodecanoic Acid (PFDA)	105		105		63-171	0		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	97		96		56-173	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	97		101		60-166	4		30
Perfluoroundecanoic Acid (PFUnA)	99		97		60-153	2		30
Perfluorodecanesulfonic Acid (PFDS)	89		88		38-156	1		30
Perfluorooctanesulfonamide (FOSA)	103		100		46-170	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	103		98		45-170	5		30
Perfluorododecanoic Acid (PFDoA)	89		90		67-153	1		30
Perfluorotridecanoic Acid (PFTrDA)	91		93		48-158	2		30
Perfluorotetradecanoic Acid (PFTA)	100		98		59-182	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 14 Batch: WG1406137-2 WG1406137-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		92		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	107		111		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		102		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		90		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		92		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		102		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		94		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	73		74		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		104		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		99		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		89		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73		76		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		65		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	87		95		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	29		31		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	75		80		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		94		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		83		33-143

PCBS

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-01
Client ID: SP-7 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 09:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/20 13:34
Analyst: HT
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 21:18
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.7	3.34	1	A
Aroclor 1221	ND		ug/kg	37.7	3.77	1	A
Aroclor 1232	ND		ug/kg	37.7	7.98	1	A
Aroclor 1242	ND		ug/kg	37.7	5.08	1	A
Aroclor 1248	ND		ug/kg	37.7	5.65	1	A
Aroclor 1254	ND		ug/kg	37.7	4.12	1	A
Aroclor 1260	18.5	J	ug/kg	37.7	6.96	1	B
Aroclor 1262	ND		ug/kg	37.7	4.78	1	A
Aroclor 1268	ND		ug/kg	37.7	3.90	1	A
PCBs, Total	18.5	J	ug/kg	37.7	3.34	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-02
Client ID: SP-7 (8-8.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/20 13:41
Analyst: HT
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 21:18
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.0	3.46	1	A
Aroclor 1221	ND		ug/kg	39.0	3.90	1	A
Aroclor 1232	ND		ug/kg	39.0	8.26	1	A
Aroclor 1242	ND		ug/kg	39.0	5.25	1	A
Aroclor 1248	ND		ug/kg	39.0	5.85	1	A
Aroclor 1254	ND		ug/kg	39.0	4.26	1	A
Aroclor 1260	ND		ug/kg	39.0	7.20	1	A
Aroclor 1262	ND		ug/kg	39.0	4.95	1	A
Aroclor 1268	ND		ug/kg	39.0	4.04	1	A
PCBs, Total	ND		ug/kg	39.0	3.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-03
Client ID: SP-8 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:20
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/20 13:48
Analyst: HT
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 21:18
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.8	3.00	1	A
Aroclor 1221	ND		ug/kg	33.8	3.39	1	A
Aroclor 1232	ND		ug/kg	33.8	7.17	1	A
Aroclor 1242	ND		ug/kg	33.8	4.56	1	A
Aroclor 1248	ND		ug/kg	33.8	5.08	1	A
Aroclor 1254	ND		ug/kg	33.8	3.70	1	A
Aroclor 1260	ND		ug/kg	33.8	6.25	1	A
Aroclor 1262	ND		ug/kg	33.8	4.30	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	79		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-04
Client ID: SP-8 (7-7.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:40
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/20 13:55
Analyst: HT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 21:18
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	3.27	1	A
Aroclor 1221	ND		ug/kg	36.8	3.69	1	A
Aroclor 1232	ND		ug/kg	36.8	7.81	1	A
Aroclor 1242	ND		ug/kg	36.8	4.96	1	A
Aroclor 1248	ND		ug/kg	36.8	5.52	1	A
Aroclor 1254	ND		ug/kg	36.8	4.03	1	A
Aroclor 1260	ND		ug/kg	36.8	6.81	1	B
Aroclor 1262	ND		ug/kg	36.8	4.68	1	A
Aroclor 1268	ND		ug/kg	36.8	3.82	1	A
PCBs, Total	ND		ug/kg	36.8	3.27	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-05
Client ID: SP-8 (9-9.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:58
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/20 14:02
Analyst: HT
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 21:18
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.9	3.90	1	A
Aroclor 1221	ND		ug/kg	43.9	4.40	1	A
Aroclor 1232	ND		ug/kg	43.9	9.31	1	A
Aroclor 1242	ND		ug/kg	43.9	5.92	1	A
Aroclor 1248	ND		ug/kg	43.9	6.59	1	A
Aroclor 1254	ND		ug/kg	43.9	4.80	1	A
Aroclor 1260	ND		ug/kg	43.9	8.12	1	A
Aroclor 1262	ND		ug/kg	43.9	5.58	1	A
Aroclor 1268	ND		ug/kg	43.9	4.55	1	A
PCBs, Total	ND		ug/kg	43.9	3.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-06
Client ID: SP-9 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 12:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/20 14:09
Analyst: HT
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 21:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	3.07	1	A
Aroclor 1221	ND		ug/kg	34.6	3.47	1	A
Aroclor 1232	ND		ug/kg	34.6	7.34	1	A
Aroclor 1242	ND		ug/kg	34.6	4.66	1	A
Aroclor 1248	ND		ug/kg	34.6	5.19	1	A
Aroclor 1254	ND		ug/kg	34.6	3.79	1	A
Aroclor 1260	9.43	J	ug/kg	34.6	6.40	1	B
Aroclor 1262	ND		ug/kg	34.6	4.40	1	A
Aroclor 1268	5.63	J	ug/kg	34.6	3.58	1	A
PCBs, Total	15.1	J	ug/kg	34.6	3.07	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-07
Client ID: SP-9 (6.5-7.0')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 12:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/20 14:16
Analyst: HT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 21:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	3.36	1	A
Aroclor 1221	ND		ug/kg	37.8	3.79	1	A
Aroclor 1232	ND		ug/kg	37.8	8.02	1	A
Aroclor 1242	ND		ug/kg	37.8	5.10	1	A
Aroclor 1248	ND		ug/kg	37.8	5.68	1	A
Aroclor 1254	ND		ug/kg	37.8	4.14	1	A
Aroclor 1260	ND		ug/kg	37.8	6.99	1	A
Aroclor 1262	ND		ug/kg	37.8	4.80	1	A
Aroclor 1268	ND		ug/kg	37.8	3.92	1	A
PCBs, Total	ND		ug/kg	37.8	3.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-08
Client ID: MW-2A (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 13:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/20 14:23
Analyst: HT
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 21:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	3.52	1	A
Aroclor 1221	ND		ug/kg	39.7	3.98	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	68		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-09
Client ID: SP-10 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 14:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/20 14:30
Analyst: HT
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 21:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.7	2.99	1	A
Aroclor 1221	ND		ug/kg	33.7	3.37	1	A
Aroclor 1232	ND		ug/kg	33.7	7.14	1	A
Aroclor 1242	ND		ug/kg	33.7	4.54	1	A
Aroclor 1248	ND		ug/kg	33.7	5.05	1	A
Aroclor 1254	ND		ug/kg	33.7	3.68	1	A
Aroclor 1260	22.4	J	ug/kg	33.7	6.22	1	A
Aroclor 1262	ND		ug/kg	33.7	4.28	1	A
Aroclor 1268	9.03	J	ug/kg	33.7	3.49	1	B
PCBs, Total	31.4	J	ug/kg	33.7	2.99	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-10
Client ID: SP-10 (7.5-8')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/20 14:37
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 21:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	3.20	1	A
Aroclor 1221	ND		ug/kg	36.0	3.60	1	A
Aroclor 1232	ND		ug/kg	36.0	7.63	1	A
Aroclor 1242	ND		ug/kg	36.0	4.85	1	A
Aroclor 1248	ND		ug/kg	36.0	5.40	1	A
Aroclor 1254	ND		ug/kg	36.0	3.94	1	A
Aroclor 1260	6.77	J	ug/kg	36.0	6.65	1	B
Aroclor 1262	ND		ug/kg	36.0	4.57	1	A
Aroclor 1268	ND		ug/kg	36.0	3.73	1	B
PCBs, Total	6.77	J	ug/kg	36.0	3.20	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-11
Client ID: SP-10 (9.5-10')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:15
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/20 14:51
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 21:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	3.20	1	A
Aroclor 1221	ND		ug/kg	36.0	3.61	1	A
Aroclor 1232	ND		ug/kg	36.0	7.64	1	A
Aroclor 1242	ND		ug/kg	36.0	4.86	1	A
Aroclor 1248	ND		ug/kg	36.0	5.41	1	A
Aroclor 1254	ND		ug/kg	36.0	3.94	1	A
Aroclor 1260	ND		ug/kg	36.0	6.66	1	A
Aroclor 1262	ND		ug/kg	36.0	4.58	1	A
Aroclor 1268	ND		ug/kg	36.0	3.73	1	A
PCBs, Total	ND		ug/kg	36.0	3.20	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-12
Client ID: 20200826DUP
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:18
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/20 14:58
Analyst: HT
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 21:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.9	3.27	1	A
Aroclor 1221	ND		ug/kg	36.9	3.69	1	A
Aroclor 1232	ND		ug/kg	36.9	7.81	1	A
Aroclor 1242	ND		ug/kg	36.9	4.97	1	A
Aroclor 1248	ND		ug/kg	36.9	5.53	1	A
Aroclor 1254	ND		ug/kg	36.9	4.03	1	A
Aroclor 1260	ND		ug/kg	36.9	6.81	1	A
Aroclor 1262	ND		ug/kg	36.9	4.68	1	A
Aroclor 1268	ND		ug/kg	36.9	3.82	1	A
PCBs, Total	ND		ug/kg	36.9	3.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-13
Client ID: 20200826EB
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 16:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8082A
Analytical Date: 09/01/20 10:28
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 13:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/01/20 12:24
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 08/29/20 21:17
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-12 Batch: WG1404513-1						
Aroclor 1016	ND		ug/kg	32.4	2.88	A
Aroclor 1221	ND		ug/kg	32.4	3.25	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	4.37	A
Aroclor 1248	ND		ug/kg	32.4	4.87	A
Aroclor 1254	ND		ug/kg	32.4	3.55	A
Aroclor 1260	ND		ug/kg	32.4	6.00	A
Aroclor 1262	ND		ug/kg	32.4	4.12	A
Aroclor 1268	ND		ug/kg	32.4	3.36	A
PCBs, Total	ND		ug/kg	32.4	2.88	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/01/20 10:02
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 08/31/20 13:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 13 Batch: WG1404888-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	0.035	J	ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	0.035	J	ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	48		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-12 Batch: WG1404513-2 WG1404513-3									
Aroclor 1016	88		84		40-140	5		50	A
Aroclor 1260	80		76		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		79		30-150	A
Decachlorobiphenyl	75		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		93		30-150	B
Decachlorobiphenyl	90		84		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 13 Batch: WG1404888-2 WG1404888-3									
Aroclor 1016	56		57		40-140	1		50	A
Aroclor 1260	53		53		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		57		30-150	A
Decachlorobiphenyl	60		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		56		30-150	B
Decachlorobiphenyl	54		56		30-150	B

PESTICIDES

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-01
Client ID: SP-7 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 09:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/01/20 16:56
Analyst: JMC
Percent Solids: 87%
Methylation Date: 08/31/20 22:53

Extraction Method: EPA 8151A
Extraction Date: 08/31/20 08:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	564	35.6	1	A
2,4,5-T	ND		ug/kg	564	17.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	564	15.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	59		30-150	A
DCAA	54		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-01 D
Client ID: SP-7 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 09:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/01/20 07:51
Analyst: JMC
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 14:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.8	3.48	10	A
Lindane	ND		ug/kg	7.40	3.31	10	A
Alpha-BHC	ND		ug/kg	7.40	2.10	10	A
Beta-BHC	ND		ug/kg	17.8	6.73	10	A
Heptachlor	ND		ug/kg	8.88	3.98	10	A
Aldrin	ND		ug/kg	17.8	6.25	10	A
Heptachlor epoxide	ND		ug/kg	33.3	9.99	10	A
Endrin	ND		ug/kg	7.40	3.03	10	A
Endrin aldehyde	ND		ug/kg	22.2	7.77	10	A
Endrin ketone	ND		ug/kg	17.8	4.57	10	A
Dieldrin	ND		ug/kg	11.1	5.55	10	A
4,4'-DDE	ND		ug/kg	17.8	4.10	10	A
4,4'-DDD	ND		ug/kg	17.8	6.33	10	A
4,4'-DDT	ND		ug/kg	33.3	14.3	10	A
Endosulfan I	ND		ug/kg	17.8	4.19	10	A
Endosulfan II	ND		ug/kg	17.8	5.93	10	A
Endosulfan sulfate	ND		ug/kg	7.40	3.52	10	A
Methoxychlor	ND		ug/kg	33.3	10.4	10	A
Toxaphene	ND		ug/kg	333	93.2	10	A
cis-Chlordane	127		ug/kg	22.2	6.18	10	A
trans-Chlordane	94.1		ug/kg	22.2	5.86	10	B
Chlordane	601		ug/kg	148	58.8	10	A

Project Name: 100 UNION AVE
Lab Number: L2035276
Project Number: 12.0076932.00
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-01 D
Client ID: SP-7 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 09:50
Date Received: 08/27/20
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	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-02
Client ID: SP-7 (8-8.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/01/20 08:00
Analyst: JMC
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 14:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	0.368	1	A
Lindane	ND		ug/kg	0.782	0.350	1	A
Alpha-BHC	ND		ug/kg	0.782	0.222	1	A
Beta-BHC	ND		ug/kg	1.88	0.712	1	A
Heptachlor	ND		ug/kg	0.939	0.421	1	A
Aldrin	ND		ug/kg	1.88	0.661	1	A
Heptachlor epoxide	ND		ug/kg	3.52	1.06	1	A
Endrin	ND		ug/kg	0.782	0.321	1	A
Endrin aldehyde	ND		ug/kg	2.35	0.822	1	A
Endrin ketone	ND		ug/kg	1.88	0.484	1	A
Dieldrin	ND		ug/kg	1.17	0.587	1	A
4,4'-DDE	1.12	J	ug/kg	1.88	0.434	1	B
4,4'-DDD	ND		ug/kg	1.88	0.670	1	A
4,4'-DDT	ND		ug/kg	3.52	1.51	1	A
Endosulfan I	ND		ug/kg	1.88	0.444	1	A
Endosulfan II	ND		ug/kg	1.88	0.628	1	A
Endosulfan sulfate	ND		ug/kg	0.782	0.372	1	A
Methoxychlor	ND		ug/kg	3.52	1.10	1	A
Toxaphene	ND		ug/kg	35.2	9.86	1	A
cis-Chlordane	ND		ug/kg	2.35	0.654	1	A
trans-Chlordane	ND		ug/kg	2.35	0.620	1	A
Chlordane	ND		ug/kg	15.6	6.22	1	A

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-02
Client ID: SP-7 (8-8.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:00
Date Received: 08/27/20
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	67		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-02
Client ID: SP-7 (8-8.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/01/20 17:14
Analyst: JMC
Percent Solids: 84%
Methylation Date: 08/31/20 22:53

Extraction Method: EPA 8151A
Extraction Date: 08/31/20 08:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	193	12.2	1	A
2,4,5-T	ND		ug/kg	193	5.98	1	A
2,4,5-TP (Silvex)	ND		ug/kg	193	5.13	1	A

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-03
Client ID: SP-8 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:20
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/01/20 08:09
Analyst: JMC
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 14:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.321	1	A
Lindane	ND		ug/kg	0.683	0.305	1	A
Alpha-BHC	ND		ug/kg	0.683	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.622	1	A
Heptachlor	ND		ug/kg	0.820	0.368	1	A
Aldrin	ND		ug/kg	1.64	0.577	1	A
Heptachlor epoxide	ND		ug/kg	3.07	0.922	1	A
Endrin	ND		ug/kg	0.683	0.280	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.717	1	A
Endrin ketone	ND		ug/kg	1.64	0.422	1	A
Dieldrin	ND		ug/kg	1.02	0.512	1	A
4,4'-DDE	ND		ug/kg	1.64	0.379	1	A
4,4'-DDD	ND		ug/kg	1.64	0.585	1	A
4,4'-DDT	ND		ug/kg	3.07	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.387	1	A
Endosulfan II	ND		ug/kg	1.64	0.548	1	A
Endosulfan sulfate	ND		ug/kg	0.683	0.325	1	A
Methoxychlor	ND		ug/kg	3.07	0.956	1	A
Toxaphene	ND		ug/kg	30.7	8.61	1	A
cis-Chlordane	ND		ug/kg	2.05	0.571	1	A
trans-Chlordane	ND		ug/kg	2.05	0.541	1	A
Chlordane	ND		ug/kg	13.7	5.43	1	A

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-03
Client ID: SP-8 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:20
Date Received: 08/27/20
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	70		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-03
Client ID: SP-8 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:20
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/01/20 17:32
Analyst: JMC
Percent Solids: 94%
Methylation Date: 08/31/20 22:53

Extraction Method: EPA 8151A
Extraction Date: 08/31/20 08:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	174	11.0	1	A
2,4,5-T	ND		ug/kg	174	5.41	1	A
2,4,5-TP (Silvex)	ND		ug/kg	174	4.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	71		30-150	A
DCAA	64		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-04
Client ID: SP-8 (7-7.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:40
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/01/20 08:18
Analyst: JMC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 14:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.340	1	A
Lindane	ND		ug/kg	0.722	0.323	1	A
Alpha-BHC	ND		ug/kg	0.722	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.657	1	A
Heptachlor	ND		ug/kg	0.867	0.389	1	A
Aldrin	ND		ug/kg	1.73	0.610	1	A
Heptachlor epoxide	ND		ug/kg	3.25	0.975	1	A
Endrin	ND		ug/kg	0.722	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.758	1	A
Endrin ketone	ND		ug/kg	1.73	0.446	1	A
Dieldrin	ND		ug/kg	1.08	0.542	1	A
4,4'-DDE	ND		ug/kg	1.73	0.401	1	A
4,4'-DDD	ND		ug/kg	1.73	0.618	1	A
4,4'-DDT	ND		ug/kg	3.25	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.410	1	A
Endosulfan II	ND		ug/kg	1.73	0.579	1	A
Endosulfan sulfate	ND		ug/kg	0.722	0.344	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.10	1	A
cis-Chlordane	ND		ug/kg	2.17	0.604	1	A
trans-Chlordane	ND		ug/kg	2.17	0.572	1	A
Chlordane	ND		ug/kg	14.4	5.74	1	A

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-04
Client ID: SP-8 (7-7.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:40
Date Received: 08/27/20
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	74		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-04
Client ID: SP-8 (7-7.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:40
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/02/20 14:08
Analyst: JMC
Percent Solids: 89%
Methylation Date: 09/02/20 04:45

Extraction Method: EPA 8151A
Extraction Date: 09/01/20 04:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	11.7	1	A
2,4,5-T	ND		ug/kg	186	5.76	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	4.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	133		30-150	A
DCAA	90		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-05
Client ID: SP-8 (9-9.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:58
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/02/20 08:28
Analyst: SM
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 14:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.10	0.412	1	B
Lindane	ND		ug/kg	0.877	0.392	1	B
Alpha-BHC	ND		ug/kg	0.877	0.249	1	B
Beta-BHC	ND		ug/kg	2.10	0.798	1	B
Heptachlor	ND		ug/kg	1.05	0.472	1	B
Aldrin	ND		ug/kg	2.10	0.741	1	B
Heptachlor epoxide	ND		ug/kg	3.95	1.18	1	B
Endrin	ND		ug/kg	0.877	0.360	1	B
Endrin aldehyde	ND		ug/kg	2.63	0.921	1	B
Endrin ketone	ND		ug/kg	2.10	0.542	1	B
Dieldrin	ND		ug/kg	1.32	0.658	1	B
4,4'-DDE	ND		ug/kg	2.10	0.487	1	B
4,4'-DDD	ND		ug/kg	2.10	0.751	1	B
4,4'-DDT	ND		ug/kg	3.95	1.69	1	B
Endosulfan I	ND		ug/kg	2.10	0.498	1	B
Endosulfan II	ND		ug/kg	2.10	0.704	1	B
Endosulfan sulfate	ND		ug/kg	0.877	0.418	1	B
Methoxychlor	ND		ug/kg	3.95	1.23	1	B
Toxaphene	ND		ug/kg	39.5	11.0	1	B
cis-Chlordane	ND		ug/kg	2.63	0.734	1	B
trans-Chlordane	ND		ug/kg	2.63	0.695	1	B
Chlordane	ND		ug/kg	17.5	6.98	1	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-05
Client ID: SP-8 (9-9.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:58
Date Received: 08/27/20
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	**3700**	Q	30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-05
Client ID: SP-8 (9-9.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:58
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/02/20 14:26
Analyst: JMC
Percent Solids: 74%
Methylation Date: 09/02/20 04:45

Extraction Method: EPA 8151A
Extraction Date: 09/01/20 04:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	219	13.8	1	A
2,4,5-T	ND		ug/kg	219	6.79	1	A
2,4,5-TP (Silvex)	ND		ug/kg	219	5.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	81		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-06
Client ID: SP-9 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 12:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/02/20 08:40
Analyst: SM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 14:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.321	1	A
Lindane	ND		ug/kg	0.682	0.305	1	A
Alpha-BHC	ND		ug/kg	0.682	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.621	1	A
Heptachlor	ND		ug/kg	0.819	0.367	1	A
Aldrin	ND		ug/kg	1.64	0.577	1	A
Heptachlor epoxide	ND		ug/kg	3.07	0.921	1	A
Endrin	ND		ug/kg	0.682	0.280	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.716	1	A
Endrin ketone	ND		ug/kg	1.64	0.422	1	A
Dieldrin	ND		ug/kg	1.02	0.512	1	A
4,4'-DDE	ND		ug/kg	1.64	0.379	1	A
4,4'-DDD	1.32	J	ug/kg	1.64	0.584	1	A
4,4'-DDT	1.95	JIP	ug/kg	3.07	1.32	1	B
Endosulfan I	ND		ug/kg	1.64	0.387	1	A
Endosulfan II	ND		ug/kg	1.64	0.547	1	A
Endosulfan sulfate	ND		ug/kg	0.682	0.325	1	A
Methoxychlor	ND		ug/kg	3.07	0.955	1	A
Toxaphene	ND		ug/kg	30.7	8.60	1	A
cis-Chlordane	ND		ug/kg	2.05	0.570	1	A
trans-Chlordane	ND		ug/kg	2.05	0.540	1	A
Chlordane	ND		ug/kg	13.6	5.42	1	A

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-06
Client ID: SP-9 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 12:30
Date Received: 08/27/20
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	90		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-06
Client ID: SP-9 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 12:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/02/20 14:45
Analyst: JMC
Percent Solids: 94%
Methylation Date: 09/02/20 04:45

Extraction Method: EPA 8151A
Extraction Date: 09/01/20 04:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	173	10.9	1	A
2,4,5-T	ND		ug/kg	173	5.36	1	A
2,4,5-TP (Silvex)	ND		ug/kg	173	4.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	88		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-07
Client ID: SP-9 (6.5-7.0')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 12:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/01/20 08:45
Analyst: JMC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 14:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.733	0.328	1	A
Alpha-BHC	ND		ug/kg	0.733	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.667	1	A
Heptachlor	ND		ug/kg	0.879	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.619	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.989	1	A
Endrin	ND		ug/kg	0.733	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.770	1	A
Endrin ketone	ND		ug/kg	1.76	0.453	1	A
Dieldrin	ND		ug/kg	1.10	0.550	1	A
4,4'-DDE	ND		ug/kg	1.76	0.407	1	A
4,4'-DDD	ND		ug/kg	1.76	0.627	1	A
4,4'-DDT	ND		ug/kg	3.30	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	ND		ug/kg	1.76	0.588	1	A
Endosulfan sulfate	ND		ug/kg	0.733	0.349	1	A
Methoxychlor	ND		ug/kg	3.30	1.03	1	A
Toxaphene	ND		ug/kg	33.0	9.23	1	A
cis-Chlordane	ND		ug/kg	2.20	0.613	1	A
trans-Chlordane	ND		ug/kg	2.20	0.580	1	A
Chlordane	ND		ug/kg	14.6	5.83	1	A

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-07
Client ID: SP-9 (6.5-7.0')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 12:50
Date Received: 08/27/20
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	68		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-07
Client ID: SP-9 (6.5-7.0')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 12:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/02/20 15:03
Analyst: JMC
Percent Solids: 88%
Methylation Date: 09/02/20 04:45

Extraction Method: EPA 8151A
Extraction Date: 09/01/20 04:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	11.7	1	A
2,4,5-T	ND		ug/kg	186	5.76	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	4.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	125		30-150	A
DCAA	90		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-08
Client ID: MW-2A (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 13:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/01/20 08:54
Analyst: JMC
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 14:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.366	1	A
Lindane	ND		ug/kg	0.778	0.348	1	A
Alpha-BHC	ND		ug/kg	0.778	0.221	1	A
Beta-BHC	ND		ug/kg	1.87	0.708	1	A
Heptachlor	ND		ug/kg	0.934	0.418	1	A
Aldrin	ND		ug/kg	1.87	0.657	1	A
Heptachlor epoxide	ND		ug/kg	3.50	1.05	1	A
Endrin	ND		ug/kg	0.778	0.319	1	A
Endrin aldehyde	ND		ug/kg	2.33	0.817	1	A
Endrin ketone	ND		ug/kg	1.87	0.481	1	A
Dieldrin	ND		ug/kg	1.17	0.584	1	A
4,4'-DDE	ND		ug/kg	1.87	0.432	1	A
4,4'-DDD	ND		ug/kg	1.87	0.666	1	A
4,4'-DDT	ND		ug/kg	3.50	1.50	1	A
Endosulfan I	ND		ug/kg	1.87	0.441	1	A
Endosulfan II	ND		ug/kg	1.87	0.624	1	A
Endosulfan sulfate	ND		ug/kg	0.778	0.370	1	A
Methoxychlor	ND		ug/kg	3.50	1.09	1	A
Toxaphene	ND		ug/kg	35.0	9.80	1	A
cis-Chlordane	ND		ug/kg	2.33	0.650	1	A
trans-Chlordane	ND		ug/kg	2.33	0.616	1	A
Chlordane	ND		ug/kg	15.6	6.18	1	A

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-08
Client ID: MW-2A (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 13:30
Date Received: 08/27/20
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	74		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-08
Client ID: MW-2A (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 13:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/02/20 15:21
Analyst: JMC
Percent Solids: 81%
Methylation Date: 09/02/20 04:45

Extraction Method: EPA 8151A
Extraction Date: 09/01/20 04:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	199	12.5	1	A
2,4,5-T	ND		ug/kg	199	6.17	1	A
2,4,5-TP (Silvex)	ND		ug/kg	199	5.30	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	112		30-150	A
DCAA	93		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-09
Client ID: SP-10 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 14:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/01/20 09:03
Analyst: JMC
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 14:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.321	1	A
Lindane	ND		ug/kg	0.683	0.305	1	A
Alpha-BHC	ND		ug/kg	0.683	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.622	1	A
Heptachlor	ND		ug/kg	0.820	0.367	1	A
Aldrin	ND		ug/kg	1.64	0.577	1	A
Heptachlor epoxide	ND		ug/kg	3.07	0.922	1	A
Endrin	ND		ug/kg	0.683	0.280	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.717	1	A
Endrin ketone	ND		ug/kg	1.64	0.422	1	A
Dieldrin	ND		ug/kg	1.02	0.512	1	A
4,4'-DDE	ND		ug/kg	1.64	0.379	1	A
4,4'-DDD	ND		ug/kg	1.64	0.585	1	A
4,4'-DDT	ND		ug/kg	3.07	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.387	1	A
Endosulfan II	ND		ug/kg	1.64	0.548	1	A
Endosulfan sulfate	ND		ug/kg	0.683	0.325	1	A
Methoxychlor	ND		ug/kg	3.07	0.956	1	A
Toxaphene	ND		ug/kg	30.7	8.61	1	A
cis-Chlordane	ND		ug/kg	2.05	0.571	1	A
trans-Chlordane	ND		ug/kg	2.05	0.541	1	A
Chlordane	ND		ug/kg	13.7	5.43	1	A

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-09
Client ID: SP-10 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 14:50
Date Received: 08/27/20
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	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-09
Client ID: SP-10 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 14:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/02/20 15:40
Analyst: JMC
Percent Solids: 95%
Methylation Date: 09/02/20 04:45

Extraction Method: EPA 8151A
Extraction Date: 09/01/20 04:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	173	10.9	1	A
2,4,5-T	ND		ug/kg	173	5.38	1	A
2,4,5-TP (Silvex)	ND		ug/kg	173	4.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	84		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-10
Client ID: SP-10 (7.5-8')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/01/20 09:12
Analyst: JMC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 14:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.329	1	A
Lindane	ND		ug/kg	0.701	0.313	1	A
Alpha-BHC	ND		ug/kg	0.701	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.638	1	A
Heptachlor	ND		ug/kg	0.841	0.377	1	A
Aldrin	ND		ug/kg	1.68	0.592	1	A
Heptachlor epoxide	ND		ug/kg	3.15	0.946	1	A
Endrin	ND		ug/kg	0.701	0.287	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.736	1	A
Endrin ketone	ND		ug/kg	1.68	0.433	1	A
Dieldrin	ND		ug/kg	1.05	0.526	1	A
4,4'-DDE	ND		ug/kg	1.68	0.389	1	A
4,4'-DDD	ND		ug/kg	1.68	0.600	1	A
4,4'-DDT	ND		ug/kg	3.15	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.397	1	A
Endosulfan II	ND		ug/kg	1.68	0.562	1	A
Endosulfan sulfate	ND		ug/kg	0.701	0.334	1	A
Methoxychlor	ND		ug/kg	3.15	0.981	1	A
Toxaphene	ND		ug/kg	31.5	8.83	1	A
cis-Chlordane	ND		ug/kg	2.10	0.586	1	A
trans-Chlordane	ND		ug/kg	2.10	0.555	1	A
Chlordane	ND		ug/kg	14.0	5.57	1	A

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-10
Client ID: SP-10 (7.5-8')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:30
Date Received: 08/27/20
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	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-10
Client ID: SP-10 (7.5-8')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/03/20 08:37
Analyst: SM
Percent Solids: 91%
Methylation Date: 09/02/20 21:48

Extraction Method: EPA 8151A
Extraction Date: 09/02/20 00:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	11.3	1	A
2,4,5-T	ND		ug/kg	180	5.57	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	4.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	84		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-11
Client ID: SP-10 (9.5-10')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:15
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/01/20 09:22
Analyst: JMC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 14:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.332	1	A
Lindane	ND		ug/kg	0.708	0.316	1	A
Alpha-BHC	ND		ug/kg	0.708	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.644	1	A
Heptachlor	ND		ug/kg	0.849	0.381	1	A
Aldrin	ND		ug/kg	1.70	0.598	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.955	1	A
Endrin	ND		ug/kg	0.708	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.743	1	A
Endrin ketone	ND		ug/kg	1.70	0.437	1	A
Dieldrin	ND		ug/kg	1.06	0.531	1	A
4,4'-DDE	ND		ug/kg	1.70	0.393	1	A
4,4'-DDD	ND		ug/kg	1.70	0.606	1	A
4,4'-DDT	ND		ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.70	0.401	1	A
Endosulfan II	ND		ug/kg	1.70	0.568	1	A
Endosulfan sulfate	ND		ug/kg	0.708	0.337	1	A
Methoxychlor	ND		ug/kg	3.18	0.991	1	A
Toxaphene	ND		ug/kg	31.8	8.92	1	A
cis-Chlordane	ND		ug/kg	2.12	0.592	1	A
trans-Chlordane	ND		ug/kg	2.12	0.560	1	A
Chlordane	ND		ug/kg	14.2	5.62	1	A

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-11
Client ID: SP-10 (9.5-10')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:15
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-11
Client ID: SP-10 (9.5-10')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:15
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/03/20 08:56
Analyst: SM
Percent Solids: 90%
Methylation Date: 09/02/20 21:48

Extraction Method: EPA 8151A
Extraction Date: 09/02/20 00:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	11.5	1	A
2,4,5-T	ND		ug/kg	183	5.67	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	4.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	90		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-12
Client ID: 20200826DUP
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:18
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/01/20 09:31
Analyst: JMC
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/29/20 14:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.725	0.324	1	A
Alpha-BHC	ND		ug/kg	0.725	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.659	1	A
Heptachlor	ND		ug/kg	0.870	0.390	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.978	1	A
Endrin	ND		ug/kg	0.725	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.761	1	A
Endrin ketone	ND		ug/kg	1.74	0.448	1	A
Dieldrin	ND		ug/kg	1.09	0.543	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	ND		ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.411	1	A
Endosulfan II	ND		ug/kg	1.74	0.581	1	A
Endosulfan sulfate	ND		ug/kg	0.725	0.345	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.13	1	A
cis-Chlordane	ND		ug/kg	2.17	0.606	1	A
trans-Chlordane	ND		ug/kg	2.17	0.574	1	A
Chlordane	ND		ug/kg	14.5	5.76	1	A

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-12
Client ID: 20200826DUP
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:18
Date Received: 08/27/20
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	68		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-12
Client ID: 20200826DUP
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:18
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/03/20 09:14
Analyst: SM
Percent Solids: 87%
Methylation Date: 09/02/20 21:48

Extraction Method: EPA 8151A
Extraction Date: 09/02/20 00:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	11.8	1	A
2,4,5-T	ND		ug/kg	188	5.82	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	4.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	103		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-13
Client ID: 20200826EB
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 16:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8081B
Analytical Date: 09/02/20 08:41
Analyst: SM

Extraction Method: EPA 3510C
Extraction Date: 09/01/20 16:26

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-13
Client ID: 20200826EB
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 16:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-13
Client ID: 20200826EB
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 16:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8151A
Analytical Date: 09/02/20 13:39
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/01/20 09:13

Methylation Date: 09/02/20 05:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	77		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/31/20 19:07
Analyst: DGM

Extraction Method: EPA 3546
Extraction Date: 08/29/20 14:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-12 Batch: WG1404467-1						
Delta-BHC	ND		ug/kg	1.55	0.304	A
Lindane	ND		ug/kg	0.647	0.289	A
Alpha-BHC	ND		ug/kg	0.647	0.184	A
Beta-BHC	ND		ug/kg	1.55	0.589	A
Heptachlor	ND		ug/kg	0.777	0.348	A
Aldrin	ND		ug/kg	1.55	0.547	A
Heptachlor epoxide	ND		ug/kg	2.91	0.874	A
Endrin	ND		ug/kg	0.647	0.265	A
Endrin aldehyde	ND		ug/kg	1.94	0.680	A
Endrin ketone	ND		ug/kg	1.55	0.400	A
Dieldrin	ND		ug/kg	0.971	0.485	A
4,4'-DDE	ND		ug/kg	1.55	0.359	A
4,4'-DDD	ND		ug/kg	1.55	0.554	A
4,4'-DDT	ND		ug/kg	2.91	1.25	A
Endosulfan I	ND		ug/kg	1.55	0.367	A
Endosulfan II	ND		ug/kg	1.55	0.519	A
Endosulfan sulfate	ND		ug/kg	0.647	0.308	A
Methoxychlor	ND		ug/kg	2.91	0.906	A
Toxaphene	ND		ug/kg	29.1	8.16	A
cis-Chlordane	ND		ug/kg	1.94	0.541	A
trans-Chlordane	ND		ug/kg	1.94	0.513	A
Chlordane	ND		ug/kg	12.9	5.14	A

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/31/20 19:07
Analyst: DGM

Extraction Method: EPA 3546
Extraction Date: 08/29/20 14:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-12 Batch: WG1404467-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/01/20 11:21
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 08/31/20 08:14

Methylation Date: 08/31/20 22:53

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1404724-1						
2,4-D	ND		ug/kg	163	10.3	A
2,4,5-T	ND		ug/kg	163	5.05	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.33	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	57		30-150	A
DCAA	64		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/02/20 10:22
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/01/20 03:58

Methylation Date: 09/02/20 04:45

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 04-09 Batch: WG1405065-1						
2,4-D	ND		ug/kg	165	10.4	A
2,4,5-T	ND		ug/kg	165	5.12	A
2,4,5-TP (Silvex)	ND		ug/kg	165	4.40	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	89		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/02/20 11:52
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/01/20 09:13

Methylation Date: 09/02/20 05:17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 13 Batch: WG1405163-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	96		30-150	A
DCAA	84		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/02/20 08:13
Analyst: SM

Extraction Method: EPA 3510C
Extraction Date: 09/01/20 16:26

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 13 Batch: WG1405381-1						
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: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/02/20 08:13
Analyst: SM

Extraction Method: EPA 3510C
Extraction Date: 09/01/20 16:26

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 13 Batch: WG1405381-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/03/20 07:42
Analyst: SM

Extraction Method: EPA 8151A
Extraction Date: 09/02/20 00:03

Methylation Date: 09/02/20 21:48

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 10-12 Batch: WG1405458-1						
2,4-D	ND		ug/kg	164	10.4	A
2,4,5-T	ND		ug/kg	164	5.10	A
2,4,5-TP (Silvex)	ND		ug/kg	164	4.38	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-12 Batch: WG1404467-2 WG1404467-3									
Delta-BHC	78		94		30-150	19		30	A
Lindane	72		85		30-150	17		30	A
Alpha-BHC	87		100		30-150	14		30	A
Beta-BHC	78		93		30-150	18		30	A
Heptachlor	86		100		30-150	15		30	A
Aldrin	75		86		30-150	14		30	A
Heptachlor epoxide	76		88		30-150	15		30	A
Endrin	78		92		30-150	16		30	A
Endrin aldehyde	61		79		30-150	26		30	A
Endrin ketone	76		93		30-150	20		30	A
Dieldrin	82		94		30-150	14		30	A
4,4'-DDE	74		84		30-150	13		30	A
4,4'-DDD	84		99		30-150	16		30	A
4,4'-DDT	80		93		30-150	15		30	A
Endosulfan I	77		86		30-150	11		30	A
Endosulfan II	76		92		30-150	19		30	A
Endosulfan sulfate	69		85		30-150	21		30	A
Methoxychlor	78		93		30-150	18		30	A
cis-Chlordane	62		70		30-150	12		30	A
trans-Chlordane	81		94		30-150	15		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-12 Batch: WG1404467-2 WG1404467-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		91		30-150	A
Decachlorobiphenyl	62		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		85		30-150	B
Decachlorobiphenyl	84		94		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1404724-2 WG1404724-3									
2,4-D	61		65		30-150	6		30	A
2,4,5-T	63		63		30-150	0		30	A
2,4,5-TP (Silvex)	61		62		30-150	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	50		49		30-150	A
DCAA	61		60		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04-09 Batch: WG1405065-2 WG1405065-3									
2,4-D	96		97		30-150	1		30	A
2,4,5-T	97		99		30-150	2		30	A
2,4,5-TP (Silvex)	92		93		30-150	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	89		89		30-150	A
DCAA	89		97		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 13 Batch: WG1405163-2 WG1405163-3									
2,4-D	102		99		30-150	3		25	A
2,4,5-T	103		102		30-150	1		25	A
2,4,5-TP (Silvex)	99		98		30-150	1		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	90		89		30-150	A
DCAA	96		95		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 13 Batch: WG1405381-2 WG1405381-3									
Delta-BHC	56		57		30-150	1		20	A
Lindane	54		56		30-150	4		20	A
Alpha-BHC	59		62		30-150	5		20	A
Beta-BHC	64		60		30-150	7		20	A
Heptachlor	55		59		30-150	8		20	A
Aldrin	53		59		30-150	9		20	A
Heptachlor epoxide	55		60		30-150	7		20	A
Endrin	59		62		30-150	4		20	A
Endrin aldehyde	54		57		30-150	5		20	A
Endrin ketone	65		69		30-150	5		20	A
Dieldrin	61		66		30-150	7		20	A
4,4'-DDE	55		64		30-150	15		20	A
4,4'-DDD	65		68		30-150	4		20	A
4,4'-DDT	65		70		30-150	8		20	A
Endosulfan I	62		61		30-150	2		20	A
Endosulfan II	61		64		30-150	6		20	A
Endosulfan sulfate	61		63		30-150	4		20	A
Methoxychlor	76		72		30-150	6		20	A
cis-Chlordane	54		59		30-150	8		20	A
trans-Chlordane	57		61		30-150	7		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 13 Batch: WG1405381-2 WG1405381-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		62		30-150	A
Decachlorobiphenyl	79		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		69		30-150	B
Decachlorobiphenyl	67		73		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 10-12 Batch: WG1405458-2 WG1405458-3									
2,4-D	87		89		30-150	2		30	A
2,4,5-T	98		101		30-150	3		30	A
2,4,5-TP (Silvex)	104		108		30-150	4		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	80		86		30-150	A
DCAA	99		99		30-150	B

METALS

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-01
Client ID: SP-7 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 09:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4270		mg/kg	8.76	2.37	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Antimony, Total	1.33	J	mg/kg	4.38	0.333	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Arsenic, Total	2.19		mg/kg	0.876	0.182	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Barium, Total	172		mg/kg	0.876	0.152	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Beryllium, Total	0.219	J	mg/kg	0.438	0.029	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Cadmium, Total	1.63		mg/kg	0.876	0.086	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Calcium, Total	35400		mg/kg	87.6	30.7	20	08/31/20 13:13	09/01/20 22:27	EPA 3050B	1,6010D	BV
Chromium, Total	19.6		mg/kg	0.876	0.084	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Cobalt, Total	5.00		mg/kg	1.75	0.145	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Copper, Total	199		mg/kg	0.876	0.226	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Iron, Total	26200		mg/kg	4.38	0.791	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Lead, Total	1260		mg/kg	4.38	0.235	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Magnesium, Total	9180		mg/kg	8.76	1.35	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Manganese, Total	282		mg/kg	0.876	0.139	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Mercury, Total	7.28		mg/kg	0.394	0.257	5	08/31/20 12:52	09/01/20 09:59	EPA 7471B	1,7471B	EW
Nickel, Total	13.6		mg/kg	2.19	0.212	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Potassium, Total	912		mg/kg	219	12.6	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.75	0.226	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Silver, Total	4.41		mg/kg	0.876	0.248	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Sodium, Total	154	J	mg/kg	175	2.76	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.75	0.276	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Vanadium, Total	21.6		mg/kg	0.876	0.178	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV
Zinc, Total	200		mg/kg	4.38	0.257	2	08/31/20 13:13	09/01/20 21:19	EPA 3050B	1,6010D	BV

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-02
Client ID: SP-7 (8-8.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5820		mg/kg	9.08	2.45	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.54	0.345	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Arsenic, Total	2.13		mg/kg	0.908	0.189	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Barium, Total	69.0		mg/kg	0.908	0.158	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Beryllium, Total	0.154	J	mg/kg	0.454	0.030	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Cadmium, Total	0.145	J	mg/kg	0.908	0.089	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Calcium, Total	60200		mg/kg	90.8	31.8	20	08/31/20 13:13	09/02/20 17:25	EPA 3050B	1,6010D	BV
Chromium, Total	8.80		mg/kg	0.908	0.087	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Cobalt, Total	2.57		mg/kg	1.82	0.151	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Copper, Total	16.8		mg/kg	0.908	0.234	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Iron, Total	7280		mg/kg	4.54	0.820	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Lead, Total	77.1		mg/kg	4.54	0.243	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Magnesium, Total	3270		mg/kg	9.08	1.40	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Manganese, Total	169		mg/kg	0.908	0.144	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Mercury, Total	1.46		mg/kg	0.080	0.052	1	08/31/20 12:52	09/01/20 09:13	EPA 7471B	1,7471B	EW
Nickel, Total	5.57		mg/kg	2.27	0.220	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Potassium, Total	495		mg/kg	227	13.1	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.82	0.234	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Silver, Total	0.545	J	mg/kg	0.908	0.257	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Sodium, Total	136	J	mg/kg	182	2.86	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.82	0.286	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Vanadium, Total	10.7		mg/kg	0.908	0.184	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV
Zinc, Total	42.7		mg/kg	4.54	0.266	2	08/31/20 13:13	09/01/20 22:04	EPA 3050B	1,6010D	BV

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-03
Client ID: SP-8 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:20
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4910		mg/kg	7.98	2.15	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	3.99	0.303	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Arsenic, Total	3.59		mg/kg	0.798	0.166	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Barium, Total	77.5		mg/kg	0.798	0.139	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Beryllium, Total	0.255	J	mg/kg	0.399	0.026	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Cadmium, Total	0.734	J	mg/kg	0.798	0.078	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Calcium, Total	5100		mg/kg	7.98	2.79	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Chromium, Total	16.1		mg/kg	0.798	0.077	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Cobalt, Total	7.06		mg/kg	1.60	0.132	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Copper, Total	40.7		mg/kg	0.798	0.206	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Iron, Total	14900		mg/kg	3.99	0.720	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Lead, Total	124		mg/kg	3.99	0.214	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Magnesium, Total	1950		mg/kg	7.98	1.23	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Manganese, Total	231		mg/kg	0.798	0.127	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Mercury, Total	0.089		mg/kg	0.075	0.049	1	08/31/20 12:52	09/01/20 09:16	EPA 7471B	1,7471B	EW
Nickel, Total	22.7		mg/kg	1.99	0.193	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Potassium, Total	751		mg/kg	199	11.5	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.60	0.206	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.798	0.226	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Sodium, Total	63.2	J	mg/kg	160	2.51	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.60	0.251	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Vanadium, Total	20.8		mg/kg	0.798	0.162	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV
Zinc, Total	182		mg/kg	3.99	0.234	2	08/31/20 13:13	09/01/20 22:09	EPA 3050B	1,6010D	BV

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-04
Client ID: SP-8 (7-7.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:40
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2240		mg/kg	8.47	2.29	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Antimony, Total	0.889	J	mg/kg	4.23	0.322	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Arsenic, Total	5.66		mg/kg	0.847	0.176	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Barium, Total	78.8		mg/kg	0.847	0.147	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Beryllium, Total	0.195	J	mg/kg	0.423	0.028	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Cadmium, Total	0.203	J	mg/kg	0.847	0.083	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Calcium, Total	8500		mg/kg	8.47	2.96	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Chromium, Total	7.42		mg/kg	0.847	0.081	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Cobalt, Total	4.52		mg/kg	1.69	0.140	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Copper, Total	26.5		mg/kg	0.847	0.218	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Iron, Total	11900		mg/kg	4.23	0.765	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Lead, Total	179		mg/kg	4.23	0.227	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Magnesium, Total	530		mg/kg	8.47	1.30	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Manganese, Total	224		mg/kg	0.847	0.135	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Mercury, Total	3.42		mg/kg	0.356	0.232	5	08/31/20 12:52	09/01/20 10:12	EPA 7471B	1,7471B	EW
Nickel, Total	8.15		mg/kg	2.12	0.205	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Potassium, Total	320		mg/kg	212	12.2	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Selenium, Total	0.356	J	mg/kg	1.69	0.218	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.847	0.240	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Sodium, Total	119	J	mg/kg	169	2.67	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.69	0.267	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Vanadium, Total	15.4		mg/kg	0.847	0.172	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV
Zinc, Total	91.6		mg/kg	4.23	0.248	2	08/31/20 13:13	09/01/20 22:13	EPA 3050B	1,6010D	BV

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-05
Client ID: SP-8 (9-9.5')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 10:58
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6210		mg/kg	10.4	2.80	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	5.18	0.394	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Arsenic, Total	ND		mg/kg	1.04	0.215	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Barium, Total	24.3		mg/kg	1.04	0.180	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Beryllium, Total	0.135	J	mg/kg	0.518	0.034	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	1.04	0.101	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Calcium, Total	1900		mg/kg	10.4	3.62	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Chromium, Total	10.9		mg/kg	1.04	0.099	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Cobalt, Total	2.28		mg/kg	2.07	0.172	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Copper, Total	4.73		mg/kg	1.04	0.267	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Iron, Total	5040		mg/kg	5.18	0.935	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Lead, Total	8.54		mg/kg	5.18	0.278	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Magnesium, Total	1370		mg/kg	10.4	1.59	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Manganese, Total	46.8		mg/kg	1.04	0.165	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.099	0.065	1	08/31/20 12:52	09/01/20 09:26	EPA 7471B	1,7471B	EW
Nickel, Total	6.56		mg/kg	2.59	0.251	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Potassium, Total	643		mg/kg	259	14.9	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	2.07	0.267	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	1.04	0.293	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Sodium, Total	72.2	J	mg/kg	207	3.26	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	2.07	0.326	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Vanadium, Total	8.22		mg/kg	1.04	0.210	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV
Zinc, Total	19.0		mg/kg	5.18	0.303	2	08/31/20 13:13	09/01/20 22:18	EPA 3050B	1,6010D	BV

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-06
Client ID: SP-9 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 12:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3100		mg/kg	8.05	2.17	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Antimony, Total	0.901	J	mg/kg	4.02	0.306	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Arsenic, Total	12.3		mg/kg	0.805	0.167	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Barium, Total	100		mg/kg	0.805	0.140	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Beryllium, Total	0.266	J	mg/kg	0.402	0.027	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Cadmium, Total	0.579	J	mg/kg	0.805	0.079	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Calcium, Total	16700		mg/kg	8.05	2.82	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Chromium, Total	13.0		mg/kg	0.805	0.077	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Cobalt, Total	9.15		mg/kg	1.61	0.134	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Copper, Total	87.6		mg/kg	0.805	0.208	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Iron, Total	13200		mg/kg	4.02	0.727	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Lead, Total	183		mg/kg	4.02	0.216	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Magnesium, Total	10300		mg/kg	8.05	1.24	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Manganese, Total	242		mg/kg	0.805	0.128	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Mercury, Total	0.415		mg/kg	0.068	0.044	1	08/31/20 12:52	09/01/20 09:29	EPA 7471B	1,7471B	EW
Nickel, Total	29.0		mg/kg	2.01	0.195	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Potassium, Total	804		mg/kg	201	11.6	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.61	0.208	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.805	0.228	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Sodium, Total	74.4	J	mg/kg	161	2.53	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.61	0.253	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Vanadium, Total	20.5		mg/kg	0.805	0.163	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV
Zinc, Total	587		mg/kg	4.02	0.236	2	08/31/20 13:13	09/01/20 22:23	EPA 3050B	1,6010D	BV

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-07
Client ID: SP-9 (6.5-7.0')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 12:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7050		mg/kg	8.77	2.37	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Antimony, Total	3.89	J	mg/kg	4.38	0.333	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Arsenic, Total	6.58		mg/kg	0.877	0.182	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Barium, Total	80.6		mg/kg	0.877	0.152	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Beryllium, Total	0.447		mg/kg	0.438	0.029	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Cadmium, Total	0.535	J	mg/kg	0.877	0.086	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Calcium, Total	1850		mg/kg	8.77	3.07	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Chromium, Total	21.9		mg/kg	0.877	0.084	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Cobalt, Total	6.22		mg/kg	1.75	0.146	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Copper, Total	38.7		mg/kg	0.877	0.226	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Iron, Total	33400		mg/kg	4.38	0.792	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Lead, Total	169		mg/kg	4.38	0.235	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Magnesium, Total	1610		mg/kg	8.77	1.35	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Manganese, Total	310		mg/kg	0.877	0.139	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Mercury, Total	0.780		mg/kg	0.083	0.054	1	08/31/20 12:52	09/01/20 09:39	EPA 7471B	1,7471B	EW
Nickel, Total	13.4		mg/kg	2.19	0.212	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Potassium, Total	636		mg/kg	219	12.6	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.75	0.226	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.877	0.248	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Sodium, Total	54.0	J	mg/kg	175	2.76	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.75	0.276	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Vanadium, Total	29.4		mg/kg	0.877	0.178	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV
Zinc, Total	181		mg/kg	4.38	0.257	2	08/31/20 13:13	09/01/20 22:59	EPA 3050B	1,6010D	BV

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-08
Client ID: MW-2A (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 13:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6640		mg/kg	9.33	2.52	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.66	0.354	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Arsenic, Total	3.25		mg/kg	0.933	0.194	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Barium, Total	59.8		mg/kg	0.933	0.162	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Beryllium, Total	0.373	J	mg/kg	0.466	0.031	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Cadmium, Total	0.149	J	mg/kg	0.933	0.091	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Calcium, Total	1430		mg/kg	9.33	3.26	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Chromium, Total	11.4		mg/kg	0.933	0.090	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Cobalt, Total	4.30		mg/kg	1.86	0.155	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Copper, Total	15.8		mg/kg	0.933	0.241	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Iron, Total	12300		mg/kg	4.66	0.842	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Lead, Total	52.9		mg/kg	4.66	0.250	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Magnesium, Total	1400		mg/kg	9.33	1.44	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Manganese, Total	178		mg/kg	0.933	0.148	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Mercury, Total	0.172		mg/kg	0.082	0.054	1	08/31/20 12:52	09/01/20 09:42	EPA 7471B	1,7471B	EW
Nickel, Total	8.08		mg/kg	2.33	0.226	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Potassium, Total	423		mg/kg	233	13.4	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.86	0.241	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.933	0.264	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Sodium, Total	51.2	J	mg/kg	186	2.94	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.86	0.294	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Vanadium, Total	17.0		mg/kg	0.933	0.189	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV
Zinc, Total	44.0		mg/kg	4.66	0.273	2	08/31/20 13:13	09/01/20 23:04	EPA 3050B	1,6010D	BV

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-09
Client ID: SP-10 (0-2')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 14:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1450		mg/kg	8.22	2.22	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Antimony, Total	0.624	J	mg/kg	4.11	0.312	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Arsenic, Total	13.4		mg/kg	0.822	0.171	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Barium, Total	115		mg/kg	0.822	0.143	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Beryllium, Total	0.238	J	mg/kg	0.411	0.027	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Cadmium, Total	0.501	J	mg/kg	0.822	0.081	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Calcium, Total	30300		mg/kg	8.22	2.88	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Chromium, Total	7.95		mg/kg	0.822	0.079	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Cobalt, Total	3.40		mg/kg	1.64	0.136	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Copper, Total	33.4		mg/kg	0.822	0.212	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Iron, Total	16200		mg/kg	4.11	0.742	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Lead, Total	144		mg/kg	4.11	0.220	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Magnesium, Total	16000		mg/kg	8.22	1.26	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Manganese, Total	150		mg/kg	0.822	0.131	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Mercury, Total	0.151		mg/kg	0.066	0.043	1	08/31/20 12:52	09/01/20 09:45	EPA 7471B	1,7471B	EW
Nickel, Total	12.8		mg/kg	2.05	0.199	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Potassium, Total	255		mg/kg	205	11.8	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.64	0.212	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.822	0.232	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Sodium, Total	60.8	J	mg/kg	164	2.59	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.64	0.259	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Vanadium, Total	11.9		mg/kg	0.822	0.167	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV
Zinc, Total	116		mg/kg	4.11	0.241	2	08/31/20 13:13	09/01/20 23:08	EPA 3050B	1,6010D	BV

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-10
Client ID: SP-10 (7.5-8')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3740		mg/kg	8.28	2.24	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.14	0.315	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Arsenic, Total	0.447	J	mg/kg	0.828	0.172	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Barium, Total	28.8		mg/kg	0.828	0.144	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Beryllium, Total	0.166	J	mg/kg	0.414	0.027	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Cadmium, Total	0.174	J	mg/kg	0.828	0.081	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Calcium, Total	2340		mg/kg	8.28	2.90	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Chromium, Total	7.85		mg/kg	0.828	0.080	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Cobalt, Total	6.98		mg/kg	1.66	0.137	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Copper, Total	12.5		mg/kg	0.828	0.214	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Iron, Total	23800		mg/kg	4.14	0.748	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Lead, Total	60.8		mg/kg	4.14	0.222	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Magnesium, Total	966		mg/kg	8.28	1.28	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Manganese, Total	303		mg/kg	0.828	0.132	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Mercury, Total	0.362		mg/kg	0.074	0.048	1	08/31/20 12:52	09/01/20 09:49	EPA 7471B	1,7471B	EW
Nickel, Total	10.4		mg/kg	2.07	0.200	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Potassium, Total	389		mg/kg	207	11.9	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Selenium, Total	0.224	J	mg/kg	1.66	0.214	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.828	0.234	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Sodium, Total	55.5	J	mg/kg	166	2.61	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.66	0.261	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Vanadium, Total	13.4		mg/kg	0.828	0.168	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV
Zinc, Total	30.7		mg/kg	4.14	0.243	2	08/31/20 13:13	09/01/20 23:13	EPA 3050B	1,6010D	BV

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-11
Client ID: SP-10 (9.5-10')
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:15
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9150		mg/kg	8.52	2.30	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.26	0.324	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Arsenic, Total	0.332	J	mg/kg	0.852	0.177	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Barium, Total	44.9		mg/kg	0.852	0.148	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Beryllium, Total	0.349	J	mg/kg	0.426	0.028	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.852	0.083	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Calcium, Total	901		mg/kg	8.52	2.98	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Chromium, Total	23.5		mg/kg	0.852	0.082	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Cobalt, Total	6.46		mg/kg	1.70	0.141	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Copper, Total	16.0		mg/kg	0.852	0.220	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Iron, Total	10400		mg/kg	4.26	0.769	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Lead, Total	6.68		mg/kg	4.26	0.228	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Magnesium, Total	2910		mg/kg	8.52	1.31	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Manganese, Total	74.5		mg/kg	0.852	0.135	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.085	0.055	1	08/31/20 12:52	09/01/20 09:52	EPA 7471B	1,7471B	EW
Nickel, Total	13.4		mg/kg	2.13	0.206	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Potassium, Total	919		mg/kg	213	12.3	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.70	0.220	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.852	0.241	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Sodium, Total	35.6	J	mg/kg	170	2.68	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.70	0.268	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Vanadium, Total	19.0		mg/kg	0.852	0.173	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV
Zinc, Total	40.0		mg/kg	4.26	0.250	2	08/31/20 13:13	09/01/20 23:17	EPA 3050B	1,6010D	BV

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-12
Client ID: 20200826DUP
Sample Location: BROOKLYN, NY
Date Collected: 08/26/20 15:18
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8570		mg/kg	8.86	2.39	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.43	0.336	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Arsenic, Total	0.443	J	mg/kg	0.886	0.184	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Barium, Total	41.7		mg/kg	0.886	0.154	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Beryllium, Total	0.328	J	mg/kg	0.443	0.029	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.886	0.087	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Calcium, Total	827		mg/kg	8.86	3.10	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Chromium, Total	20.2		mg/kg	0.886	0.085	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Cobalt, Total	6.46		mg/kg	1.77	0.147	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Copper, Total	14.0		mg/kg	0.886	0.228	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Iron, Total	9740		mg/kg	4.43	0.800	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Lead, Total	6.38		mg/kg	4.43	0.237	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Magnesium, Total	2750		mg/kg	8.86	1.36	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Manganese, Total	70.4		mg/kg	0.886	0.141	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.087	0.057	1	08/31/20 12:52	09/01/20 09:55	EPA 7471B	1,7471B	EW
Nickel, Total	12.6		mg/kg	2.21	0.214	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Potassium, Total	821		mg/kg	221	12.8	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.77	0.228	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.886	0.251	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Sodium, Total	33.3	J	mg/kg	177	2.79	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.77	0.279	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Vanadium, Total	18.4		mg/kg	0.886	0.180	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV
Zinc, Total	37.1		mg/kg	4.43	0.259	2	08/31/20 13:13	09/01/20 23:22	EPA 3050B	1,6010D	BV

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-13
Client ID: 20200826EB
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Equipment Blank

Date Collected: 08/26/20 16:00
Date Received: 08/27/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Barium, Total	0.00017	J	mg/l	0.00050	0.00017	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/01/20 00:00	09/01/20 11:29	EPA 7470A	1,7470A	EW
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/31/20 23:00	09/01/20 08:50	EPA 3005A	1,6020B	AM

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

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): 01-12 Batch: WG1404137-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Chromium, Total	0.096	J	mg/kg	0.400	0.038	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Iron, Total	0.772	J	mg/kg	2.00	0.361	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Potassium, Total	ND		mg/kg	100	5.76	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/31/20 13:13	09/01/20 21:10	1,6010D	BV
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/31/20 13:13	09/01/20 21:10	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): 01-12 Batch: WG1404817-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/31/20 12:52	09/01/20 08:35	1,7471B	EW

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

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): 13 Batch: WG1404848-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/31/20 23:00	09/01/20 08:45	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035276
Report Date: 09/08/20

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): 13 Batch: WG1404853-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/01/20 00:00	09/01/20 11:24	1,7470A	EW

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 Batch: WG1404137-2 SRM Lot Number: D109-540								
Aluminum, Total	60		-		50-150	-		
Antimony, Total	146		-		19-250	-		
Arsenic, Total	97		-		70-130	-		
Barium, Total	91		-		75-125	-		
Beryllium, Total	96		-		75-125	-		
Cadmium, Total	96		-		75-125	-		
Calcium, Total	91		-		73-128	-		
Chromium, Total	94		-		70-130	-		
Cobalt, Total	94		-		75-125	-		
Copper, Total	91		-		75-125	-		
Iron, Total	99		-		35-165	-		
Lead, Total	96		-		72-128	-		
Magnesium, Total	79		-		62-138	-		
Manganese, Total	98		-		74-126	-		
Nickel, Total	94		-		70-130	-		
Potassium, Total	77		-		59-141	-		
Selenium, Total	94		-		68-132	-		
Silver, Total	96		-		68-131	-		
Sodium, Total	100		-		35-165	-		
Thallium, Total	96		-		68-131	-		
Vanadium, Total	94		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 Batch: WG1404137-2 SRM Lot Number: D109-540					
Zinc, Total	94	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-12 Batch: WG1404817-2 SRM Lot Number: D109-540					
Mercury, Total	95	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13 Batch: WG1404848-2					
Aluminum, Total	98	-	80-120	-	
Antimony, Total	102	-	80-120	-	
Arsenic, Total	107	-	80-120	-	
Barium, Total	103	-	80-120	-	
Beryllium, Total	110	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	98	-	80-120	-	
Chromium, Total	99	-	80-120	-	
Cobalt, Total	100	-	80-120	-	
Copper, Total	102	-	80-120	-	
Iron, Total	99	-	80-120	-	
Lead, Total	112	-	80-120	-	
Magnesium, Total	105	-	80-120	-	
Manganese, Total	98	-	80-120	-	
Nickel, Total	96	-	80-120	-	
Potassium, Total	99	-	80-120	-	
Selenium, Total	103	-	80-120	-	
Silver, Total	106	-	80-120	-	
Sodium, Total	105	-	80-120	-	
Thallium, Total	103	-	80-120	-	
Vanadium, Total	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13 Batch: WG1404848-2					
Zinc, Total	108	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 13 Batch: WG1404853-2					
Mercury, Total	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

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): 01-12 QC Batch ID: WG1404137-3 QC Sample: L2035276-01 Client ID: SP-7 (0-2')												
Aluminum, Total	4270	174	4340	**40**	Q	-	-		75-125	-		20
Antimony, Total	1.33J	43.6	39.0	90		-	-		75-125	-		20
Arsenic, Total	2.19	10.4	13.2	105		-	-		75-125	-		20
Barium, Total	172	174	260	**50**	Q	-	-		75-125	-		20
Beryllium, Total	0.219J	4.36	4.34	100		-	-		75-125	-		20
Cadmium, Total	1.63	4.44	5.04	77		-	-		75-125	-		20
Calcium, Total	35400	871	45000	**1100**	Q	-	-		75-125	-		20
Chromium, Total	19.6	17.4	31.9	**71**	Q	-	-		75-125	-		20
Cobalt, Total	5.00	43.6	42.5	86		-	-		75-125	-		20
Copper, Total	199	21.8	61.0	**0**	Q	-	-		75-125	-		20
Iron, Total	26200	87.1	16300	**0**	Q	-	-		75-125	-		20
Lead, Total	1260	44.4	269	**0**	Q	-	-		75-125	-		20
Magnesium, Total	9180	871	13600	**507**	Q	-	-		75-125	-		20
Manganese, Total	282	43.6	283	**2**	Q	-	-		75-125	-		20
Nickel, Total	13.6	43.6	47.6	78		-	-		75-125	-		20
Potassium, Total	912	871	1530	**71**	Q	-	-		75-125	-		20
Selenium, Total	ND	10.4	10.6	101		-	-		75-125	-		20
Silver, Total	4.41	26.1	29.4	96		-	-		75-125	-		20
Sodium, Total	154J	871	1040	119		-	-		75-125	-		20
Thallium, Total	ND	10.4	8.17	78		-	-		75-125	-		20
Vanadium, Total	21.6	43.6	58.7	85		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

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): 01-12 QC Batch ID: WG1404137-3 QC Sample: L2035276-01 Client ID: SP-7 (0-2')										
Zinc, Total	200	43.6	183	**0**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1404817-3 QC Sample: L2035276-01 Client ID: SP-7 (0-2')										
Mercury, Total	7.28	0.115	20.0	**11100**	Q	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

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): 13 QC Batch ID: WG1404848-3 QC Sample: L2035315-01 Client ID: MS Sample										
Aluminum, Total	0.173	2	2.16	99		-	-	75-125	-	20
Antimony, Total	ND	0.5	0.5845	117		-	-	75-125	-	20
Arsenic, Total	0.00403	0.12	0.1327	107		-	-	75-125	-	20
Barium, Total	0.0286	2	2.110	104		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05533	111		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05541	109		-	-	75-125	-	20
Calcium, Total	98.5	10	111	125		-	-	75-125	-	20
Chromium, Total	ND	0.2	0.2036	102		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.5134	103		-	-	75-125	-	20
Copper, Total	0.00509	0.25	0.2646	104		-	-	75-125	-	20
Iron, Total	0.930	1	2.10	117		-	-	75-125	-	20
Lead, Total	ND	0.51	0.5828	114		-	-	75-125	-	20
Magnesium, Total	120	10	129	90		-	-	75-125	-	20
Manganese, Total	0.6567	0.5	1.179	104		-	-	75-125	-	20
Nickel, Total	ND	0.5	0.4918	98		-	-	75-125	-	20
Potassium, Total	56.1	10	66.2	101		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.132	110		-	-	75-125	-	20
Silver, Total	ND	0.05	0.05290	106		-	-	75-125	-	20
Sodium, Total	1310	10	1290	**0**	Q	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1283	107		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5037	101		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

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): 13 QC Batch ID: WG1404848-3 QC Sample: L2035315-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.5461	109	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1404853-3 QC Sample: L2035276-13 Client ID: 20200826EB									
Mercury, Total	ND	0.005	0.00488	98	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1404137-4 QC Sample: L2035276-01 Client ID: SP-7 (0-2')						
Aluminum, Total	4270	2810	mg/kg	**41**	Q	20
Antimony, Total	1.33J	1.20J	mg/kg	NC		20
Arsenic, Total	2.19	ND	mg/kg	NC		20
Barium, Total	172	86.6	mg/kg	**66**	Q	20
Beryllium, Total	0.219J	0.148J	mg/kg	NC		20
Cadmium, Total	1.63	1.07	mg/kg	**41**	Q	20
Chromium, Total	19.6	13.8	mg/kg	**35**	Q	20
Cobalt, Total	5.00	3.19	mg/kg	**44**	Q	20
Copper, Total	199	35.9	mg/kg	**139**	Q	20
Iron, Total	26200	38100	mg/kg	**37**	Q	20
Lead, Total	1260	422	mg/kg	**100**	Q	20
Magnesium, Total	9180	34000	mg/kg	**115**	Q	20
Manganese, Total	282	345	mg/kg	20		20
Nickel, Total	13.6	14.6	mg/kg	7		20
Potassium, Total	912	728	mg/kg	**22**	Q	20
Selenium, Total	ND	0.410J	mg/kg	NC		20
Silver, Total	4.41	2.64	mg/kg	**50**	Q	20
Sodium, Total	154J	108J	mg/kg	NC		20
Thallium, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1404137-4 QC Sample: L2035276-01 Client ID: SP-7 (0-2')						
Vanadium, Total	21.6	13.9	mg/kg	**43**	Q	20
Zinc, Total	200	141	mg/kg	**35**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1404137-4 QC Sample: L2035276-01 Client ID: SP-7 (0-2')						
Calcium, Total	35400	76800	mg/kg	**74**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1404817-4 QC Sample: L2035276-01 Client ID: SP-7 (0-2')						
Mercury, Total	7.28	5.94	mg/kg	20		20
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1404848-4 QC Sample: L2035315-01 Client ID: DUP Sample						
Arsenic, Total	0.00403	0.00404	mg/l	0		20
Cadmium, Total	ND	ND	mg/l	NC		20
Copper, Total	0.00509	0.00495J	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Zinc, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1404853-4 QC Sample: L2035276-13 Client ID: 20200826EB						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-01
Client ID: SP-7 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 09:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.1		%	0.100	NA	1	-	08/28/20 12:21	121,2540G	RI

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-02
Client ID: SP-7 (8-8.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:00
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.9		%	0.100	NA	1	-	08/28/20 12:21	121,2540G	RI

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-03
Client ID: SP-8 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:20
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.3		%	0.100	NA	1	-	08/28/20 12:21	121,2540G	RI

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-04
Client ID: SP-8 (7-7.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:40
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	08/28/20 12:21	121,2540G	RI

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-05
Client ID: SP-8 (9-9.5')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 10:58
Date Received: 08/27/20
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	74.1		%	0.100	NA	1	-	08/28/20 12:21	121,2540G	RI

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-06
Client ID: SP-9 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 12:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.0		%	0.100	NA	1	-	08/28/20 12:21	121,2540G	RI

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-07
Client ID: SP-9 (6.5-7.0')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 12:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	08/28/20 12:21	121,2540G	RI

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-08
Client ID: MW-2A (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 13:30
Date Received: 08/27/20
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	81.4		%	0.100	NA	1	-	08/28/20 12:21	121,2540G	RI

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-09
Client ID: SP-10 (0-2')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 14:50
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.7		%	0.100	NA	1	-	08/28/20 12:21	121,2540G	RI

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-10
Client ID: SP-10 (7.5-8')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:30
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	08/28/20 12:21	121,2540G	RI

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-11
Client ID: SP-10 (9.5-10')
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:15
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	08/28/20 12:21	121,2540G	RI

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

SAMPLE RESULTS

Lab ID: L2035276-12
Client ID: 20200826DUP
Sample Location: BROOKLYN, NY

Date Collected: 08/26/20 15:18
Date Received: 08/27/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	08/28/20 12:21	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035276

Report Date: 09/08/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1404072-1 QC Sample: L2035276-01 Client ID: SP-7 (0-2')						
Solids, Total	87.1	87.3	%	0		20

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2035276-01A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-01B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-01C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2035276-01E	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2035276-01F	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2035276-01X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-01Y	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-01Z	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-02A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-02B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-02C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2035276-02E	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2035276-02F	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2035276-02X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2035276-02Y	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-02Z	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-03A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-03B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-03C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-03D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2035276-03E	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2035276-03F	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2035276-03X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-03Y	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-03Z	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-04A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-04B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-04C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-04D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2035276-04E	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2035276-04F	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2035276-04X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-04Y	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-04Z	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-05A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-05B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-05C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2035276-05D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2035276-05E	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2035276-05F	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2035276-05X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-05Y	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-05Z	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-06A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-06B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-06C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-06D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2035276-06E	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2035276-06F	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2035276-06X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-06Y	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-06Z	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-07A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-07B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-07C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-07D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2035276-07E	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2035276-07F	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2035276-07X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-07Y	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-07Z	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-08A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-08B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-08C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-08D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2035276-08E	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2035276-08F	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2035276-08X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-08Y	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-08Z	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-09A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-09B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-09C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-09D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2035276-09E	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2035276-09F	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2035276-09X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-09Y	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-09Z	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2035276-10A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-10B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-10C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-10D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	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),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2035276-10E	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2035276-10F	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2035276-10X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-10Y	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-10Z	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-11A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-11B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-11C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-11D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2035276-11E	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2035276-11F	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L2035276-11G	Plastic 8oz unpreserved	B	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2035276-11H	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2035276-11X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-11Y	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-11Z	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-12A	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-12B	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-12C	5 gram Encore Sampler	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2035276-12D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2035276-12E	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2035276-12F	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L2035276-12G	Plastic 8oz unpreserved	B	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2035276-12H	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2035276-12X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2035276-12Y	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-12Z	Vial Water preserved split	A	NA		4.2	Y	Absent	28-AUG-20 06:31	NYTCL-8260HLW(14)
L2035276-13A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2035276-13B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2035276-13C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2035276-13D	Plastic 250ml unpreserved	B	NA		3.7	Y	Absent		-
L2035276-13E	Plastic 250ml HNO3 preserved	B	<2	<2	3.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),MG-6020T(180),CD-6020T(180),AL-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180)
L2035276-13F	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8081(7)
L2035276-13G	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8081(7)
L2035276-13H	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L2035276-13J	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L2035276-13K	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2035276-13L	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2035276-13M	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		A2-14-DIOXANESIM-PPB(7)
L2035276-13N	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		A2-14-DIOXANESIM-PPB(7)

*Values in parentheses indicate holding time in days

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2035276-13O	Amber 1000ml unpreserved	B	7	7	3.7	Y	Absent		HERB-APA(7)
L2035276-13P	Amber 1000ml unpreserved	B	7	7	3.7	Y	Absent		HERB-APA(7)

*Values in parentheses indicate holding time in days

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035276
Report Date: 09/08/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
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
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
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
FLUOROTELOMERS		
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
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
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
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
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
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1

Project Name:	100 UNION AVE	**Lab Number:**	L2035276
Project Number:	12.0076932.00	**Report Date:**	09/08/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	100 UNION AVE	**Lab Number:**	L2035276
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1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

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. 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.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	100 UNION AVE	**Lab Number:**	L2035276
Project Number:	12.0076932.00	**Report Date:**	09/08/20

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	100 UNION AVE	**Lab Number:**	L2035276
Project Number:	12.0076932.00	**Report Date:**	09/08/20

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: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, 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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

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NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 08/28/20

ALPHA Job #: L2035276

Client Information
Client: GZA GeoEnvironmental
Address: 55 Lane Rd
Fairfield NJ
Phone: 973-774-3300
Fax:
Email: Michael.Bastides@gza.com

Project Information
Project Name: 100 Union Ave
Project Location: Brooklyn NY
Project #: 12.0076932.00
(Use Project name as Project #) ☐
Project Manager: Meredith Hayes
ALPHAQuote #:

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

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

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

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	Pesticides	Herbicides	PCB's	Metals	1,4 Dioxane	PFAS	Sample Specific Comments	Total Bottle
352276-01	SP-7 (0-2')	8.26.20	950	Soil	MB	X	X	X	X	X	X				
-02	SP-7 (8-8.5')	8.26.20	1000	Soil	MB	X	X	X	X	X	X				
-03	SP-8 (0-2')	8.26.20	1020	Soil	MB	X	X	X	X	X	X				
-04	SP-8 (7-7.5')	8.26.20	1040	Soil	MB	X	X	X	X	X	X				
-05	SP-8 (9-9.5')	8.26.20	1058	Soil	MB	X	X	X	X	X	X				
-06	SP-9 (0-2')	8.26.20	1230	Soil	MB	X	X	X	X	X	X				
-07	SP-9 (6.5-7.0')	8.26.20	1250	Soil	MB	X	X	X	X	X	X				
-08	MW-2a (0-2')	8.26.20	1330	Soil	MB	H	H	H	H	H	H				
-09															
08/28/2040															

Container Type: APE | APE | APE | APE | APE | APE
Preservative: A | A | A | A | A | A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

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

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/27/20 1315	[signature]	8/27/20 1315
[signature]	8/27/20 1845	[signature]	8/27/2020
[signature] 8/28/20	0015	[signature]	8/28/20 0015

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 08/28/20

ALPHA Job #: L2035276

Client Information
Client: G2A Geo Environmental
Address: 55 Lane Rd
Fairfield NJ
Phone: 973-777-3300
Fax:
Email: Michael.Bastidas@g2a.com

Project Information
Project Name: 100 Clinton Ave
Project Location: Brooklyn NY
Project #: 12.0076932.00
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

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

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

Billing Information
☐ Same as Client Info
PO #

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

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	Pesticides	Herbicides	PCB's	Metals	1,4-Dioxane	PFAS	Sample Specific Comments	Total Bottle
35276-09	SP-10 (0-2')	8-26-20	1450	Soil	MB	X	X	X	X	X	X				
-10	SP-10 (7.5-8')	8-26-20	1530	Soil	MB	X	X	X	X	X	X				
-11 -13	SP-10 (9.5-10')	8-26-20	1515	Soil	MB	X	X	X	X	X	X	X	X		
-12 -14	20200826 Dup	8-26-20	1518	Soil	MB	X	X	X	X	X	X	X	X		
-13 -15	20200826 FB	8-26-20	1600	DI	MB	X	X	X	X	X	X	X	X		
-16															
8/28/20 -17															
-18															

Container Type	APE	HPE	APE	APE	APE	APE	APE	APE
Preservative	B	A	A	A	A	A	A	A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

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

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	8/27/20 1320		8/27/20 1315
	8/27/20 1845		8/27/20 2200
	8/28/20 0015		8/28/20 00:15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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

APPENDIX K – SOIL VAPOR ANALYTICAL LABORATORY REPORT

ANALYTICAL REPORT

Lab Number:	L2035485
Client:	GZA GeoEnvironmental, Inc. 55 Lane Road Suite 407 Fairfield, NJ 07004
ATTN:	Meredith Hayes
Phone:	(973) 774-3300
Project Name:	100 UNION AVE
Project Number:	12.0076932.00
Report Date:	09/04/20

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

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

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2035485-01	SV-5	SOIL_VAPOR	BROOKLYN, NY	08/27/20 16:40	08/28/20
L2035485-02	SV-6	SOIL_VAPOR	BROOKLYN, NY	08/27/20 16:41	08/28/20
L2035485-03	20200827 DUP	SOIL_VAPOR	BROOKLYN, NY	08/27/20 16:42	08/28/20
L2035485-04	SV-7	SOIL_VAPOR	BROOKLYN, NY	08/27/20 16:45	08/28/20

Project Name:	100 UNION AVE	**Lab Number:**	L2035485
Project Number:	12.0076932.00	**Report Date:**	09/04/20

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	100 UNION AVE	**Lab Number:**	L2035485
Project Number:	12.0076932.00	**Report Date:**	09/04/20

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 10, 2020. The canister certification results are provided as an addendum.

L2035485-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2035485-03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2035485-04: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG1406331-3 LCS recoveries for 1,2-dichloroethane (135%), 1,1,1-trichloroethane (140%) and carbon tetrachloride (139%) are above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

Sample Receipt

The canister ID number for the sample designated SV-6 (L2035485-02) is listed on the CoC as 3090 but should be 3095.

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: 09/04/20

AIR

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

SAMPLE RESULTS

Lab ID: L2035485-01 D
Client ID: SV-5
Sample Location: BROOKLYN, NY

Date Collected: 08/27/20 16:40
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/04/20 08:29
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.667	--	ND	3.30	--		3.333
Chloromethane	ND	0.667	--	ND	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.71	--		3.333
1,3-Butadiene	ND	0.667	--	ND	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	ND	16.7	--	ND	31.5	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	67.4	3.33	--	160	7.91	--		3.333
Trichlorofluoromethane	ND	0.667	--	ND	3.75	--		3.333
Isopropanol	2.14	1.67	--	5.26	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Tertiary butyl Alcohol	ND	1.67	--	ND	5.06	--		3.333
Methylene chloride	ND	1.67	--	ND	5.80	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	ND	0.667	--	ND	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
1,1-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
2-Butanone	2.13	1.67	--	6.28	4.93	--		3.333
cis-1,2-Dichloroethene	2.90	0.667	--	11.5	2.64	--		3.333

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

SAMPLE RESULTS

Lab ID: L2035485-01 D
Client ID: SV-5
Sample Location: BROOKLYN, NY

Date Collected: 08/27/20 16:40
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333
Chloroform	0.830	0.667	--	4.05	3.26	--		3.333
Tetrahydrofuran	ND	1.67	--	ND	4.93	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	ND	0.667	--	ND	2.35	--		3.333
1,1,1-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Benzene	ND	0.667	--	ND	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	ND	0.667	--	ND	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	11.4	0.667	--	61.3	3.58	--		3.333
2,2,4-Trimethylpentane	ND	0.667	--	ND	3.12	--		3.333
Heptane	ND	0.667	--	ND	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	ND	1.67	--	ND	6.84	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	ND	0.667	--	ND	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.13	--		3.333
Tetrachloroethene	214	0.667	--	1450	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	ND	0.667	--	ND	2.90	--		3.333

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

SAMPLE RESULTS

Lab ID: L2035485-01 D
Client ID: SV-5
Sample Location: BROOKLYN, NY

Date Collected: 08/27/20 16:40
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	1.33	--	ND	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333
Styrene	ND	0.667	--	ND	2.84	--		3.333
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	ND	0.667	--	ND	2.90	--		3.333
4-Ethyltoluene	ND	0.667	--	ND	3.28	--		3.333
1,3,5-Trimethylbenzene	ND	0.667	--	ND	3.28	--		3.333
1,2,4-Trimethylbenzene	ND	0.667	--	ND	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	97		60-140

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

SAMPLE RESULTS

Lab ID: L2035485-02
Client ID: SV-6
Sample Location: BROOKLYN, NY

Date Collected: 08/27/20 16:41
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/03/20 23:54
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.338	0.200	--	1.67	0.989	--		1
Chloromethane	0.348	0.200	--	0.719	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	45.0	5.00	--	84.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	116	1.00	--	276	2.38	--		1
Trichlorofluoromethane	0.448	0.200	--	2.52	1.12	--		1
Isopropanol	4.76	0.500	--	11.7	1.23	--		1
1,1-Dichloroethene	0.306	0.200	--	1.21	0.793	--		1
Tertiary butyl Alcohol	71.3	0.500	--	216	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.440	0.200	--	1.37	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	10.7	0.500	--	31.6	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

SAMPLE RESULTS

Lab ID: L2035485-02
Client ID: SV-6
Sample Location: BROOKLYN, NY

Date Collected: 08/27/20 16:41
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.211	0.200	--	1.03	0.977	--		1
Tetrahydrofuran	6.35	0.500	--	18.7	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.88	0.200	--	13.7	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.670	0.200	--	2.14	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.501	0.200	--	1.72	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	0.450	0.200	--	2.42	1.07	--		1
2,2,4-Trimethylpentane	4.46	0.200	--	20.8	0.934	--		1
Heptane	0.798	0.200	--	3.27	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.20	0.500	--	4.92	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	1.56	0.200	--	5.88	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	31.6	0.200	--	214	1.36	--		1
Chlorobenzene	0.320	0.200	--	1.47	0.921	--		1
Ethylbenzene	0.458	0.200	--	1.99	0.869	--		1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

SAMPLE RESULTS

Lab ID: L2035485-02
Client ID: SV-6
Sample Location: BROOKLYN, NY

Date Collected: 08/27/20 16:41
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.38	0.400	--	5.99	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.300	0.200	--	1.28	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.835	0.200	--	3.63	0.869	--		1
4-Ethyltoluene	0.246	0.200	--	1.21	0.983	--		1
1,3,5-Trimethylbenzene	0.511	0.200	--	2.51	0.983	--		1
1,2,4-Trimethylbenzene	1.88	0.200	--	9.24	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	3.24	0.200	--	19.5	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	0.228	0.200	--	1.69	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	92		60-140

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

SAMPLE RESULTS

Lab ID: L2035485-03 D
Client ID: 20200827 DUP
Sample Location: BROOKLYN, NY

Date Collected: 08/27/20 16:42
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/04/20 00:32
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.334	0.250	--	1.65	1.24	--		1.25
Chloromethane	0.512	0.250	--	1.06	0.516	--		1.25
Freon-114	ND	0.250	--	ND	1.75	--		1.25
Vinyl chloride	ND	0.250	--	ND	0.639	--		1.25
1,3-Butadiene	ND	0.250	--	ND	0.553	--		1.25
Bromomethane	ND	0.250	--	ND	0.971	--		1.25
Chloroethane	ND	0.250	--	ND	0.660	--		1.25
Ethanol	83.6	6.25	--	158	11.8	--		1.25
Vinyl bromide	ND	0.250	--	ND	1.09	--		1.25
Acetone	161	1.25	--	382	2.97	--		1.25
Trichlorofluoromethane	0.599	0.250	--	3.37	1.40	--		1.25
Isopropanol	8.42	0.625	--	20.7	1.54	--		1.25
1,1-Dichloroethene	0.532	0.250	--	2.11	0.991	--		1.25
Tertiary butyl Alcohol	124	0.625	--	376	1.89	--		1.25
Methylene chloride	ND	0.625	--	ND	2.17	--		1.25
3-Chloropropene	ND	0.250	--	ND	0.783	--		1.25
Carbon disulfide	0.442	0.250	--	1.38	0.779	--		1.25
Freon-113	ND	0.250	--	ND	1.92	--		1.25
trans-1,2-Dichloroethene	ND	0.250	--	ND	0.991	--		1.25
1,1-Dichloroethane	ND	0.250	--	ND	1.01	--		1.25
Methyl tert butyl ether	ND	0.250	--	ND	0.901	--		1.25
2-Butanone	15.4	0.625	--	45.4	1.84	--		1.25
cis-1,2-Dichloroethene	ND	0.250	--	ND	0.991	--		1.25

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

SAMPLE RESULTS

Lab ID: L2035485-03 D
Client ID: 20200827 DUP
Sample Location: BROOKLYN, NY

Date Collected: 08/27/20 16:42
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	0.700	0.625	--	2.52	2.25	--		1.25
Chloroform	0.290	0.250	--	1.42	1.22	--		1.25
Tetrahydrofuran	11.5	0.625	--	33.9	1.84	--		1.25
1,2-Dichloroethane	ND	0.250	--	ND	1.01	--		1.25
n-Hexane	7.75	0.250	--	27.3	0.881	--		1.25
1,1,1-Trichloroethane	ND	0.250	--	ND	1.36	--		1.25
Benzene	0.869	0.250	--	2.78	0.799	--		1.25
Carbon tetrachloride	ND	0.250	--	ND	1.57	--		1.25
Cyclohexane	1.00	0.250	--	3.44	0.861	--		1.25
1,2-Dichloropropane	ND	0.250	--	ND	1.16	--		1.25
Bromodichloromethane	ND	0.250	--	ND	1.67	--		1.25
1,4-Dioxane	ND	0.250	--	ND	0.901	--		1.25
Trichloroethene	0.692	0.250	--	3.72	1.34	--		1.25
2,2,4-Trimethylpentane	3.71	0.250	--	17.3	1.17	--		1.25
Heptane	1.32	0.250	--	5.41	1.02	--		1.25
cis-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--		1.25
4-Methyl-2-pentanone	1.51	0.625	--	6.19	2.56	--		1.25
trans-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--		1.25
1,1,2-Trichloroethane	ND	0.250	--	ND	1.36	--		1.25
Toluene	2.82	0.250	--	10.6	0.942	--		1.25
2-Hexanone	ND	0.250	--	ND	1.02	--		1.25
Dibromochloromethane	ND	0.250	--	ND	2.13	--		1.25
1,2-Dibromoethane	ND	0.250	--	ND	1.92	--		1.25
Tetrachloroethene	5.46	0.250	--	37.0	1.70	--		1.25
Chlorobenzene	0.339	0.250	--	1.56	1.15	--		1.25
Ethylbenzene	0.749	0.250	--	3.25	1.09	--		1.25

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

SAMPLE RESULTS

Lab ID: L2035485-03 D
Client ID: 20200827 DUP
Sample Location: BROOKLYN, NY

Date Collected: 08/27/20 16:42
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.45	0.500	--	10.6	2.17	--		1.25
Bromoform	ND	0.250	--	ND	2.58	--		1.25
Styrene	0.526	0.250	--	2.24	1.06	--		1.25
1,1,2,2-Tetrachloroethane	ND	0.250	--	ND	1.72	--		1.25
o-Xylene	1.39	0.250	--	6.04	1.09	--		1.25
4-Ethyltoluene	0.420	0.250	--	2.06	1.23	--		1.25
1,3,5-Trimethylbenzene	0.840	0.250	--	4.13	1.23	--		1.25
1,2,4-Trimethylbenzene	3.30	0.250	--	16.2	1.23	--		1.25
Benzyl chloride	ND	0.250	--	ND	1.29	--		1.25
1,3-Dichlorobenzene	2.51	0.250	--	15.1	1.50	--		1.25
1,4-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,2-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,2,4-Trichlorobenzene	ND	0.250	--	ND	1.86	--		1.25
Hexachlorobutadiene	ND	0.250	--	ND	2.67	--		1.25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	96		60-140

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

SAMPLE RESULTS

Lab ID: L2035485-04 D
Client ID: SV-7
Sample Location: BROOKLYN, NY

Date Collected: 08/27/20 16:45
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/04/20 09:08
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.438	0.400	--	2.17	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	ND	10.0	--	ND	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	25.8	2.00	--	61.3	4.75	--		2
Trichlorofluoromethane	0.442	0.400	--	2.48	2.25	--		2
Isopropanol	ND	1.00	--	ND	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	ND	1.00	--	ND	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	1.13	0.400	--	3.52	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	ND	1.00	--	ND	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

SAMPLE RESULTS

Lab ID: L2035485-04 D
Client ID: SV-7
Sample Location: BROOKLYN, NY

Date Collected: 08/27/20 16:45
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2
Chloroform	1.18	0.400	--	5.76	1.95	--		2
Tetrahydrofuran	1.58	1.00	--	4.66	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	ND	0.400	--	ND	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	ND	0.400	--	ND	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	ND	0.400	--	ND	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	ND	0.400	--	ND	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	0.840	0.400	--	3.17	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	131	0.400	--	888	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	ND	0.400	--	ND	1.74	--		2

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

SAMPLE RESULTS

Lab ID: L2035485-04 D
Client ID: SV-7
Sample Location: BROOKLYN, NY

Date Collected: 08/27/20 16:45
Date Received: 08/28/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.800	--	ND	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	ND	0.400	--	ND	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	95		60-140

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/03/20 15:36

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02-03 Batch: WG1406331-4								
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: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/03/20 15:36

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02-03 Batch: WG1406331-4								
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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035485
Report Date: 09/04/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/03/20 15:36

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02-03 Batch: WG1406331-4								
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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/03/20 14:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,04 Batch: WG1406365-4								
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: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/03/20 14:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,04 Batch: WG1406365-4								
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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2035485
Report Date: 09/04/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/03/20 14:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,04 Batch: WG1406365-4								
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: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035485

Report Date: 09/04/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03 Batch: WG1406331-3								
Dichlorodifluoromethane	111		-		70-130	-		
Chloromethane	102		-		70-130	-		
Freon-114	116		-		70-130	-		
Vinyl chloride	116		-		70-130	-		
1,3-Butadiene	115		-		70-130	-		
Bromomethane	113		-		70-130	-		
Chloroethane	110		-		70-130	-		
Ethanol	106		-		40-160	-		
Vinyl bromide	112		-		70-130	-		
Acetone	88		-		40-160	-		
Trichlorofluoromethane	125		-		70-130	-		
Isopropanol	73		-		40-160	-		
1,1-Dichloroethene	121		-		70-130	-		
Tertiary butyl Alcohol	94		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	114		-		70-130	-		
Carbon disulfide	89		-		70-130	-		
Freon-113	107		-		70-130	-		
trans-1,2-Dichloroethene	108		-		70-130	-		
1,1-Dichloroethane	109		-		70-130	-		
Methyl tert butyl ether	110		-		70-130	-		
2-Butanone	102		-		70-130	-		
cis-1,2-Dichloroethene	113		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035485

Report Date: 09/04/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03 Batch: WG1406331-3								
Ethyl Acetate	113		-		70-130	-		
Chloroform	121		-		70-130	-		
Tetrahydrofuran	100		-		70-130	-		
1,2-Dichloroethane	**135**	Q	-		70-130	-		
n-Hexane	111		-		70-130	-		
1,1,1-Trichloroethane	**140**	Q	-		70-130	-		
Benzene	99		-		70-130	-		
Carbon tetrachloride	**139**	Q	-		70-130	-		
Cyclohexane	109		-		70-130	-		
1,2-Dichloropropane	108		-		70-130	-		
Bromodichloromethane	129		-		70-130	-		
1,4-Dioxane	110		-		70-130	-		
Trichloroethene	110		-		70-130	-		
2,2,4-Trimethylpentane	113		-		70-130	-		
Heptane	106		-		70-130	-		
cis-1,3-Dichloropropene	116		-		70-130	-		
4-Methyl-2-pentanone	114		-		70-130	-		
trans-1,3-Dichloropropene	106		-		70-130	-		
1,1,2-Trichloroethane	111		-		70-130	-		
Toluene	91		-		70-130	-		
2-Hexanone	93		-		70-130	-		
Dibromochloromethane	109		-		70-130	-		
1,2-Dibromoethane	91		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035485

Report Date: 09/04/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03 Batch: WG1406331-3								
Tetrachloroethene	93		-		70-130	-		
Chlorobenzene	91		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
p/m-Xylene	101		-		70-130	-		
Bromoform	111		-		70-130	-		
Styrene	91		-		70-130	-		
1,1,2,2-Tetrachloroethane	100		-		70-130	-		
o-Xylene	101		-		70-130	-		
4-Ethyltoluene	94		-		70-130	-		
1,3,5-Trimethylbenzene	98		-		70-130	-		
1,2,4-Trimethylbenzene	90		-		70-130	-		
Benzyl chloride	107		-		70-130	-		
1,3-Dichlorobenzene	99		-		70-130	-		
1,4-Dichlorobenzene	102		-		70-130	-		
1,2-Dichlorobenzene	101		-		70-130	-		
1,2,4-Trichlorobenzene	97		-		70-130	-		
Hexachlorobutadiene	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035485

Report Date: 09/04/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04 Batch: WG1406365-3								
Dichlorodifluoromethane	86		-		70-130	-		
Chloromethane	89		-		70-130	-		
Freon-114	91		-		70-130	-		
Vinyl chloride	86		-		70-130	-		
1,3-Butadiene	95		-		70-130	-		
Bromomethane	88		-		70-130	-		
Chloroethane	87		-		70-130	-		
Ethanol	76		-		40-160	-		
Vinyl bromide	87		-		70-130	-		
Acetone	70		-		40-160	-		
Trichlorofluoromethane	88		-		70-130	-		
Isopropanol	74		-		40-160	-		
1,1-Dichloroethene	91		-		70-130	-		
Tertiary butyl Alcohol	84		-		70-130	-		
Methylene chloride	95		-		70-130	-		
3-Chloropropene	94		-		70-130	-		
Carbon disulfide	88		-		70-130	-		
Freon-113	93		-		70-130	-		
trans-1,2-Dichloroethene	87		-		70-130	-		
1,1-Dichloroethane	91		-		70-130	-		
Methyl tert butyl ether	93		-		70-130	-		
2-Butanone	92		-		70-130	-		
cis-1,2-Dichloroethene	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035485

Report Date: 09/04/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04 Batch: WG1406365-3								
Ethyl Acetate	96		-		70-130	-		
Chloroform	96		-		70-130	-		
Tetrahydrofuran	92		-		70-130	-		
1,2-Dichloroethane	91		-		70-130	-		
n-Hexane	96		-		70-130	-		
1,1,1-Trichloroethane	96		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	98		-		70-130	-		
Cyclohexane	95		-		70-130	-		
1,2-Dichloropropane	95		-		70-130	-		
Bromodichloromethane	98		-		70-130	-		
1,4-Dioxane	93		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	95		-		70-130	-		
Heptane	97		-		70-130	-		
cis-1,3-Dichloropropene	105		-		70-130	-		
4-Methyl-2-pentanone	100		-		70-130	-		
trans-1,3-Dichloropropene	91		-		70-130	-		
1,1,2-Trichloroethane	97		-		70-130	-		
Toluene	95		-		70-130	-		
2-Hexanone	100		-		70-130	-		
Dibromochloromethane	102		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2035485

Report Date: 09/04/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04 Batch: WG1406365-3								
Tetrachloroethene	98		-		70-130	-		
Chlorobenzene	100		-		70-130	-		
Ethylbenzene	99		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	105		-		70-130	-		
Styrene	102		-		70-130	-		
1,1,2,2-Tetrachloroethane	99		-		70-130	-		
o-Xylene	100		-		70-130	-		
4-Ethyltoluene	101		-		70-130	-		
1,3,5-Trimethylbenzene	102		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		
Benzyl chloride	103		-		70-130	-		
1,3-Dichlorobenzene	103		-		70-130	-		
1,4-Dichlorobenzene	103		-		70-130	-		
1,2-Dichlorobenzene	102		-		70-130	-		
1,2,4-Trichlorobenzene	101		-		70-130	-		
Hexachlorobutadiene	108		-		70-130	-		

Project Name: 100 UNION AVE

Lab Number: L2035485

Project Number: 12.0076932.00

Report Date: 09/04/20

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2035485-01	SV-5	01444	Flow 4	07/10/20	325954		-	-	-	Pass	6.0	6.8	13
L2035485-01	SV-5	3451	2.7L Can	07/10/20	325954	L2001503-10	Pass	-29.4	-5.3	-	-	-	-
L2035485-02	SV-6	0366	Flow 5	07/10/20	325954		-	-	-	Pass	6.0	6.7	11
L2035485-02	SV-6	3095	2.7L Can	07/10/20	325954	L1947938-02	Pass	-29.4	-5.8	-	-	-	-
L2035485-03	20200827 DUP	0716	Flow 5	07/10/20	325954		-	-	-	Pass	6.0	6.8	13
L2035485-03	20200827 DUP	415	2.7L Can	07/10/20	325954	L2023559-02	Pass	-29.4	-7.1	-	-	-	-
L2035485-04	SV-7	01381	Flow 5	07/10/20	325954		-	-	-	Pass	6.0	6.7	11
L2035485-04	SV-7	3244	2.7L Can	07/10/20	325954	L1952043-03	Pass	-29.4	-5.5	-	-	-	-

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1947938
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L1947938-02
Client ID: 3095
Sample Location:

Date Collected: 10/10/19 16:00
Date Received: 10/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/29/19 21:28
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
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: INDIV. CANISTER CERTIFICATION **Lab Number:** L1947938

Project Number: CANISTER QC INDIV **Report Date:** 09/04/20

Air Canister Certification Results

Lab ID: L1947938-02
Client ID: 3095
Sample Location:

Date Collected: 10/10/19 16:00
Date Received: 10/14/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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	0.200	--	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	0.200	--	ND	0.793	--		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: INDIV. CANISTER CERTIFICATION **Lab Number:** L1947938

Project Number: CANISTER QC INDIV **Report Date:** 09/04/20

Air Canister Certification Results

Lab ID: L1947938-02
Client ID: 3095
Sample Location:

Date Collected: 10/10/19 16:00
Date Received: 10/14/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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: INDIV. CANISTER CERTIFICATION **Lab Number:** L1947938

Project Number: CANISTER QC INDIV **Report Date:** 09/04/20

Air Canister Certification Results

Lab ID: L1947938-02
Client ID: 3095
Sample Location:

Date Collected: 10/10/19 16:00
Date Received: 10/14/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-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: INDIV. CANISTER CERTIFICATION **Lab Number:** L1947938

Project Number: CANISTER QC INDIV **Report Date:** 09/04/20

Air Canister Certification Results

Lab ID: L1947938-02
Client ID: 3095
Sample Location:

Date Collected: 10/10/19 16:00
Date Received: 10/14/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	93		60-140

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L1947938

Project Number: CANISTER QC INDIV **Report Date:** 09/04/20

Air Canister Certification Results

Lab ID: L1947938-02
Client ID: 3095
Sample Location:

Date Collected: 10/10/19 16:00
Date Received: 10/14/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/29/19 21:28
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.500	--	ND	0.500	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acetone	ND	2.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L1947938

Project Number: CANISTER QC INDIV **Report Date:** 09/04/20

Air Canister Certification Results

Lab ID: L1947938-02
Client ID: 3095
Sample Location:

Date Collected: 10/10/19 16:00
Date Received: 10/14/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	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	0.500	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.500	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1947938
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L1947938-02
Client ID: 3095
Sample Location:

Date Collected: 10/10/19 16:00
Date Received: 10/14/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	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	99		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L1952043-03
Client ID: CAN 3244
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/08/19 22:05
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L1952043-03
Client ID: CAN 3244
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		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
1,1,1-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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L1952043-03
Client ID: CAN 3244
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L1952043-03
Client ID: CAN 3244
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L1952043-03
Client ID: CAN 3244
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	104		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L1952043
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L1952043-03
Client ID: CAN 3244
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/08/19 22:05
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.500	--	ND	0.500	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acetone	ND	2.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L1952043

Project Number: CANISTER QC INDIV **Report Date:** 09/04/20

Air Canister Certification Results

Lab ID: L1952043-03
Client ID: CAN 3244
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	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	0.500	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.500	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L1952043

Project Number: CANISTER QC INDIV **Report Date:** 09/04/20

Air Canister Certification Results

Lab ID: L1952043-03
Client ID: CAN 3244
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	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	98		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	100		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2001503
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L2001503-10
Client ID: CAN 3451
Sample Location:

Date Collected: 01/10/20 16:00
Date Received: 01/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/14/20 07:10
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
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: INDIV. CANISTER CERTIFICATION **Lab Number:** L2001503

Project Number: CANISTER QC INDIV **Report Date:** 09/04/20

Air Canister Certification Results

Lab ID: L2001503-10
Client ID: CAN 3451
Sample Location:

Date Collected: 01/10/20 16:00
Date Received: 01/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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	0.200	--	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	0.200	--	ND	0.793	--		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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2001503
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L2001503-10
Client ID: CAN 3451
Sample Location:

Date Collected: 01/10/20 16:00
Date Received: 01/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2001503
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L2001503-10
Client ID: CAN 3451
Sample Location:

Date Collected: 01/10/20 16:00
Date Received: 01/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-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: INDIV. CANISTER CERTIFICATION **Lab Number:** L2001503

Project Number: CANISTER QC INDIV **Report Date:** 09/04/20

Air Canister Certification Results

Lab ID: L2001503-10
Client ID: CAN 3451
Sample Location:

Date Collected: 01/10/20 16:00
Date Received: 01/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L2001503

Project Number: CANISTER QC INDIV **Report Date:** 09/04/20

Air Canister Certification Results

Lab ID: L2001503-10
Client ID: CAN 3451
Sample Location:

Date Collected: 01/10/20 16:00
Date Received: 01/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/14/20 07:10
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.500	--	ND	0.500	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acetone	ND	2.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L2001503

Project Number: CANISTER QC INDIV **Report Date:** 09/04/20

Air Canister Certification Results

Lab ID: L2001503-10
Client ID: CAN 3451
Sample Location:

Date Collected: 01/10/20 16:00
Date Received: 01/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	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	0.500	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.500	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L2001503

Project Number: CANISTER QC INDIV **Report Date:** 09/04/20

Air Canister Certification Results

Lab ID: L2001503-10
Client ID: CAN 3451
Sample Location:

Date Collected: 01/10/20 16:00
Date Received: 01/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	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	93		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2023559
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L2023559-02
Client ID: CAN 415 SHELF 12
Sample Location:

Date Collected: 06/05/20 16:00
Date Received: 06/08/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/09/20 05:12
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
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: L2023559
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L2023559-02
Client ID: CAN 415 SHELF 12
Sample Location:

Date Collected: 06/05/20 16:00
Date Received: 06/08/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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: L2023559
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L2023559-02
Client ID: CAN 415 SHELF 12
Sample Location:

Date Collected: 06/05/20 16:00
Date Received: 06/08/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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: L2023559
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L2023559-02
Client ID: CAN 415 SHELF 12
Sample Location:

Date Collected: 06/05/20 16:00
Date Received: 06/08/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-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: L2023559
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L2023559-02
Client ID: CAN 415 SHELF 12
Sample Location:

Date Collected: 06/05/20 16:00
Date Received: 06/08/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2023559
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L2023559-02
Client ID: CAN 415 SHELF 12
Sample Location:

Date Collected: 06/05/20 16:00
Date Received: 06/08/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/09/20 05:12
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
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: L2023559
Report Date: 09/04/20

Air Canister Certification Results

Lab ID: L2023559-02
Client ID: CAN 415 SHELF 12
Sample Location:

Date Collected: 06/05/20 16:00
Date Received: 06/08/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
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	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2023559

Project Number: CANISTER QC BAT **Report Date:** 09/04/20

Air Canister Certification Results

Lab ID: L2023559-02
Client ID: CAN 415 SHELF 12
Sample Location:

Date Collected: 06/05/20 16:00
Date Received: 06/08/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
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	92		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	92		60-140

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2035485
Report Date: 09/04/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2035485-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2035485-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2035485-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2035485-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	100 UNION AVE	**Lab Number:**	L2035485
Project Number:	12.0076932.00	**Report Date:**	09/04/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	100 UNION AVE	**Lab Number:**	L2035485
Project Number:	12.0076932.00	**Report Date:**	09/04/20

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. 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 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

Report Format: Data Usability Report

Project Name:	100 UNION AVE	**Lab Number:**	L2035485
Project Number:	12.0076932.00	**Report Date:**	09/04/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	100 UNION AVE	**Lab Number:**	L2035485
Project Number:	12.0076932.00	**Report Date:**	09/04/20

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

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: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, 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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 8/29/20

ALPHA Job #: L2035425

Client Information

Client: GZA GeoEnvironmental
Address: 55 Lane Rd
Fairfield NJ
Phone: 973-777-3300
Fax:
Email: Michael.Bastidas@gza.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 100 Union Ave
Project Location: Brooklyn NY
Project #: 12.0076932.00
Project Manager: Meredith Hayes
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (Subject Non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
35425-01	SV-5	8.27.20	1039	1640	-29.86	-4.64	SV	MB	1L	3451	01444	X					
02	SV-6	8.27.20	1054	1641	-29.97	-5.41	SV	MB	1L	3090	0366	X					
03	20200827 Dup	8.27.20	1055	1642	-29.98	-6.99	SV	MB	1L	415	0716	X					
04	SV-7	8.27.20	1058	1645	-29.75	-4.96	SV	MD	1L	3244	01381	X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
	8/28/20		
	8/28/20 1535		8/28/20 09:42
	8/29/20 0315		8/29/20 0315

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 Rev: (25-Sep-15)

APPENDIX L – GROUNDWATER ANALYTICAL LABORATORY REPORT

ANALYTICAL REPORT

Lab Number:	L2038282
Client:	GZA GeoEnvironmental, Inc. 55 Lane Road Suite 407 Fairfield, NJ 07004
ATTN:	Meredith Hayes
Phone:	(973) 774-3300
Project Name:	100 UNION AVE
Project Number:	12.0076932.00
Report Date:	09/28/20

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2038282-01	MW-3A	WATER	BROOKLYN, NY	09/14/20 10:30	09/15/20
L2038282-02	MW-5	WATER	BROOKLYN, NY	09/14/20 13:22	09/15/20
L2038282-03	20200914-DUP	WATER	BROOKLYN, NY	09/14/20 13:30	09/15/20
L2038282-04	MW-2A	WATER	BROOKLYN, NY	09/14/20 18:35	09/15/20
L2038282-05	MW-1A	WATER	BROOKLYN, NY	09/14/20 16:57	09/15/20
L2038282-06	MW-4A	WATER	BROOKLYN, NY	09/14/20 17:30	09/15/20
L2038282-07	20200914-FIELD BLANK	FIELD BLANK	BROOKLYN, NY	09/14/20 18:30	09/15/20
L2038282-08	20200914-EQUIPMENT BLANK	EQUIPMENT BLANK	BROOKLYN, NY	09/14/20 19:00	09/15/20
L2038282-09	TRIP BLANK	TRIP BLANK (AQUEOUS)	BROOKLYN, NY	09/09/20 00:00	09/15/20

Project Name:	100 UNION AVE	**Lab Number:**	L2038282
Project Number:	12.0076932.00	**Report Date:**	09/28/20

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	100 UNION AVE	**Lab Number:**	L2038282
Project Number:	12.0076932.00	**Report Date:**	09/28/20

Case Narrative (continued)

Report Submission

September 28, 2020: This final report includes the results of all requested analyses.

September 22, 2020: This is a preliminary report.

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

Sample Receipt

L2038282-04: The collection date and time were obtained from the container labels.

Semivolatile Organics

The WG1411852-1 Method Blank, associated with L2038282-01,-02,-03,-04,-05,-06, and -08, has a concentration above the reporting limit for Fluoranthene, Dimethyl phthalate, Benzo(a)anthracene, Chrysene, and Pyrene. Since the sample(s) were non-detect to the RL for this target analyte, no further actions were taken. The results of the original analysis are reported.

Perfluorinated Alkyl Acids by Isotope Dilution

L2038282-06: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Pesticides

L2038282-06: The internal standard (IS) response for 1-bromo-2-nitrobenzene (247%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. Since the IS response was above method criteria, all associated compounds reported from this column are considered to have a potentially low bias. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (21%) and decachlorobiphenyl (18%) due to interference with the Internal Standard.

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: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 09/28/20

ORGANICS

VOLATILES

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-01
Client ID: MW-3A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 10:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/17/20 18:30
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-01
Client ID: MW-3A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 10:30
Date Received: 09/15/20
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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-01
Client ID: MW-3A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 10:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-02
Client ID: MW-5
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 13:22
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/17/20 18:05
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-02
Client ID: MW-5
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 13:22
Date Received: 09/15/20
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	3.2	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-02
Client ID: MW-5
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 13:22
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	107		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-03
Client ID: 20200914-DUP
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 13:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/17/20 17:40
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-03
Client ID: 20200914-DUP
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 13:30
Date Received: 09/15/20
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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-03
Client ID: 20200914-DUP
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 13:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-04
Client ID: MW-2A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 18:35
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/17/20 17:14
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-04
Client ID: MW-2A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 18:35
Date Received: 09/15/20
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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-04
Client ID: MW-2A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 18:35
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-05
Client ID: MW-1A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 16:57
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/17/20 16:49
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.44	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-05
Client ID: MW-1A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 16:57
Date Received: 09/15/20
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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-05
Client ID: MW-1A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 16:57
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	105		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-06
Client ID: MW-4A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 17:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/17/20 16:24
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	14		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.24	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-06
Client ID: MW-4A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 17:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.75		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	13		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	4.4	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	1.6	J	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-06
Client ID: MW-4A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 17:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-08
Client ID: 20200914-EQUIPMENT BLANK
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 19:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8260C
Analytical Date: 09/17/20 15:59
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 100 UNION AVE **Lab Number:** L2038282

Project Number: 12.0076932.00 **Report Date:** 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-08 Date Collected: 09/14/20 19:00

Client ID: 20200914-EQUIPMENT BLANK Date Received: 09/15/20

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-08
Client ID: 20200914-EQUIPMENT BLANK
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 19:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-09
Client ID: TRIP BLANK
Sample Location: BROOKLYN, NY
Date Collected: 09/09/20 00:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260C
Analytical Date: 09/17/20 15:34
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-09
Client ID: TRIP BLANK
Sample Location: BROOKLYN, NY
Date Collected: 09/09/20 00:00
Date Received: 09/15/20
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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-09
Client ID: TRIP BLANK
Sample Location: BROOKLYN, NY
Date Collected: 09/09/20 00:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/20 10:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-09 Batch: WG1411194-5					
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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/20 10:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-09 Batch: WG1411194-5					
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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/20 10:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-09 Batch: WG1411194-5					
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	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2038282

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG1411194-3 WG1411194-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		120		62-150	9		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	100		110		70-130	10		20
1,1-Dichloropropene	100		110		70-130	10		20
Bromoform	96		96		54-136	0		20
1,1,2,2-Tetrachloroethane	94		100		67-130	6		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	130		**140**	Q	39-139	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2038282

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG1411194-3 WG1411194-4								
Vinyl chloride	97		100		55-140	3		20
Chloroethane	99		100		55-138	1		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	97		98		70-130	1		20
1,3-Dichlorobenzene	92		94		70-130	2		20
1,4-Dichlorobenzene	97		98		70-130	1		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	99		100		64-130	1		20
Acrylonitrile	110		110		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	88		97		36-147	10		20
Acetone	110		110		58-148	0		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	110		120		63-138	9		20
Vinyl acetate	110		120		70-130	9		20
4-Methyl-2-pentanone	100		100		59-130	0		20
2-Hexanone	110		110		57-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2038282

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG1411194-3 WG1411194-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	100		110		70-130	10		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	100		110		64-130	10		20
Bromobenzene	95		98		70-130	3		20
n-Butylbenzene	92		94		53-136	2		20
sec-Butylbenzene	94		96		70-130	2		20
tert-Butylbenzene	99		99		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	90		96		41-144	6		20
Hexachlorobutadiene	86		92		63-130	7		20
Isopropylbenzene	100		110		70-130	10		20
p-Isopropyltoluene	76		78		70-130	3		20
Naphthalene	95		100		70-130	5		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	90		93		70-130	3		20
1,2,4-Trichlorobenzene	92		95		70-130	3		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	98		88		56-162	11		20
p-Diethylbenzene	91		93		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2038282

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG1411194-3 WG1411194-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	90		90		70-130	0		20
Ethyl ether	100		110		59-134	10		20
trans-1,4-Dichloro-2-butene	110		120		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		107		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	103		101		70-130
Dibromofluoromethane	100		102		70-130

SEMIVOLATILES

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-01
Client ID: MW-3A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 10:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/19/20 08:31
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	2.8	JB	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-01
Client ID: MW-3A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 10:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	84		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-01
Client ID: MW-3A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 10:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/20 18:25
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 06:00

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	45		15-110

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-01
Client ID: MW-3A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 10:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/20/20 11:56
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.01	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	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-01
Client ID: MW-3A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 10:30
Date Received: 09/15/20
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	42		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	88		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-01
Client ID: MW-3A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 10:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/20 17:17
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/22/20 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	186		ng/l	2.02	0.412	1
Perfluoropentanoic Acid (PFPeA)	692		ng/l	2.02	0.400	1
Perfluorobutanesulfonic Acid (PFBS)	3.16		ng/l	2.02	0.240	1
Perfluorohexanoic Acid (PFHxA)	427		ng/l	2.02	0.331	1
Perfluoroheptanoic Acid (PFHpA)	285		ng/l	2.02	0.228	1
Perfluorohexanesulfonic Acid (PFHxS)	4.55		ng/l	2.02	0.380	1
Perfluorooctanoic Acid (PFOA)	199		ng/l	2.02	0.238	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.48	F	ng/l	2.02	1.34	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.16		ng/l	2.02	0.695	1
Perfluorononanoic Acid (PFNA)	11.4		ng/l	2.02	0.315	1
Perfluorooctanesulfonic Acid (PFOS)	83.3		ng/l	2.02	0.509	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.02	0.307	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.02	1.22	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.02	0.655	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.02	0.263	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.02	0.990	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.02	0.586	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.02	0.812	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.02	0.376	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.02	0.330	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.02	0.250	1
PFOA/PFOS, Total	282		ng/l	2.02	0.238	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-01
Client ID: MW-3A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 10:30
Date Received: 09/15/20
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)	87		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	93		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	106		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	27		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		33-143

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-02
Client ID: MW-5
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 13:22
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/21/20 15:30
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-02
Client ID: MW-5
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 13:22
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	86		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-02
Client ID: MW-5
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 13:22
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/20 18:49
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 06:00

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	44		15-110

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-02
Client ID: MW-5
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 13:22
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/20/20 12:16
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.02	J	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-02
Client ID: MW-5
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 13:22
Date Received: 09/15/20
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	55		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	92		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-02
Client ID: MW-5
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 13:22
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/20 17:34
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/22/20 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	7.86		ng/l	1.89	0.385	1
Perfluoropentanoic Acid (PFPeA)	13.4		ng/l	1.89	0.374	1
Perfluorobutanesulfonic Acid (PFBS)	5.92		ng/l	1.89	0.225	1
Perfluorohexanoic Acid (PFHxA)	7.30		ng/l	1.89	0.310	1
Perfluoroheptanoic Acid (PFHpA)	8.20		ng/l	1.89	0.213	1
Perfluorohexanesulfonic Acid (PFHxS)	3.01	F	ng/l	1.89	0.355	1
Perfluorooctanoic Acid (PFOA)	26.7		ng/l	1.89	0.223	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.89	1.26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.89	0.650	1
Perfluorononanoic Acid (PFNA)	7.28		ng/l	1.89	0.295	1
Perfluorooctanesulfonic Acid (PFOS)	103		ng/l	1.89	0.476	1
Perfluorodecanoic Acid (PFDA)	0.529	J	ng/l	1.89	0.287	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.89	1.14	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.89	0.612	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.89	0.246	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.89	0.926	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.89	0.548	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.89	0.760	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.89	0.351	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.89	0.309	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.89	0.234	1
PFOA/PFOS, Total	130		ng/l	1.89	0.223	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-02
Client ID: MW-5
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 13:22
Date Received: 09/15/20
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)	90		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	83		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	76		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	77		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	114		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	127		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	98		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		33-143

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-03
Client ID: 20200914-DUP
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 13:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/19/20 08:55
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	2.4	JB	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-03
Client ID: 20200914-DUP
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 13:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	84		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-03
Client ID: 20200914-DUP
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 13:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/20 19:14
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 06:00

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: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-03
Client ID: 20200914-DUP
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 13:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/20/20 12:36
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-03
Client ID: 20200914-DUP
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 13:30
Date Received: 09/15/20
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	55		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	90		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-03
Client ID: 20200914-DUP
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 13:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/20 17:51
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/22/20 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	7.77		ng/l	1.71	0.349	1
Perfluoropentanoic Acid (PFPeA)	13.6		ng/l	1.71	0.338	1
Perfluorobutanesulfonic Acid (PFBS)	5.99		ng/l	1.71	0.203	1
Perfluorohexanoic Acid (PFHxA)	7.20		ng/l	1.71	0.280	1
Perfluoroheptanoic Acid (PFHpA)	8.31		ng/l	1.71	0.192	1
Perfluorohexanesulfonic Acid (PFHxS)	2.64	F	ng/l	1.71	0.321	1
Perfluorooctanoic Acid (PFOA)	25.7		ng/l	1.71	0.202	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.71	1.14	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.592	J	ng/l	1.71	0.588	1
Perfluorononanoic Acid (PFNA)	7.14		ng/l	1.71	0.267	1
Perfluorooctanesulfonic Acid (PFOS)	106		ng/l	1.71	0.431	1
Perfluorodecanoic Acid (PFDA)	0.612	J	ng/l	1.71	0.260	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.71	1.04	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.71	0.554	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.71	0.222	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.71	0.838	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.71	0.496	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.71	0.687	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.71	0.318	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.71	0.280	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.71	0.212	1
PFOA/PFOS, Total	132		ng/l	1.71	0.202	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-03
Client ID: 20200914-DUP
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 13:30
Date Received: 09/15/20
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)	92		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	83		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	73		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	76		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	83		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	109		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	120		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	43		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	59		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		33-143

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-04
Client ID: MW-2A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 18:35
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/19/20 09:19
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.2	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	2.0	JB	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-04
Client ID: MW-2A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 18:35
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	84		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-04
Client ID: MW-2A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 18:35
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/20 19:40
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 06:00

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	44		15-110

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-04
Client ID: MW-2A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 18:35
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/20/20 12:57
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.02	J	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	0.02	J	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-04
Client ID: MW-2A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 18:35
Date Received: 09/15/20
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	52		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	87		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-04
Client ID: MW-2A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 18:35
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/20 18:07
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/22/20 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	12.5		ng/l	1.87	0.382	1
Perfluoropentanoic Acid (PFPeA)	23.2		ng/l	1.87	0.370	1
Perfluorobutanesulfonic Acid (PFBS)	2.85		ng/l	1.87	0.223	1
Perfluorohexanoic Acid (PFHxA)	16.5		ng/l	1.87	0.307	1
Perfluoroheptanoic Acid (PFHpA)	17.9		ng/l	1.87	0.211	1
Perfluorohexanesulfonic Acid (PFHxS)	5.77		ng/l	1.87	0.352	1
Perfluorooctanoic Acid (PFOA)	69.2		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)	1.73	J	ng/l	1.87	0.292	1
Perfluorooctanesulfonic Acid (PFOS)	5.22		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	74.4		ng/l	1.87	0.221	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-04
Client ID: MW-2A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 18:35
Date Received: 09/15/20
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)	94		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	97		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	120		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	58		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	90		33-143

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-05
Client ID: MW-1A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 16:57
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/19/20 09:43
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-05
Client ID: MW-1A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 16:57
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	80		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-05
Client ID: MW-1A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 16:57
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/20 20:05
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 06:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	156	35.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-05
Client ID: MW-1A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 16:57
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/20/20 13:17
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	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	ND		ug/l	0.10	0.01	1
Chrysene	0.01	J	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	0.03	J	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-05
Client ID: MW-1A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 16:57
Date Received: 09/15/20
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	44		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	44		10-120
4-Terphenyl-d14	87		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-05
Client ID: MW-1A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 16:57
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/20 18:24
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/22/20 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	3.64		ng/l	2.01	0.409	1
Perfluoropentanoic Acid (PFPeA)	3.50		ng/l	2.01	0.397	1
Perfluorobutanesulfonic Acid (PFBS)	1.98	J	ng/l	2.01	0.239	1
Perfluorohexanoic Acid (PFHxA)	4.31		ng/l	2.01	0.329	1
Perfluoroheptanoic Acid (PFHpA)	9.66		ng/l	2.01	0.226	1
Perfluorohexanesulfonic Acid (PFHxS)	9.48		ng/l	2.01	0.377	1
Perfluorooctanoic Acid (PFOA)	72.9		ng/l	2.01	0.237	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.01	1.34	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.01	0.690	1
Perfluorononanoic Acid (PFNA)	0.446	J	ng/l	2.01	0.313	1
Perfluorooctanesulfonic Acid (PFOS)	6.21	F	ng/l	2.01	0.506	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.01	0.305	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.01	1.22	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.01	0.650	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.01	0.261	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.01	0.984	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.01	0.582	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.01	0.807	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.01	0.373	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.01	0.328	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.01	0.249	1
PFOA/PFOS, Total	79.1		ng/l	2.01	0.237	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-05
Client ID: MW-1A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 16:57
Date Received: 09/15/20
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)	93		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	77		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	93		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	72		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	63		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	35		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	56		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	17		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	34		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	50		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	60		33-143

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-06
Client ID: MW-4A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 17:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/19/20 10:06
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-06
Client ID: MW-4A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 17:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	10.		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	1.7	J	ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	72.		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	56		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	81		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-06
Client ID: MW-4A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 17:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/20 20:30
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 06:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	524.		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	49		15-110

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-06
Client ID: MW-4A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 17:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/22/20 12:12
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 09/21/20 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.08	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.38		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	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	0.14		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.01	1
Fluorene	0.20		ug/l	0.10	0.01	1
Phenanthrene	0.19		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	0.16		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.46		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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-06
Client ID: MW-4A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 17:30
Date Received: 09/15/20
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	63		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	119		10-120
4-Terphenyl-d14	96		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-06
Client ID: MW-4A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 17:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/20 18:40
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/22/20 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	55.4		ng/l	1.87	0.382	1
Perfluoropentanoic Acid (PFPeA)	29.8		ng/l	1.87	0.371	1
Perfluorobutanesulfonic Acid (PFBS)	10.4		ng/l	1.87	0.223	1
Perfluorohexanoic Acid (PFHxA)	24.1		ng/l	1.87	0.307	1
Perfluoroheptanoic Acid (PFHpA)	27.3		ng/l	1.87	0.211	1
Perfluorohexanesulfonic Acid (PFHxS)	7.58		ng/l	1.87	0.352	1
Perfluorooctanoic Acid (PFOA)	148		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)	2.18	F	ng/l	1.87	0.644	1
Perfluorononanoic Acid (PFNA)	6.55		ng/l	1.87	0.292	1
Perfluorooctanesulfonic Acid (PFOS)	135		ng/l	1.87	0.472	1
Perfluorodecanoic Acid (PFDA)	3.04		ng/l	1.87	0.285	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.87	1.13	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.846	J	ng/l	1.87	0.607	1
Perfluoroundecanoic Acid (PFUnA)	0.521	J	ng/l	1.87	0.243	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.87	0.918	1
Perfluorooctanesulfonamide (FOSA)	0.858	JF	ng/l	1.87	0.543	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.936	JF	ng/l	1.87	0.753	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	283		ng/l	1.87	0.221	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-06
Client ID: MW-4A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 17:30
Date Received: 09/15/20
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)	82		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	47		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	68		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	48		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	56		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	72		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	170		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	110		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	78		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**197**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	86		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	36		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	118		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		33-143

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-07
Client ID: 20200914-FIELD BLANK
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 18:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/20 18:57
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/22/20 09:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.93	0.393	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.93	0.382	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.93	0.230	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.93	0.316	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.93	0.217	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.93	0.362	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.93	0.228	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.93	1.28	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.93	0.663	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.93	0.301	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.93	0.486	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.93	0.293	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.93	1.17	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.93	0.625	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.93	0.251	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.93	0.945	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.93	0.559	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.93	0.775	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.93	0.359	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.93	0.316	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.93	0.239	1
PFOA/PFOS, Total	ND		ng/l	1.93	0.228	1

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-07
Client ID: 20200914-FIELD BLANK
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 18:30
Date Received: 09/15/20
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)	90		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	112		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	91		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	113		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	63		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	81		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		33-143

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-08
Client ID: 20200914-EQUIPMENT BLANK
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 19:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8270D
Analytical Date: 09/19/20 10:30
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

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

Project Name: 100 UNION AVE **Lab Number:** L2038282

Project Number: 12.0076932.00 **Report Date:** 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-08 Date Collected: 09/14/20 19:00

Client ID: 20200914-EQUIPMENT BLANK Date Received: 09/15/20

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	83		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-08
Client ID: 20200914-EQUIPMENT BLANK
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 19:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/20 20:55
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 06:00

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	43		15-110

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-08
Client ID: 20200914-EQUIPMENT BLANK
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 19:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 09/20/20 13:57
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.09	J	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	0.03	J	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-08
Client ID: 20200914-EQUIPMENT BLANK
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 19:00
Date Received: 09/15/20
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	50		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	42		10-120
4-Terphenyl-d14	86		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/20 16:20
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 06:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-06,08 Batch: WG1411457-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	49		15-110

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/20 07:21
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08 Batch: WG1411852-1					
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	5.4		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: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/20 07:21
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08 Batch: WG1411852-1					
Dimethyl phthalate	18.		ug/l	5.0	1.8
Benzo(a)anthracene	2.7		ug/l	2.0	0.32
Benzo(a)pyrene	0.42	J	ug/l	2.0	0.41
Benzo(b)fluoranthene	0.82	J	ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	2.6		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	0.33	J	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	1.6	J	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	4.8		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: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/20 07:21
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08 Batch: WG1411852-1					
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	58		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	86		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/20/20 10:55
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05,08 Batch: WG1411853-1					
Acenaphthene	0.04	J	ug/l	0.10	0.01
2-Chloronaphthalene	0.06	J	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	0.04	J	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	0.04	J	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	0.04	J	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: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/20/20 10:55
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 16:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05,08 Batch: WG1411853-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	87		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/22/20 10:18
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 09/21/20 04:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG1412342-1					
Acenaphthene	0.02	J	ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	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	0.02	J	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: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/22/20 10:18
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 09/21/20 04:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG1412342-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	79		41-149

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/20 16:28
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/22/20 09:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-07 Batch: WG1412797-1					
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)	0.352	J	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: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/25/20 16:28
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/22/20 09:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-07 Batch: WG1412797-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	114		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	88		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	106		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	82		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	61		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	88		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		33-143

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2038282

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 01-06,08		Batch: WG1411457-2		WG1411457-3			
1,4-Dioxane	111		111		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	38		50		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1411852-2 WG1411852-3								
Acenaphthene	75		79		37-111	5		30
1,2,4-Trichlorobenzene	69		72		39-98	4		30
Hexachlorobenzene	78		85		40-140	9		30
Bis(2-chloroethyl)ether	71		73		40-140	3		30
2-Chloronaphthalene	76		79		40-140	4		30
1,2-Dichlorobenzene	67		70		40-140	4		30
1,3-Dichlorobenzene	66		70		40-140	6		30
1,4-Dichlorobenzene	66		70		36-97	6		30
3,3'-Dichlorobenzidine	64		66		40-140	3		30
2,4-Dinitrotoluene	84		93		48-143	10		30
2,6-Dinitrotoluene	86		87		40-140	1		30
Fluoranthene	89		99		40-140	11		30
4-Chlorophenyl phenyl ether	78		80		40-140	3		30
4-Bromophenyl phenyl ether	78		86		40-140	10		30
Bis(2-chloroisopropyl)ether	58		59		40-140	2		30
Bis(2-chloroethoxy)methane	72		74		40-140	3		30
Hexachlorobutadiene	69		72		40-140	4		30
Hexachlorocyclopentadiene	74		79		40-140	7		30
Hexachloroethane	60		66		40-140	10		30
Isophorone	67		73		40-140	9		30
Naphthalene	73		76		40-140	4		30
Nitrobenzene	73		75		40-140	3		30
NDPA/DPA	80		86		40-140	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2038282

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1411852-2 WG1411852-3								
n-Nitrosodi-n-propylamine	68		74		29-132	8		30
Bis(2-ethylhexyl)phthalate	71		80		40-140	12		30
Butyl benzyl phthalate	81		91		40-140	12		30
Di-n-butylphthalate	74		83		40-140	11		30
Di-n-octylphthalate	73		81		40-140	10		30
Diethyl phthalate	78		84		40-140	7		30
Dimethyl phthalate	104		104		40-140	0		30
Benzo(a)anthracene	82		92		40-140	11		30
Benzo(a)pyrene	85		94		40-140	10		30
Benzo(b)fluoranthene	86		91		40-140	6		30
Benzo(k)fluoranthene	78		95		40-140	20		30
Chrysene	78		87		40-140	11		30
Acenaphthylene	82		87		45-123	6		30
Anthracene	78		86		40-140	10		30
Benzo(ghi)perylene	80		91		40-140	13		30
Fluorene	78		83		40-140	6		30
Phenanthrene	79		84		40-140	6		30
Dibenzo(a,h)anthracene	81		92		40-140	13		30
Indeno(1,2,3-cd)pyrene	84		92		40-140	9		30
Pyrene	86		96		26-127	11		30
Biphenyl	80		83		40-140	4		30
4-Chloroaniline	55		58		40-140	5		30
2-Nitroaniline	84		92		52-143	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2038282

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1411852-2 WG1411852-3								
3-Nitroaniline	68		75		25-145	10		30
4-Nitroaniline	73		82		51-143	12		30
Dibenzofuran	76		81		40-140	6		30
2-Methylnaphthalene	76		79		40-140	4		30
1,2,4,5-Tetrachlorobenzene	78		81		2-134	4		30
Acetophenone	70		73		39-129	4		30
2,4,6-Trichlorophenol	90		93		30-130	3		30
p-Chloro-m-cresol	83		86		23-97	4		30
2-Chlorophenol	75		79		27-123	5		30
2,4-Dichlorophenol	85		88		30-130	3		30
2,4-Dimethylphenol	63		70		30-130	11		30
2-Nitrophenol	98		102		30-130	4		30
4-Nitrophenol	61		68		10-80	11		30
2,4-Dinitrophenol	101		113		20-130	11		30
4,6-Dinitro-o-cresol	99		109		20-164	10		30
Pentachlorophenol	80		91		9-103	13		30
Phenol	52		56		12-110	7		30
2-Methylphenol	69		75		30-130	8		30
3-Methylphenol/4-Methylphenol	75		79		30-130	5		30
2,4,5-Trichlorophenol	86		93		30-130	8		30
Benzoic Acid	71		72		10-164	1		30
Benzyl Alcohol	67		70		26-116	4		30
Carbazole	80		89		55-144	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2038282

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1411852-2 WG1411852-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		66		21-120
Phenol-d6	52		57		10-120
Nitrobenzene-d5	77		80		23-120
2-Fluorobiphenyl	82		85		15-120
2,4,6-Tribromophenol	89		97		10-120
4-Terphenyl-d14	78		87		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05,08 Batch: WG1411853-2 WG1411853-3								
Acenaphthene	110		77		40-140	35		40
2-Chloronaphthalene	110		73		40-140	40		40
Fluoranthene	**142**	Q	121		40-140	16		40
Hexachlorobutadiene	99		57		40-140	**54**	Q	40
Naphthalene	106		64		40-140	**49**	Q	40
Benzo(a)anthracene	123		110		40-140	11		40
Benzo(a)pyrene	123		118		40-140	4		40
Benzo(b)fluoranthene	124		110		40-140	12		40
Benzo(k)fluoranthene	123		112		40-140	9		40
Chrysene	124		114		40-140	8		40
Acenaphthylene	103		72		40-140	35		40
Anthracene	120		101		40-140	17		40
Benzo(ghi)perylene	**149**	Q	137		40-140	8		40
Fluorene	120		87		40-140	32		40
Phenanthrene	121		98		40-140	21		40
Dibenzo(a,h)anthracene	**159**	Q	**146**	Q	40-140	9		40
Indeno(1,2,3-cd)pyrene	**153**	Q	140		40-140	9		40
Pyrene	**144**	Q	123		40-140	16		40
2-Methylnaphthalene	113		72		40-140	**44**	Q	40
Pentachlorophenol	**217**	Q	**184**	Q	40-140	16		40
Hexachlorobenzene	109		83		40-140	27		40
Hexachloroethane	97		52		40-140	**60**	Q	40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2038282

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05,08 Batch: WG1411853-2 WG1411853-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		43		21-120
Phenol-d6	65		40		10-120
Nitrobenzene-d5	98		58		23-120
2-Fluorobiphenyl	91		62		15-120
2,4,6-Tribromophenol	117		78		10-120
4-Terphenyl-d14	127		113		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2038282

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG1412342-2 WG1412342-3								
Acenaphthene	70		70		40-140	0		40
2-Chloronaphthalene	70		71		40-140	1		40
Fluoranthene	79		81		40-140	3		40
Hexachlorobutadiene	58		62		40-140	7		40
Naphthalene	66		67		40-140	2		40
Benzo(a)anthracene	77		79		40-140	3		40
Benzo(a)pyrene	86		88		40-140	2		40
Benzo(b)fluoranthene	77		82		40-140	6		40
Benzo(k)fluoranthene	85		86		40-140	1		40
Chrysene	74		75		40-140	1		40
Acenaphthylene	79		77		40-140	3		40
Anthracene	76		76		40-140	0		40
Benzo(ghi)perylene	79		80		40-140	1		40
Fluorene	75		75		40-140	0		40
Phenanthrene	70		72		40-140	3		40
Dibenzo(a,h)anthracene	86		88		40-140	2		40
Indeno(1,2,3-cd)pyrene	83		86		40-140	4		40
Pyrene	80		82		40-140	2		40
2-Methylnaphthalene	71		71		40-140	0		40
Pentachlorophenol	92		99		40-140	7		40
Hexachlorobenzene	65		81		40-140	22		40
Hexachloroethane	61		64		40-140	5		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG1412342-2 WG1412342-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		52		21-120
Phenol-d6	44		46		10-120
Nitrobenzene-d5	74		75		23-120
2-Fluorobiphenyl	66		69		15-120
2,4,6-Tribromophenol	87		88		10-120
4-Terphenyl-d14	74		79		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2038282

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 Batch: WG1412797-2 WG1412797-3								
Perfluorobutanoic Acid (PFBA)	102		100		67-148	2		30
Perfluoropentanoic Acid (PFPeA)	101		99		63-161	2		30
Perfluorobutanesulfonic Acid (PFBS)	95		92		65-157	3		30
Perfluorohexanoic Acid (PFHxA)	107		103		69-168	4		30
Perfluoroheptanoic Acid (PFHpA)	102		102		58-159	0		30
Perfluorohexanesulfonic Acid (PFHxS)	71		77		69-177	8		30
Perfluorooctanoic Acid (PFOA)	102		101		63-159	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	111		104		49-187	7		30
Perfluoroheptanesulfonic Acid (PFHpS)	94		90		61-179	4		30
Perfluorononanoic Acid (PFNA)	101		101		68-171	0		30
Perfluorooctanesulfonic Acid (PFOS)	95		91		52-151	4		30
Perfluorodecanoic Acid (PFDA)	105		104		63-171	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	103		103		56-173	0		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	108		104		60-166	4		30
Perfluoroundecanoic Acid (PFUnA)	101		97		60-153	4		30
Perfluorodecanesulfonic Acid (PFDS)	101		100		38-156	1		30
Perfluorooctanesulfonamide (FOSA)	104		98		46-170	6		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	97		122		45-170	23		30
Perfluorododecanoic Acid (PFDoA)	103		92		67-153	11		30
Perfluorotridecanoic Acid (PFTrDA)	114		102		48-158	11		30
Perfluorotetradecanoic Acid (PFTA)	108		103		59-182	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2038282

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 Batch: WG1412797-2 WG1412797-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		101		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		124		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		98		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		94		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		91		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		95		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		96		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	87		93		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		101		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		95		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		93		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	113		118		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		83		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		106		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	61		64		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	92		80		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		108		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		89		33-143

PCBS

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-01
Client ID: MW-3A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 10:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/21/20 04:39
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 09/19/20 04:20
Cleanup Method: EPA 3665A
Cleanup Date: 09/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/19/20

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	118		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	119		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-02
Client ID: MW-5
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 13:22
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/21/20 04:48
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 09/19/20 04:20
Cleanup Method: EPA 3665A
Cleanup Date: 09/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/19/20

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-03
Client ID: 20200914-DUP
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 13:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/21/20 04:56
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 09/19/20 04:20
Cleanup Method: EPA 3665A
Cleanup Date: 09/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/19/20

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	111		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-04
Client ID: MW-2A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 18:35
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/21/20 05:05
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 09/19/20 04:20
Cleanup Method: EPA 3665A
Cleanup Date: 09/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/19/20

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-05
Client ID: MW-1A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 16:57
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/21/20 05:13
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 09/19/20 04:20
Cleanup Method: EPA 3665A
Cleanup Date: 09/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/19/20

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	114		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	120		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-06
Client ID: MW-4A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 17:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/21/20 05:22
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 09/19/20 04:20
Cleanup Method: EPA 3665A
Cleanup Date: 09/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/19/20

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-08
Client ID: 20200914-EQUIPMENT BLANK
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 19:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8082A
Analytical Date: 09/21/20 05:31
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 09/19/20 04:20
Cleanup Method: EPA 3665A
Cleanup Date: 09/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/19/20

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/20 04:13
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 09/19/20 04:20
Cleanup Method: EPA 3665A
Cleanup Date: 09/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/19/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06,08 Batch: WG1411950-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	86		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1411950-2 WG1411950-3									
Aroclor 1016	97		95		40-140	3		50	A
Aroclor 1260	98		95		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		87		30-150	A
Decachlorobiphenyl	107		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		87		30-150	B
Decachlorobiphenyl	103		93		30-150	B

PESTICIDES

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-01
Client ID: MW-3A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 10:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/18/20 12:11
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 00:25

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-01
Client ID: MW-3A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 10:30
Date Received: 09/15/20
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	140		30-150	A
Decachlorobiphenyl	133		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-01
Client ID: MW-3A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 10:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 09/17/20 15:19
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/16/20 22:54

Methylation Date: 09/17/20 05:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	84		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-02
Client ID: MW-5
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 13:22
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/18/20 12:25
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 00:25

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	86		30-150	A
Decachlorobiphenyl	114		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-02
Client ID: MW-5
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 13:22
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 09/17/20 15:37
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/16/20 22:54

Methylation Date: 09/17/20 05:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	92		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-03
Client ID: 20200914-DUP
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 13:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/18/20 12:38
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 00:25

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-03
Client ID: 20200914-DUP
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 13:30
Date Received: 09/15/20
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	103		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	121		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-03
Client ID: 20200914-DUP
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 13:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 09/17/20 15:55
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/16/20 22:54

Methylation Date: 09/17/20 05:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	85		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-04
Client ID: MW-2A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 18:35
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/18/20 12:51
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 00:25

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-04
Client ID: MW-2A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 18:35
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-04
Client ID: MW-2A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 18:35
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 09/17/20 16:13
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/16/20 22:54

Methylation Date: 09/17/20 05:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	82		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-05
Client ID: MW-1A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 16:57
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/18/20 13:04
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 00:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	0.003	J	ug/l	0.029	0.003	1	A
4,4'-DDD	0.004	JIP	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: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-05
Client ID: MW-1A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 16:57
Date Received: 09/15/20
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	130		30-150	A
Decachlorobiphenyl	112		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-05
Client ID: MW-1A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 16:57
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 09/17/20 16:31
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/16/20 22:54

Methylation Date: 09/17/20 05:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	84		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-06
Client ID: MW-4A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 17:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/18/20 13:18
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 00:25

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-06
Client ID: MW-4A
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 17:30
Date Received: 09/15/20
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	**21**	Q	30-150	A
Decachlorobiphenyl	**18**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-06
Client ID: MW-4A
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 17:30
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 09/17/20 17:07
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/16/20 22:54

Methylation Date: 09/17/20 05:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	119		30-150	A
DCAA	115		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-08
Client ID: 20200914-EQUIPMENT BLANK
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 19:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8081B
Analytical Date: 09/18/20 13:31
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 09/18/20 00:25

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

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-08
Client ID: 20200914-EQUIPMENT BLANK
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 19:00
Date Received: 09/15/20
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	73		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	117		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-08
Client ID: 20200914-EQUIPMENT BLANK
Sample Location: BROOKLYN, NY

Date Collected: 09/14/20 19:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8151A
Analytical Date: 09/17/20 17:25
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/16/20 22:54

Methylation Date: 09/17/20 05:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	86		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/20 14:25
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 09/16/20 15:58

Methylation Date: 09/17/20 05:30

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-06,08 Batch: WG1410760-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	84		30-150	B

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/20 10:52
Analyst: SM

Extraction Method: EPA 3510C
Extraction Date: 09/17/20 23:39

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06,08 Batch: WG1411412-1						
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: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/20 10:52
Analyst: SM

Extraction Method: EPA 3510C
Extraction Date: 09/17/20 23:39

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06,08 Batch: WG1411412-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	117		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2038282

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1410760-2 WG1410760-3									
2,4-D	98		100		30-150	2		25	A
2,4,5-T	103		101		30-150	2		25	A
2,4,5-TP (Silvex)	101		106		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	97		101		30-150	A
DCAA	99		95		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2038282

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1411412-2 WG1411412-3									
Delta-BHC	77		87		30-150	11		20	A
Lindane	87		97		30-150	11		20	A
Alpha-BHC	77		86		30-150	11		20	A
Beta-BHC	100		109		30-150	9		20	A
Heptachlor	91		109		30-150	18		20	A
Aldrin	82		101		30-150	**21**	Q	20	A
Heptachlor epoxide	92		106		30-150	14		20	A
Endrin	94		108		30-150	14		20	A
Endrin aldehyde	87		92		30-150	5		20	A
Endrin ketone	100		112		30-150	11		20	A
Dieldrin	96		109		30-150	13		20	A
4,4'-DDE	86		100		30-150	15		20	A
4,4'-DDD	99		114		30-150	14		20	A
4,4'-DDT	95		111		30-150	16		20	A
Endosulfan I	93		104		30-150	11		20	A
Endosulfan II	99		111		30-150	12		20	A
Endosulfan sulfate	91		102		30-150	11		20	A
Methoxychlor	119		129		30-150	8		20	A
cis-Chlordane	84		96		30-150	13		20	A
trans-Chlordane	85		100		30-150	16		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06,08 Batch: WG1411412-2 WG1411412-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		85		30-150	A
Decachlorobiphenyl	92		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		103		30-150	B
Decachlorobiphenyl	105		129		30-150	B

METALS

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-01
Client ID: MW-3A
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Water

Date Collected: 09/14/20 10:30
Date Received: 09/15/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0508		mg/l	0.0100	0.00327	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Antimony, Total	0.00092	J	mg/l	0.00400	0.00042	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00072		mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Barium, Total	0.1376		mg/l	0.00050	0.00017	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00006	J	mg/l	0.00020	0.00005	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Calcium, Total	96.6		mg/l	0.100	0.0394	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Chromium, Total	0.00037	J	mg/l	0.00100	0.00017	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00044	J	mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Copper, Total	0.00146		mg/l	0.00100	0.00038	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Iron, Total	0.0973		mg/l	0.0700	0.0191	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Lead, Total	0.00416		mg/l	0.00100	0.00034	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Magnesium, Total	27.1		mg/l	0.0700	0.0242	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Manganese, Total	0.08681		mg/l	0.00100	0.00044	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/18/20 12:07	09/18/20 19:14	EPA 7470A	1,7470A	AL
Nickel, Total	0.00115	J	mg/l	0.00200	0.00055	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Potassium, Total	13.3		mg/l	0.100	0.0309	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Selenium, Total	0.0126		mg/l	0.00500	0.00173	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Sodium, Total	13.6		mg/l	0.100	0.0293	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Thallium, Total	0.00027	J	mg/l	0.00100	0.00014	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00177	J	mg/l	0.00500	0.00157	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM
Zinc, Total	0.00932	J	mg/l	0.01000	0.00341	1	09/18/20 12:02	09/18/20 17:55	EPA 3005A	1,6020B	AM

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-02
Client ID: MW-5
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Water

Date Collected: 09/14/20 13:22
Date Received: 09/15/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0502		mg/l	0.0100	0.00327	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Antimony, Total	0.00172	J	mg/l	0.00400	0.00042	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00071		mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Barium, Total	0.2400		mg/l	0.00050	0.00017	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Calcium, Total	106.		mg/l	0.100	0.0394	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Chromium, Total	0.00050	J	mg/l	0.00100	0.00017	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00027	J	mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Copper, Total	0.00178		mg/l	0.00100	0.00038	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Iron, Total	0.0559	J	mg/l	0.0700	0.0191	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Lead, Total	0.00044	J	mg/l	0.00100	0.00034	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Magnesium, Total	9.68		mg/l	0.0700	0.0242	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Manganese, Total	0.1209		mg/l	0.00100	0.00044	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/18/20 12:07	09/18/20 19:16	EPA 7470A	1,7470A	AL
Nickel, Total	0.00105	J	mg/l	0.00200	0.00055	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Potassium, Total	5.32		mg/l	0.100	0.0309	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Selenium, Total	0.00673		mg/l	0.00500	0.00173	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Sodium, Total	8.85		mg/l	0.100	0.0293	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Thallium, Total	0.00019	J	mg/l	0.00100	0.00014	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00189	J	mg/l	0.00500	0.00157	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/18/20 12:02	09/18/20 18:00	EPA 3005A	1,6020B	AM

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-03
Client ID: 20200914-DUP
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Water

Date Collected: 09/14/20 13:30
Date Received: 09/15/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0453		mg/l	0.0100	0.00327	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Antimony, Total	0.00176	J	mg/l	0.00400	0.00042	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00065		mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Barium, Total	0.2556		mg/l	0.00050	0.00017	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Calcium, Total	104.		mg/l	0.100	0.0394	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Chromium, Total	0.00047	J	mg/l	0.00100	0.00017	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00029	J	mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Copper, Total	0.00172		mg/l	0.00100	0.00038	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Iron, Total	0.0521	J	mg/l	0.0700	0.0191	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Lead, Total	0.00042	J	mg/l	0.00100	0.00034	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Magnesium, Total	9.13		mg/l	0.0700	0.0242	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Manganese, Total	0.1240		mg/l	0.00100	0.00044	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/18/20 12:07	09/18/20 19:23	EPA 7470A	1,7470A	AL
Nickel, Total	0.00091	J	mg/l	0.00200	0.00055	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Potassium, Total	5.32		mg/l	0.100	0.0309	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Selenium, Total	0.00679		mg/l	0.00500	0.00173	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Sodium, Total	8.49		mg/l	0.100	0.0293	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Thallium, Total	0.00015	J	mg/l	0.00100	0.00014	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00170	J	mg/l	0.00500	0.00157	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/18/20 12:02	09/18/20 18:04	EPA 3005A	1,6020B	AM

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-04
Client ID: MW-2A
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Water

Date Collected: 09/14/20 18:35
Date Received: 09/15/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.535		mg/l	0.0100	0.00327	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00215		mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Barium, Total	0.09278		mg/l	0.00050	0.00017	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Calcium, Total	208.		mg/l	0.100	0.0394	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Chromium, Total	0.00160		mg/l	0.00100	0.00017	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00107		mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Copper, Total	0.00285		mg/l	0.00100	0.00038	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Iron, Total	1.05		mg/l	0.0700	0.0191	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Lead, Total	0.00870		mg/l	0.00100	0.00034	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Magnesium, Total	5.96		mg/l	0.0700	0.0242	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Manganese, Total	0.6295		mg/l	0.00100	0.00044	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/18/20 12:07	09/18/20 19:25	EPA 7470A	1,7470A	AL
Nickel, Total	0.00247		mg/l	0.00200	0.00055	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Potassium, Total	6.24		mg/l	0.100	0.0309	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Selenium, Total	0.00293	J	mg/l	0.00500	0.00173	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Sodium, Total	7.96		mg/l	0.100	0.0293	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00268	J	mg/l	0.00500	0.00157	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM
Zinc, Total	0.00607	J	mg/l	0.01000	0.00341	1	09/18/20 12:02	09/18/20 18:09	EPA 3005A	1,6020B	AM

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-05
Client ID: MW-1A
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Water

Date Collected: 09/14/20 16:57
Date Received: 09/15/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.540		mg/l	0.0100	0.00327	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Antimony, Total	0.00195	J	mg/l	0.00400	0.00042	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00271		mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Barium, Total	0.1096		mg/l	0.00050	0.00017	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00014	J	mg/l	0.00020	0.00005	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Calcium, Total	458.		mg/l	0.100	0.0394	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Chromium, Total	0.00125		mg/l	0.00100	0.00017	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00089		mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Copper, Total	0.00453		mg/l	0.00100	0.00038	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Iron, Total	0.962		mg/l	0.0700	0.0191	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Lead, Total	0.02934		mg/l	0.00100	0.00034	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Magnesium, Total	18.4		mg/l	0.0700	0.0242	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Manganese, Total	0.3099		mg/l	0.00100	0.00044	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Mercury, Total	0.00012	J	mg/l	0.00020	0.00009	1	09/18/20 12:07	09/18/20 19:27	EPA 7470A	1,7470A	AL
Nickel, Total	0.00258		mg/l	0.00200	0.00055	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Potassium, Total	16.7		mg/l	0.100	0.0309	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Selenium, Total	0.0258		mg/l	0.00500	0.00173	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Sodium, Total	56.1		mg/l	0.100	0.0293	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Thallium, Total	0.00015	J	mg/l	0.00100	0.00014	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00272	J	mg/l	0.00500	0.00157	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM
Zinc, Total	0.01248		mg/l	0.01000	0.00341	1	09/18/20 12:02	09/18/20 18:14	EPA 3005A	1,6020B	AM

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-06
Client ID: MW-4A
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Water

Date Collected: 09/14/20 17:30
Date Received: 09/15/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.776		mg/l	0.0100	0.00327	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Antimony, Total	0.00054	J	mg/l	0.00400	0.00042	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00326		mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Barium, Total	0.04937		mg/l	0.00050	0.00017	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Calcium, Total	176.		mg/l	0.100	0.0394	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Chromium, Total	0.00127		mg/l	0.00100	0.00017	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00060		mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Copper, Total	0.00190		mg/l	0.00100	0.00038	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Iron, Total	0.761		mg/l	0.0700	0.0191	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Lead, Total	0.00366		mg/l	0.00100	0.00034	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Magnesium, Total	0.490		mg/l	0.0700	0.0242	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Manganese, Total	0.00927		mg/l	0.00100	0.00044	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Mercury, Total	0.00010	J	mg/l	0.00020	0.00009	1	09/18/20 12:07	09/18/20 19:30	EPA 7470A	1,7470A	AL
Nickel, Total	0.00502		mg/l	0.00200	0.00055	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Potassium, Total	83.6		mg/l	0.100	0.0309	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Sodium, Total	169.		mg/l	0.100	0.0293	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00422	J	mg/l	0.00500	0.00157	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM
Zinc, Total	0.02043		mg/l	0.01000	0.00341	1	09/18/20 12:02	09/18/20 18:19	EPA 3005A	1,6020B	AM

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2038282-08
Client ID: 20200914-EQUIPMENT BLANK
Sample Location: BROOKLYN, NY
Date Collected: 09/14/20 19:00
Date Received: 09/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0700	0.0191	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/18/20 12:07	09/18/20 19:32	EPA 7470A	1,7470A	AL
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/18/20 12:02	09/18/20 18:24	EPA 3005A	1,6020B	AM

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

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): 01-06,08 Batch: WG1411342-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Iron, Total	ND		mg/l	0.0700	0.0191	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Thallium, Total	0.00015	J	mg/l	0.00100	0.00014	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/18/20 12:02	09/18/20 16:56	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/18/20 12:02	09/18/20 16:56	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): 01-06,08 Batch: WG1411344-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/18/20 12:07	09/18/20 19:00	1,7470A	AL

Project Name: 100 UNION AVE
Project Number: 12.0076932.00
Lab Number: L2038282
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

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Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06,08 Batch: WG1411342-2								
Aluminum, Total	102		-		80-120	-		
Antimony, Total	114		-		80-120	-		
Arsenic, Total	106		-		80-120	-		
Barium, Total	102		-		80-120	-		
Beryllium, Total	103		-		80-120	-		
Cadmium, Total	107		-		80-120	-		
Calcium, Total	107		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	100		-		80-120	-		
Copper, Total	102		-		80-120	-		
Iron, Total	105		-		80-120	-		
Lead, Total	109		-		80-120	-		
Magnesium, Total	105		-		80-120	-		
Manganese, Total	97		-		80-120	-		
Nickel, Total	98		-		80-120	-		
Potassium, Total	102		-		80-120	-		
Selenium, Total	108		-		80-120	-		
Silver, Total	106		-		80-120	-		
Sodium, Total	104		-		80-120	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	98		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 100 UNION AVE

Project Number: 12.0076932.00

Lab Number: L2038282

Report Date: 09/28/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06,08 Batch: WG1411342-2					
Zinc, Total	107	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06,08 Batch: WG1411344-2					
Mercury, Total	101	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

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): 01-06,08 QC Batch ID: WG1411342-3 QC Sample: L2037479-01 Client ID: MS Sample												
Aluminum, Total	0.301	2	2.37	103		-	-		75-125	-		20
Antimony, Total	0.00229J	0.5	0.4574	91		-	-		75-125	-		20
Arsenic, Total	0.00042J	0.12	0.1338	112		-	-		75-125	-		20
Barium, Total	0.05379	2	2.056	100		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05480	110		-	-		75-125	-		20
Cadmium, Total	0.00007J	0.051	0.05433	106		-	-		75-125	-		20
Calcium, Total	80.9	10	93.9	**130**	Q	-	-		75-125	-		20
Chromium, Total	0.00119	0.2	0.2042	102		-	-		75-125	-		20
Cobalt, Total	0.00030J	0.5	0.5224	104		-	-		75-125	-		20
Copper, Total	0.00259	0.25	0.2714	108		-	-		75-125	-		20
Iron, Total	1.53	1	3.23	**170**	Q	-	-		75-125	-		20
Lead, Total	0.00135	0.51	0.5626	110		-	-		75-125	-		20
Magnesium, Total	45.7	10	57.0	113		-	-		75-125	-		20
Manganese, Total	0.01770	0.5	0.5217	101		-	-		75-125	-		20
Nickel, Total	0.00181J	0.5	0.5118	102		-	-		75-125	-		20
Potassium, Total	2.15	10	12.9	108		-	-		75-125	-		20
Selenium, Total	0.00430J	0.12	0.129	108		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05269	105		-	-		75-125	-		20
Sodium, Total	77.5	10	85.2	77		-	-		75-125	-		20
Thallium, Total	0.00031J	0.12	0.1308	109		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.4988	100		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

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): 01-06,08 QC Batch ID: WG1411342-3 QC Sample: L2037479-01 Client ID: MS Sample									
Zinc, Total	0.09436	0.5	0.6472	110	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-06,08 QC Batch ID: WG1411344-3 QC Sample: L2038358-03 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00515	103	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06,08 QC Batch ID: WG1411342-4 QC Sample: L2037479-01 Client ID: DUP Sample						
Aluminum, Total	0.301	0.306	mg/l	2		20
Antimony, Total	0.00229J	0.00273J	mg/l	NC		20
Arsenic, Total	0.00042J	0.00043J	mg/l	NC		20
Barium, Total	0.05379	0.05406	mg/l	1		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	0.00007J	0.00007J	mg/l	NC		20
Calcium, Total	80.9	82.2	mg/l	2		20
Chromium, Total	0.00119	0.00117	mg/l	2		20
Cobalt, Total	0.00030J	0.00032J	mg/l	NC		20
Copper, Total	0.00259	0.00291	mg/l	12		20
Iron, Total	1.53	1.60	mg/l	4		20
Lead, Total	0.00135	0.00138	mg/l	2		20
Magnesium, Total	45.7	47.2	mg/l	3		20
Manganese, Total	0.01770	0.01802	mg/l	2		20
Nickel, Total	0.00181J	0.00212	mg/l	NC		20
Potassium, Total	2.15	2.22	mg/l	3		20
Selenium, Total	0.00430J	0.00436J	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	77.5	79.4	mg/l	2		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06,08 QC Batch ID: WG1411342-4 QC Sample: L2037479-01 Client ID: DUP Sample					
Thallium, Total	0.00031J	0.00084J	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.09436	0.09615	mg/l	2	20
Total Metals - Mansfield Lab Associated sample(s): 01-06,08 QC Batch ID: WG1411344-4 QC Sample: L2038358-03 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent
E	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038282-01A	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)
L2038282-01B	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)
L2038282-01C	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)
L2038282-01D	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038282-01E	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038282-01F	Plastic 250ml HNO3 preserved	B	<2	<2	2.6	Y	Absent		FE-6020T(180),BA-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AL-6020T(180),HG-T(28),MG-6020T(180),AG-6020T(180),CD-6020T(180),CO-6020T(180)
L2038282-01G	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8082-LVI(7)
L2038282-01H	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8082-LVI(7)
L2038282-01I	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8081(7)
L2038282-01J	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8081(7)
L2038282-01K	Amber 250ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2038282-01L	Amber 250ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2038282-01M	Amber 250ml unpreserved	B	7	7	2.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038282-01N	Amber 250ml unpreserved	B	7	7	2.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038282-01O	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		HERB-APA(7)

*Values in parentheses indicate holding time in days

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038282-01P	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		HERB-APA(7)
L2038282-02A	Vial HCl preserved	E	NA		3.5	Y	Absent		NYTCL-8260(14)
L2038282-02B	Vial HCl preserved	E	NA		3.5	Y	Absent		NYTCL-8260(14)
L2038282-02C	Vial HCl preserved	E	NA		3.5	Y	Absent		NYTCL-8260(14)
L2038282-02D	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038282-02E	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038282-02F	Plastic 250ml HNO3 preserved	E	<2	<2	3.5	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AL-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),AG-6020T(180),CO-6020T(180)
L2038282-02G	Amber 120ml unpreserved	E	7	7	3.5	Y	Absent		NYTCL-8082-LVI(7)
L2038282-02H	Amber 120ml unpreserved	E	7	7	3.5	Y	Absent		NYTCL-8082-LVI(7)
L2038282-02I	Amber 120ml unpreserved	E	7	7	3.5	Y	Absent		NYTCL-8081(7)
L2038282-02J	Amber 120ml unpreserved	E	7	7	3.5	Y	Absent		NYTCL-8081(7)
L2038282-02K	Amber 250ml unpreserved	E	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2038282-02L	Amber 250ml unpreserved	E	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2038282-02M	Amber 250ml unpreserved	E	7	7	3.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038282-02N	Amber 250ml unpreserved	E	7	7	3.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038282-02O	Amber 1000ml unpreserved	E	7	7	3.5	Y	Absent		HERB-APA(7)
L2038282-02P	Amber 1000ml unpreserved	E	7	7	3.5	Y	Absent		HERB-APA(7)
L2038282-03A	Vial HCl preserved	E	NA		3.5	Y	Absent		NYTCL-8260(14)
L2038282-03B	Vial HCl preserved	E	NA		3.5	Y	Absent		NYTCL-8260(14)
L2038282-03C	Vial HCl preserved	E	NA		3.5	Y	Absent		NYTCL-8260(14)
L2038282-03D	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038282-03E	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038282-03F	Plastic 250ml HNO3 preserved	E	<2	<2	3.5	Y	Absent		FE-6020T(180),BA-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),MG-6020T(180),CD-6020T(180),CO-6020T(180)
L2038282-03G	Amber 120ml unpreserved	E	7	7	3.5	Y	Absent		NYTCL-8082-LVI(7)
L2038282-03H	Amber 120ml unpreserved	E	7	7	3.5	Y	Absent		NYTCL-8082-LVI(7)
L2038282-03I	Amber 120ml unpreserved	E	7	7	3.5	Y	Absent		NYTCL-8081(7)
L2038282-03J	Amber 120ml unpreserved	E	7	7	3.5	Y	Absent		NYTCL-8081(7)
L2038282-03K	Amber 250ml unpreserved	E	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2038282-03L	Amber 250ml unpreserved	E	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2038282-03M	Amber 250ml unpreserved	E	7	7	3.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038282-03N	Amber 250ml unpreserved	E	7	7	3.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038282-03O	Amber 1000ml unpreserved	E	7	7	3.5	Y	Absent		HERB-APA(7)
L2038282-03P	Amber 1000ml unpreserved	E	7	7	3.5	Y	Absent		HERB-APA(7)
L2038282-04A	Vial HCl preserved	D	NA		2.7	Y	Absent		NYTCL-8260(14)
L2038282-04B	Vial HCl preserved	D	NA		2.7	Y	Absent		NYTCL-8260(14)
L2038282-04C	Vial HCl preserved	D	NA		2.7	Y	Absent		NYTCL-8260(14)
L2038282-04D	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038282-04E	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038282-04F	Plastic 250ml HNO3 preserved	D	<2	<2	2.7	Y	Absent		BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),AG-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)
L2038282-04G	Amber 120ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8082-LVI(7)
L2038282-04H	Amber 120ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8082-LVI(7)
L2038282-04I	Amber 120ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8081(7)

*Values in parentheses indicate holding time in days

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038282-04J	Amber 120ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8081(7)
L2038282-04K	Amber 250ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2038282-04L	Amber 250ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2038282-04M	Amber 250ml unpreserved	D	7	7	2.7	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038282-04N	Amber 250ml unpreserved	D	7	7	2.7	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038282-04O	Amber 1000ml unpreserved	D	7	7	2.7	Y	Absent		HERB-APA(7)
L2038282-04P	Amber 1000ml unpreserved	D	7	7	2.7	Y	Absent		HERB-APA(7)
L2038282-05A	Vial HCl preserved	D	NA		2.7	Y	Absent		NYTCL-8260(14)
L2038282-05B	Vial HCl preserved	D	NA		2.7	Y	Absent		NYTCL-8260(14)
L2038282-05C	Vial HCl preserved	D	NA		2.7	Y	Absent		NYTCL-8260(14)
L2038282-05D	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038282-05E	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038282-05F	Plastic 250ml HNO3 preserved	D	<2	<2	2.7	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),CD-6020T(180),CO-6020T(180)
L2038282-05G	Amber 120ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8082-LVI(7)
L2038282-05H	Amber 120ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8082-LVI(7)
L2038282-05I	Amber 120ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8081(7)
L2038282-05J	Amber 120ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8081(7)
L2038282-05K	Amber 250ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2038282-05L	Amber 250ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2038282-05M	Amber 250ml unpreserved	D	7	7	2.7	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038282-05N	Amber 250ml unpreserved	D	7	7	2.7	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038282-05O	Amber 1000ml unpreserved	D	7	7	2.7	Y	Absent		HERB-APA(7)
L2038282-05P	Amber 1000ml unpreserved	D	7	7	2.7	Y	Absent		HERB-APA(7)
L2038282-06A	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038282-06B	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)
L2038282-06C	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)
L2038282-06D	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038282-06E	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038282-06F	Plastic 250ml HNO3 preserved	B	<2	<2	2.6	Y	Absent		SE-6020T(180),FE-6020T(180),BA-6020T(180),TL-6020T(180),NI-6020T(180),K-6020T(180),CA-6020T(180),CR-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),CD-6020T(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180)
L2038282-06G	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8082-LVI(7)
L2038282-06H	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8082-LVI(7)
L2038282-06I	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8081(7)
L2038282-06J	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8081(7)
L2038282-06K	Amber 250ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2038282-06L	Amber 250ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2038282-06M	Amber 250ml unpreserved	B	7	7	2.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038282-06N	Amber 250ml unpreserved	B	7	7	2.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038282-06O	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		HERB-APA(7)
L2038282-06P	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		HERB-APA(7)
L2038282-07D	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038282-07E	Plastic 250ml unpreserved	A	NA		2.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2038282-08A	Vial HCl preserved	C	NA		2.5	Y	Absent		NYTCL-8260(14)
L2038282-08B	Vial HCl preserved	C	NA		2.5	Y	Absent		NYTCL-8260(14)
L2038282-08C	Vial HCl preserved	C	NA		2.5	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2038282-08F	Plastic 250ml HNO3 preserved	C	<2	<2	2.5	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),CU-6020T(180),NA-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),CD-6020T(180),AL-6020T(180),HG-T(28),AG-6020T(180),CO-6020T(180)
L2038282-08G	Amber 120ml unpreserved	C	7	7	2.5	Y	Absent		NYTCL-8082-LVI(7)
L2038282-08H	Amber 120ml unpreserved	C	7	7	2.5	Y	Absent		NYTCL-8082-LVI(7)
L2038282-08I	Amber 120ml unpreserved	C	7	7	2.5	Y	Absent		NYTCL-8081(7)
L2038282-08J	Amber 120ml unpreserved	C	7	7	2.5	Y	Absent		NYTCL-8081(7)
L2038282-08K	Amber 250ml unpreserved	C	7	7	2.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2038282-08L	Amber 250ml unpreserved	C	7	7	2.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2038282-08M	Amber 250ml unpreserved	C	7	7	2.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038282-08N	Amber 250ml unpreserved	C	7	7	2.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2038282-08O	Amber 1000ml unpreserved	C	7	7	2.5	Y	Absent		HERB-APA(7)
L2038282-08P	Amber 1000ml unpreserved	C	7	7	2.5	Y	Absent		HERB-APA(7)
L2038282-09A	Vial HCl preserved	C	NA		2.5	Y	Absent		NYTCL-8260(14)
L2038282-09B	Vial HCl preserved	C	NA		2.5	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 100 UNION AVE
Project Number: 12.0076932.00

Lab Number: L2038282
Report Date: 09/28/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
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
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
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
FLUOROTELOMERS		
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
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
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
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
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
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
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:	100 UNION AVE	**Lab Number:**	L2038282
Project Number:	12.0076932.00	**Report Date:**	09/28/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	100 UNION AVE	**Lab Number:**	L2038282
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1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

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. 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.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	100 UNION AVE	**Lab Number:**	L2038282
Project Number:	12.0076932.00	**Report Date:**	09/28/20

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	100 UNION AVE	**Lab Number:**	L2038282
Project Number:	12.0076932.00	**Report Date:**	09/28/20

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

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: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, 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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 9/16/20

ALPHA Job #: L2038282

Client Information
Client: GZA GeoEnvironmental Inc
Address: 55 Lane Rd
Fairfield NJ
Phone: 973-974-3300
Fax:
Email: MichaelBastidas@gza.com

Project Information
Project Name: 100 Union Ave
Project Location: Brooklyn NY
Project #: 12.0096432.00
(Use Project name as Project #) ☐
Project Manager: Meredith Hayes
ALPHAQuote #:

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

Deliverables
☒ NJ Full / Reduced NY
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☒ NJ Ground Water Quality Standards NY
☐ NJ IGW SPLP Leachate Criteria
☐ Other

Billing Information
☐ Same as Client Info
PO #

Site Information
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	Pesticides	Herbicides	PCB	Metals	1,4 Dioxane	PFAS	Sample Specific Comments	Total Bottle
38282-01	MW-3a	9/14/20	1030	GW	MB	X	X	X	X	X	X	X	X		
-02	MW-5	9/14/20	1322	GW	MB	X	X	X	X	X	X	X	X		
-03	~~Duplicate~~ 20200914-Dup	9/14/20	1330	GW	MB	X	X	X	X	X	X	X	X		
-04	MW-2a	9/14/20	1535	GW	MB	X	X	X	X	X	X	X	X		
-05	MW-1a	9/14/20	1637	GW	MB	X	X	X	X	X	X	X	X		
-06	MW-4a	9/14/20	1730	GW	MB	X	X	X	X	X	X	X	X		
-07	20200914-Field Blank	9/14/20	1830	DI	SM	X	X	X	X	X	X	X	X		
-08	20200914-Equipment Blank	9/14/20	1900	DI	MB	X	X	X	X	X	X	X			
-09	TripBlank	9/09/20	LAB	DI	LAB	X									

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

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

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Michael Bastidas		Melissa	9/15/20 08:40
Paul Magnella	9/15/20 2118	Paul Magnella	9/15/20 16:37
		William Mar	9/15/20 2118

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

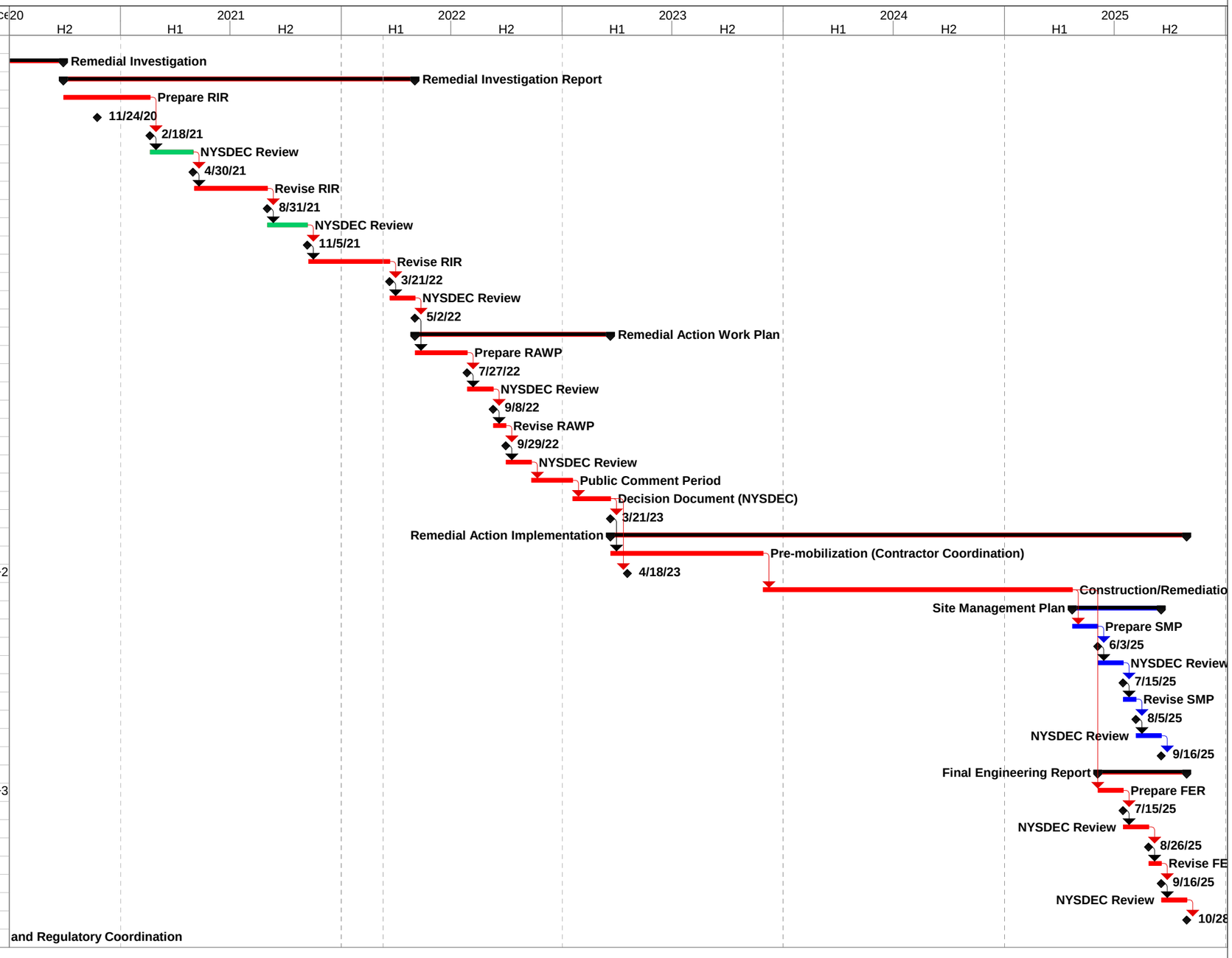
APPENDIX M – PROJECT SCHEDULE

100 Union Holdings LLC

100 Union Ave Redevelopment Site Project Schedule

Last Update: **Fri 3/11/22**

ID	Task Name	Duration	Start	Finish	Predece
1	Notice to Proceed	0 days	Mon 11/18/19	Mon 11/18/19	
2	**Remedial Investigation**	**121 days**	**Wed 4/8/20**	**Mon 9/28/20**	
11	**Remedial Investigation Report**	**401 days**	**Tue 9/29/20**	**Mon 5/2/22**	
12	Prepare RIR	97 days	Tue 9/29/20	Thu 2/18/21	10
13	Meeting with NYSDEC	0 days	Tue 11/24/20	Tue 11/24/20	
14	Submit RIR	0 days	Thu 2/18/21	Thu 2/18/21	12
15	NYSDEC Review	51 days	Fri 2/19/21	Fri 4/30/21	14
16	NYSDEC Issues Comments	0 days	Fri 4/30/21	Fri 4/30/21	15
17	Revise RIR	85 days	Mon 5/3/21	Tue 8/31/21	16
18	Submit Revised RIR	0 days	Tue 8/31/21	Tue 8/31/21	17
19	NYSDEC Review	46 days	Wed 9/1/21	Fri 11/5/21	18
20	NYSDEC Issues Comments	0 days	Fri 11/5/21	Fri 11/5/21	19
21	Revise RIR	92 days	Mon 11/8/21	Mon 3/21/22	20
22	Submit Revied RIR	0 days	Mon 3/21/22	Mon 3/21/22	21
23	NYSDEC Review	30 days	Tue 3/22/22	Mon 5/2/22	22
24	NYSDEC Approval	0 days	Mon 5/2/22	Mon 5/2/22	23
25	**Remedial Action Work Plan**	**225 days**	**Tue 5/3/22**	**Tue 3/21/23**	
26	Prepare RAWP	60 days	Tue 5/3/22	Wed 7/27/22	24
27	Submit RAWP	0 days	Wed 7/27/22	Wed 7/27/22	26
28	NYSDEC Review	30 days	Thu 7/28/22	Thu 9/8/22	27
29	NYSDEC Issues Comments	0 days	Thu 9/8/22	Thu 9/8/22	28
30	Revise RAWP	15 days	Fri 9/9/22	Thu 9/29/22	29
31	Submit Revised RAWP	0 days	Thu 9/29/22	Thu 9/29/22	30
32	NYSDEC Review	30 days	Fri 9/30/22	Thu 11/10/22	31
33	Public Comment Period	45 days	Fri 11/11/22	Tue 1/17/23	32
34	Decision Document (NYSDEC)	45 days	Wed 1/18/23	Tue 3/21/23	33
35	NYSDEC Approval	0 days	Tue 3/21/23	Tue 3/21/23	34
36	**Remedial Action Implementation**	**680 days**	**Wed 3/22/23**	**Tue 10/28/25**	
37	Pre-mobilization (Contractor Coordination)	180 days	Wed 3/22/23	Tue 11/28/23	35
38	Construction Notification Fact Sheet (NYSDEC)	0 days	Tue 4/18/23	Tue 4/18/23	34FS+2
39	Construction/Remediation	365 days	Wed 11/29/23	Tue 4/22/25	37
40	**Site Management Plan**	**105 days**	**Wed 4/23/25**	**Tue 9/16/25**	
41	Prepare SMP	30 days	Wed 4/23/25	Tue 6/3/25	39
42	Submit SMP	0 days	Tue 6/3/25	Tue 6/3/25	41
43	NYSDEC Review	30 days	Wed 6/4/25	Tue 7/15/25	42
44	NYSDEC Issues Comments	0 days	Tue 7/15/25	Tue 7/15/25	43
45	Revise SMP	15 days	Wed 7/16/25	Tue 8/5/25	44
46	Submit Revised SMP	0 days	Tue 8/5/25	Tue 8/5/25	45
47	NYSDEC Review	30 days	Wed 8/6/25	Tue 9/16/25	46
48	NYSDEC Approval	0 days	Tue 9/16/25	Tue 9/16/25	47
49	**Final Engineering Report**	**105 days**	**Wed 6/4/25**	**Tue 10/28/25**	
50	Prepare FER	30 days	Wed 6/4/25	Tue 7/15/25	39FS+3
51	Submit FER	0 days	Tue 7/15/25	Tue 7/15/25	50
52	NYSDEC Review	30 days	Wed 7/16/25	Tue 8/26/25	51
53	NYSDEC Issues Comments	0 days	Tue 8/26/25	Tue 8/26/25	52
54	Revise FER	15 days	Wed 8/27/25	Tue 9/16/25	53
55	Submit Revised FER	0 days	Tue 9/16/25	Tue 9/16/25	54
56	NYSDEC Review	30 days	Wed 9/17/25	Tue 10/28/25	55
57	NYSDEC Approval and Fact Sheet	0 days	Tue 10/28/25	Tue 10/28/25	56
58	**Project and Regulatory Coordination**	**87 days**	**Tue 12/3/19**	**Tue 4/7/20**	



GZA GeoEnvironmental, Inc.

Project: **NYSDEC BCP Site Number C224274**

Critical — Noncritical — Work by Others — Milestone — Summary — External Milestone — Deadline



GZA GeoEnvironmental, Inc.