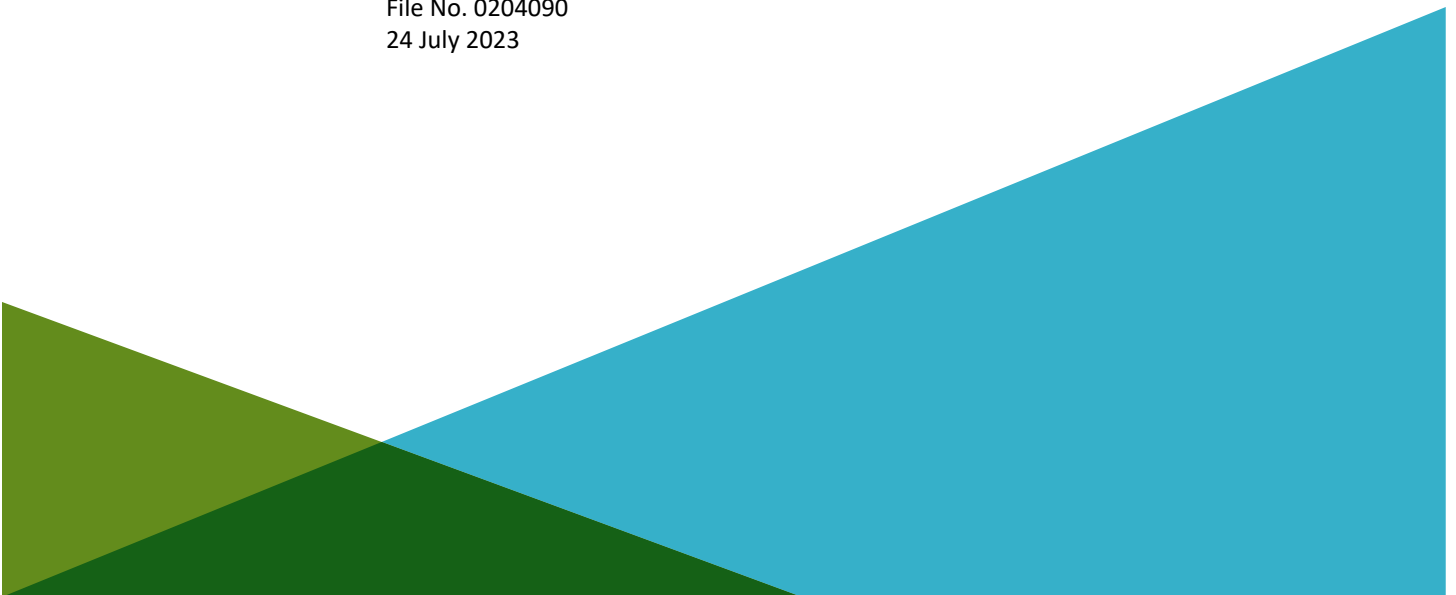


**REPORT ON
REMEDIAL INVESTIGATION
NYSDEC BCP SITE C224375
556 BALTIC STREET
BROOKLYN, NEW YORK**

by
Haley & Aldrich of New York
New York, New York

for
159 Third Realty LLC, 159 Third Residence LLC, and Baltic Residence LLC
Brooklyn, New York

File No. 0204090
24 July 2023





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REMEDIAL INVESTIGATION REPORT

556 BALTIC STREET SITE
NYSDEC BCP SITE C224375
556 BALTIC STREET
BROOKLYN, NEW YORK

PREPARED ON BEHALF OF

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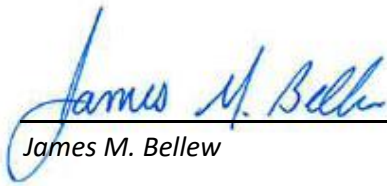
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Luke J. McCartney, P.G.
Project Manager
Haley & Aldrich of New York

Certification

This report documents remedial investigation activities conducted at the Site at 556 Baltic Street, Brooklyn, New York.

I, James M. Bellew, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report¹ was prepared in accordance with all statutes and regulations and in substantial conformance with the 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(s) and any DER-approved modifications.



James M. Bellew

¹ Certification applies to remedial investigation activities conducted after the execution of the Brownfield Cleanup Agreement (dated 15 December 2022).

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List of Acronyms and Abbreviations

A

Alpha	Alpha Analytical Laboratories, Inc.
AOCs	Areas of Concern
ASP	Analytical Services Protocol
AWQS	Ambient Water Quality Standards

B

BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
BEI	Berninger Environmental Inc
bgs	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes

C

CAMP	Community Air Monitoring Plan
CEQR	City Environmental Quality Review
cis-1,2-DCE	cis-1,2-dichloroethene
Coastal	Coastal Environmental Solutions, Inc.
COCs	Contaminants of Concern
CVOCs	Chlorinated Volatile Organic Compounds

D

DER-10	Division of Environmental Remediation-10 (<i>specifically “May 2010 NYSDEC Technical Guidance for Site Investigation and Remediation”</i>)
DOT	Department of Transportation
DPK	DPK Consulting LLC
DUSR	Data Usability Summary Report

E

ELAP	Environmental Laboratory Approval Program
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
ESI	Environmental Site Investigation

F

ft	Feet
FSP	Field Sampling Plan
FWRIA	Fish and Wildlife Resource Impact Analysis

G

GPR	Ground Penetrating Radar
GV	Guidance Value

H

Haley & Aldrich	Haley & Aldrich of New York

HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
HREC	Historical Recognized Environmental Conditions
HVAC	Heating, Ventilation, and Air Conditioning
I	
Impact	Impact Environmental
L	
L/min	Liters per Minute
M	
MCL	Maximum Concentration Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
MTBE	Methyl-tert-butyl-ether
MDL	Method Detection Limit
mg/kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
N	
NAPL/GCM	Non-aqueous Phase Liquid/Grossly Contaminated Material
ng/g	Nanograms per Gram
ng/L	Nanograms per liter
NTU	Nephelometric turbidity unit
NYCOER	New York City Office of Environmental Remediation
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O	
OSHA	Occupational Safety and Health Administration
P	
PAH	Polycyclic aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PCE	Perchloroethylene/Tetrachloroethene
PFAS	Per- and Polyfluoroalkyl Substances
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonic Acid
PGWSCO	Protection of Groundwater Soil Cleanup Objectives
PID	Photoionization Detector
PPB	Parts per Billion
PPE	Personal Protective Equipment
PPM	Parts per Million
PVC	Polyvinyl Chloride
PQL	Practical Quantitation Limit

Q

QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
QHHEA	Qualitative Human Health Exposure Assessment

R

RA	Remedial Action
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
RRSCOs	Restricted-Residential Soil Cleanup Objectives

S

SCO	Soil Cleanup Objective
SIM	Selective Ion Monitoring
Site	556 Baltic Street, Brooklyn, New York
SMP	Site Management Plan
SVOC	Semi-Volatile Organic Compound

T

TAL	Total Analyte List
TCE	Trichloroethene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leachate Procedure
TOGS 1.1.1	Technical and Operational Guidance Series 1.1.1 (<i>Specifically “June 1998 NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values, Class GA for the protection of a source of drinking water modified per the April 2000 addendum”</i>)

U

µg/kg	Micrograms per Kilogram
µg/L	Micrograms per Liter
µg/m ³	Micrograms per Cubic Meter
UST	Underground Storage Tank
UUSCOs	Unrestricted Use Soil Cleanup Objectives

V

VOCs	Volatile Organic Compounds
Volunteer	Collectively, 159 Third Realty LLC, 159 Third Residence LLC, and Baltic Residence LLC

1. Introduction

This Remedial Investigation Report (RIR) was developed by Haley & Aldrich of New York (Haley & Aldrich) on behalf of 159 Third Realty LLC, 159 Third Residence LLC, and Baltic Residence LLC for the proposed development of the property located at 556 Baltic Street, Brooklyn, New York (the Site). 159 Third Realty LLC, 159 Third Residence LLC, and Baltic Residence LLC applied to and were accepted into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) as a Volunteer. A Brownfield Cleanup Agreement (BCA) was executed by the NYSDEC and 159 Third Realty LLC, 159 Third Residence LLC, and Baltic Residence LLC (the “Volunteer”) on 15 December 2022 (BCP Site No. C224375).

The Site, identified as Section 3, Block 407, Lot 1 on the New York City tax map, is approximately 11,800 square feet in size. The Site is bound to the north by Baltic Street followed by a multi-story residential building, to the west by Third Avenue followed by a single-story commercial/manufacturing building, to the east by a four-story residential building and a Cube Smart storage facility, and to the south by Butler Street followed by a hotel. The Site location is shown on Figure 1. A Site plan is shown on Figure 2.

The Site is located within a residential and manufacturing zoning district (M1-4/R7X). The Site is in an urban area surrounded by commercial and industrial properties served by municipal water. The Volunteer plans to redevelop the Site for mixed-use commercial and residential purposes (including affordable housing) consistent with current zoning.

The Site is listed with an environmental E-Designation (E-601) for hazardous materials, noise, and air quality (Heating, ventilation, and air conditioning [HVAC] limited to natural gas and exhaust stack location limitations) resulting from a City Environmental Quality Review (CEQR) effective March 2019 CEQR # 19DCP157K). Satisfaction of the E-Designation requirements is subject to review and approval by the New York City Mayor’s Office of Environmental Remediation (OER) prior to redevelopment.

The activities of this Remedial Investigation (RI) were completed from 1 February 2023 through 27 February 2023 and between 2 June and 8 June 2023 in accordance with the Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10) and the NYSDEC-approved January 2023 Remedial Investigation Work Plan (RIWP).

1.1 PURPOSE AND OBJECTIVES

Previous investigations conducted at the Site identified the presence of elevated concentrations of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals in soil at the Site. Additionally, previous investigations detected high benzene, toluene, ethylbenzene, and xylenes (BTEX) and total VOC concentrations in soil vapor indicating source material contamination which was not previously identified.

Previous investigations conducted at the Site identified the presence of elevated concentrations of VOCs, SVOCs, and metals in soil at the Site and VOCs in soil vapor. Additional investigation was required to ascertain and delineate on Site source(s) of the total VOCs soil vapor as previous investigations did

not comprehensively delineate the extent of contamination on the Site. Results of the sample analyses in this investigation were used to confirm the results of the previous Site characterization activities, delineate any on-site source(s), and determine a course for remedial action.

2. Site Background

2.1 SITE LOCATION AND DESCRIPTION

The Site, identified as Section 3, Block 407, Lot 1 on the New York City tax map, is approximately 11,800 square feet in size. The Site is located in a mixed-use residential and manufacturing area and is bound to the north by Baltic Street followed by a multi-story residential building, to the west by Third Avenue followed by a single-story commercial/manufacturing building, to the east by a four-story residential building and a Cube Smart storage facility, and to the south by Butler Street followed by a hotel.

The Site is located within a residential and manufacturing zoning district (M1-4/R7X). The Site is in an urban area surrounded by commercial and industrial properties served by municipal water. The Volunteer plans to redevelop the Site for mixed-use residential and commercial purposes (including affordable housing) consistent with current zoning.

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A Site location map is provided as Figure 1 and a Site plan showing the property boundaries and adjacent properties is provided as Figure 2.

2.2 GEOLOGY AND HYDROGEOLOGY

The Site is underlain by a layer of fill consisting of mainly brown to gray fine to medium sand and silty fine sand with gravel and fragments of asphalt, concrete, brick, glass, cinders, and wood. The depth of fill material varies across the Site extending to a maximum depth of approximately 25 feet (ft) below ground surface (bgs). The fill is underlain by a fine sand with varying amounts of fine- and coarse-grained sediments, an organic clay at a depth of about 30 to 32 ft bgs, followed by a gray to brown silty fine sand grading to a red brown to brown fine sand with varying amounts of medium and coarse sand with fine to coarse gravels and cobbles. Bedrock beneath the Site consists of muscovite-biotite-quartz schist. Depth to bedrock beneath the Site is greater than 100 ft bgs.

Groundwater was encountered at 14.49 to 15.69 ft bgs, and groundwater flow beneath the Site is generally to the southeast.

2.3 SITE HISTORY

The Site was developed in the 1920s with multiple four-story commercial stores. By 1978, a car wash was constructed on the northern portion of the Site. The Site operated as a gasoline service station, auto rental, and car wash from the 1970s until the Site became vacant in December 2022. Two 4,000-gallon gasoline Underground Storage Tanks (USTs) were installed in 1972 and reportedly a 550-gallon tank was installed in 1974 and closed-removed in 1997. There are three previously closed spill cases reported for the Site including two that were reportedly the result of failed tank tightness testing and a

third case pertaining to impacted groundwater on the Site and the neighboring property across Third Avenue.

2.4 REDEVELOPMENT PLANS

Although the future development plans are in preliminary design phases, the proposed development will consist of constructing a new mixed-use (residential and commercial), mixed-income building that will provide affordable housing pursuant to *421-a (1-15) Program*. The new development is anticipated to include a cellar that will encompass the entire lot requiring excavation extending to approximately 15 ft bgs.

3. Summary of Previous Investigations

To date, the following investigations have been performed at the Site:

1. November 2006 Investigation Summary Report, prepared by Impact Environmental (Impact);
2. February 2007 Update to Subsurface Investigation Report, prepared by Impact;
3. 2017-2019 Quarterly Groundwater Monitoring Reports Spill #95-06588, prepared by Berninger Environmental Inc. (BEI);
4. September 2021 Phase I Environmental Site Assessment, prepared by GEI Consultants;
5. December 2021 Limited Phase II Environmental Site Investigation Report, prepared by Haley & Aldrich; and
6. March 2022 Remedial Investigation Report, prepared by Haley & Aldrich.

A summary of the environmental findings of these investigations is provided below.

November 2006 Investigation Summary Report Prepared by Impact

This investigation was conducted to define what, if any, contaminants have impacted the environmental quality of the Site. The objectives of this investigation were: 1) to determine the extent of any gasoline-related soil or groundwater contamination associated with the NYSDEC Spill #95-06588; and 2) to determine the site-specific groundwater flow direction, determined to be to the east-northeast. In November 2006, Impact installed four soil borings and four groundwater monitoring wells. Soil analytical results did not detect elevated VOC concentrations in soil with the exception of one detection of benzene at 6.6 parts per billion (ppb). Elevated polycyclic aromatic hydrocarbons (PAHs) were detected in soil samples collected at 4 to 11 ft bgs throughout the Site. Groundwater analytical results detected elevated concentrations of naphthalene, BTEX, and methyl-tert-butyl-ether (MTBE) above applicable standards. Impact concluded that the extent of the dissolved phase gasoline groundwater contamination was not fully delineated under the scope of this investigation. Accordingly, it was recommended that monitoring wells be installed hydraulically down gradient.

February 2007 Update to Subsurface Investigation Report – Citgo Service Station at 169 Third Avenue, Brooklyn, New York NYSDEC Spill #: 95-06588 Prepared by Impact

This letter was an update to the Subsurface Investigation Report prepared for the Site and included results from the installation and sampling of monitoring wells installed downgradient from impacted groundwater in wells observed in the 2006 investigation. Additional soil samples were collected from the locations of the monitoring wells. VOCs were not detected in soil and groundwater analytical results. Impact concluded that contamination did not migrate beyond the Site and considered the contamination fully delineated and proposed corrective action via a Remedial Action Plan which was submitted in April 2007 and approved in May 2007. Proposed remedial action included enhanced bioremediation combining Waterloo Emitter™, oxygen gas diffusive release technology, and BioCrittter®, a naturally occurring microbial blend, in order to enhance growth of microorganisms required for in-situ

bioremediation. According to the 95-06588 Spill Report, the Remedial Action Plan was approved in May 2007 and remedial systems were implemented in October of 2007 and quarterly monitoring began in 2008 by BEI.

2017-2019 Quarterly Groundwater Monitoring Reports Spill #95-06588

Prepared by BEI

Quarterly groundwater monitoring reports were received via Freedom of Information Law requests dated March 2017 through March 2019. Reports found no free product in monitoring wells at the Site and fluctuating levels of BTEX and petroleum-related VOCs. Spill closure was requested when VOC concentrations continued a downward trend with only three remaining wells exhibiting minor detections above groundwater standards. Remaining impacts were expected to naturally attenuate over time and BEI concluded the Site did not pose a threat to human health or the environment. NYSDEC approved spill closure on 16 May 2019.

September 2021 Phase I Environmental Site Assessment

Prepared by GEI Consultants

A Phase I Environmental Site Assessment (ESA) was performed by GEI Consultants, Inc. in September 2021 for the purpose of identifying Recognized Environmental Conditions (RECs) in connection with the Site. As identified in the Phase I ESA, the Site was initially developed in the 1920s with multiple four-story commercial stores. Between 1972 and 1980, a gasoline service station began operations and by 1978, the former car wash facility was developed.

The Phase I identified the following RECs at the Site:

- NYSDEC Spill Incident 9607280 – Open NYSDEC Spill incident located at the adjacent property across Third Avenue to the west of the subject Site. A monitoring well was required to be installed on the subject Site for gauging and sampling related to the open spill case.
- The Site has been operating as a gasoline service station since the 1970s.
- The Site was utilized for auto repair and detailing.

Additionally, three Historical Recognized Environmental Conditions (HRECs) were identified in connection with the Site, each corresponding to a closed spill case reported at the Site.

Details of each spill case are included below:

- Spill #1402248 was reported on 2 June 2014 due to a failed tank tightness test. The source of the leak was identified as a vent line at the vent stack. Repairs were made and the system passed retesting and the spill case was closed on 9 July 2014.
- Spill #0902974 was reported on 12 June 2019 due to a failed tank tightness test. No contamination was observed, and a manway gasket was replaced. The tank passed the tank tightness test following the repair, and NYSDEC closed the spill case on 18 August 2009.
- Spill #9506588 was reported on 17 August 1995. This spill was investigated and remediated in conjunction with Spill #9607280 (associated with the west adjacent property). NYSDEC determined that the remediation was complete and closed the Spill # on 16 May 2019.

December 2021 Limited Phase II Environmental Site Investigation (ESI) Report
Prepared by Haley & Aldrich

Haley & Aldrich completed a limited sampling event at the Site to investigate soil, soil vapor, and groundwater quality beneath the Site. Fill material, generally consisting of brown to dark brown coarse to medium sand with varying amounts of gravel, concrete, brick, asphalt, and silt, was observed from surface grade to approximately 8 to 10 ft bgs. The fill layer was underlain by brown fine silty sand extending to each boring terminus (approximately 15 ft bgs). Petroleum-like odors and elevated photoionization detector (PID) readings were encountered in borings B-4 and B-6 from 10 to 15 ft bgs with a maximum detected VOC concentration of 141.1 parts per million (ppm) in B-4. A groundwater sample was collected from the pre-existing groundwater monitoring well on Site (MW-1) associated with Spill #9607280 on the west-adjacent property. Three temporary soil vapor points, SV-1 through SV-3, were installed approximately 12 ft bgs (just above the groundwater interface).

Four petroleum-related VOCs were detected in Site soils above Unrestricted-Use Soil Cleanup Objectives (UUSCOs) from 13 to 15 ft bgs. Multiple SVOCs, specifically PAHs, were identified at concentrations above the UUSCOs and Restricted-Residential Soil Cleanup Objectives (RRSCOs) in soil samples from the surface to 4 ft bgs. Metals were detected exceeding both UUSCOs and RRSCOs in shallow and deep soil samples Site-wide. Arsenic was detected in one soil sample above the RRSCO and one soil sample above the UUSCO. Barium was detected above the RRSCO in one soil sample. Copper, lead, mercury, nickel, and selenium were detected in multiple soil samples throughout the Site above the UUSCOs.

No VOCs were detected above the Ambient Water Quality Standards (AWQS). Multiple SVOCs, specifically PAHs, were detected in MW-1 with estimated concentrations above the AWQS including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno (1,2,3-cd) pyrene.

Total VOC concentrations in soil vapor ranged from 121,290 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in sample SV-3 to 5,168,000 $\mu\text{g}/\text{m}^3$ in sample SV-2. Total BTEX concentrations ranged from non-detect in sample SV-1 to 28,000 $\mu\text{g}/\text{m}^3$ in SV-2.

The soil vapor sample results were also evaluated using the New York State Department of Health (NYSDOH) Decision Matrices A, B, and C (Updated May 2017) as referenced in the 2006 NYSDOH Soil Vapor Intrusion Guidance document. Indoor air was not sampled; therefore, the soil vapor concentrations were compared to the matrices to provide a range of recommended potential response measures. Of the compounds evaluated in the NYSDOH Decision Matrices, concentrations were not detected above the criteria thresholds for action.

It was noted that high method detection limits (MDLs) were reported for soil vapor samples. This is likely due to the fact that samples were diluted in the laboratory to accommodate for the high concentration of a non-target compound that was detected in the soil vapor sample (i.e., a compound outside of the TO-15 compound list). Based on the analytical data provided, it can be stated that concentrations of TO-15 compounds do not exist at or above the MDLs reported; however, concentrations may be present below this reported value. Non-target compounds with high detections include 2,2,4-trimethylpentane, a known component of gasoline, at 30,900 $\mu\text{g}/\text{m}^3$. Additional compounds associated with solvent usage

were detected above laboratory detection limits including n-hexane (72,200 $\mu\text{g}/\text{m}^3$), cyclohexane (14,300 $\mu\text{g}/\text{m}^3$), and heptane (3,130 $\mu\text{g}/\text{m}^3$). Detections of these compounds are indicative of a source associated with gasoline and solvents.

March 2022 Remedial Investigation Report Prepared by Haley & Aldrich

Haley & Aldrich completed a Phase II/RI for the New York City Office of Environmental Remediation (NYCOER) in January 2022 to investigate and delineate the nature and extent of contamination identified at the Site during the previous Limited Phase II ESI. The stratigraphy of the Site, from the surface down, consisted of approximately 8 to 10 ft of urban fill material, comprised of brown to dark brown coarse to fine sand with varying amounts of gravel, concrete, brick, asphalt, and silt, underlain by a potentially native layer consisting of brown fine silty sand. Petroleum-like odors and staining were observed in SB-05 from 18 to 20 ft bgs. PID readings ranged from non-detect at 0.0 ppm to 36.3 ppm in SB-05 at approximately 20 ft bgs. A total of 15 soil samples, four groundwater samples, and six soil vapor samples were collected (plus quality assurance/quality control [QA/QC] samples).

No VOCs were detected in soil samples at concentrations exceeding the applicable soil cleanup objectives. Seven SVOCs, specifically PAHs, were detected above RRSCOs. The SVOC, 3-Methylphenol/ 4-Methylphenol was detected above the UUSCO in SB-07. No other SVOCs were detected above the UUSCOs or RRSCOs in any soil samples. Total polychlorinated biphenyls (PCBs) were detected exceeding the UUSCO in a shallow soil sample in SB-1. PCBs were not detected above UUSCOs or RRSCOs in any other soil sample. Four pesticides were detected above the UUSCOs but not the RRSCOs in SB-07. No other pesticides were detected above either UUSCOs or RRSCOs in any other sample. Four metals including arsenic, copper, lead, and mercury were detected above both UUSCOs and RRSCOs, and three metals including nickel, selenium, and zinc, were detected above the UUSCOs in SB-7 at 12-14 ft bgs. No other metals were detected above both UUSCOs and RRSCOs in any other soil sample.

One soil sample, SB-02 (0-2'), was analyzed for emerging contaminants. Perfluoroheptanoic acid, perfluorooctanesulfonic acid (PFOS), perfluorooctanoic acid (PFOA), and perfluorotetradecanoic acid were identified above laboratory detection limits. No other PFOA/per- and polyfluoroalkyl substances (PFAS) compounds were identified above laboratory detection limits. The compound 1,4-dioxane was not detected above laboratory detection limits in the soil sample analyzed.

VOCs were not detected above AWQS in any sample. Two SVOCs were detected above the AWQS in TW-1. One SVOC was detected above the AWQS in TW-1 and TW-3. No other SVOCs were detected above the AWQS in any other groundwater samples. Six metals, arsenic, iron, lead, manganese, mercury, and sodium, were detected above the AWQS in all four groundwater samples. No other metals were detected above the AWQS in any other groundwater samples. Three dissolved metals, iron, manganese, and sodium, were detected above the AWQS in MW-1 and TW-2. No other dissolved metals were detected above the AWQS in any other groundwater sample. PCBs and Pesticides were not detected above the AWQS in any groundwater samples.

While a groundwater cleanup regulatory criterion does not exist for 1,4-dioxane in New York State, concentrations were compared to New York State's Drinking Water Maximum Contaminant Level (MCL) of 1 microgram per liter ($\mu\text{g}/\text{L}$). The compound 1,4-dioxane was not detected above the MCL in any

groundwater samples. PFAS compounds in groundwater were compared to the NYSDEC June 2021 guidance values. One PFOA/PFAS compound was detected above the NYSDEC target limit of 10 nanograms per liter (ng/L) at 14.4 ng/L in TW-2. Eighteen additional PFOA/PFAS compounds were identified above detection limits.

Total VOC concentrations in soil vapor samples ranged from 56.04 $\mu\text{g}/\text{m}^3$ in sample SV-5 to 3,189.51 $\mu\text{g}/\text{m}^3$ in sample SV-2. Total BTEX concentrations ranged from non-detect in SV-2 to 23.45 $\mu\text{g}/\text{m}^3$ in SV-6. Chlorinated VOCs (CVOCs) including, 1,1,1-trichloroethane, tetrachloroethene (PCE), trichloroethene (TCE), carbon tetrachloride, 1,1-dichloroethene, cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride were not detected in soil vapor samples.

High MDLs were reported in soil vapor samples. While soil vapor samples were run for Selective Ion Monitoring (SIM) analysis in order to achieve the lowest possible detection limits, interference from target compounds required the laboratory to dilute the samples in order to run on the instrumentation. Upon discussion with the air analysis group at Alpha Analytical Laboratories, Inc. (Alpha) the explanation for elevated detection limits is that target compounds cannot be ignored by their instrumentation and dilution is required to allow for a compliant analysis and in order to not saturate the instrumentation detector nor cause sample carryover and instrument contamination.

4. Remedial Investigation Approach

4.1 PROJECT TEAM

A project team for the Site was created based on qualifications and experience with personnel suited for successful completion of the project.

The NYSDEC Case Manager/Project Manager was Ruth Curley. The Case Manager/Project Manager was responsible for overseeing the successful completion of the project work and adherence to the approved RIWP on behalf of NYSDEC.

The NYSDOH Case Manager/Project Manager was Christopher Budd. The Case Manager/Project Manager was responsible for overseeing the successful completion of the project work and adherence to the work plan on behalf of NYSDOH.

James M. Bellew was the Qualified Environmental Professional for this work. In this role, Mr. Bellew was responsible for the overall completion of each task as per the requirements outlined in this work plan and in accordance with the DER-10 guidance.

Mari C. Conlon was the Principal in Charge for this work. In this role, Ms. Conlon was responsible for communications with the NYSDEC Case Manager regarding project status, schedule, issues, and updates for project work.

Luke McCartney was the Haley & Aldrich Project Manager for this work. In this role, Mr. McCartney managed the day-to-day tasks, including coordination and supervision of field engineers and scientists, adherence to the work plan and oversight of the project schedule.

Sebastian Sotomayor was the field engineer responsible for implementing the field effort for this work. Mr. Sotomayor's responsibilities included implementing the work plan activities and directing the subcontractors to ensure the successful completion of field activities.

The drilling subcontractor utilized for this investigation was Coastal Environmental Solutions, Inc. (Coastal). Coastal provided Geoprobe and Sonic rig operators to implement the scope of work of the approved RIWP.

Samples were collected in laboratory-prepared sample bottles (pre-preserved when appropriate), placed in ice-packed coolers maintained at approximately 4 degrees Celsius under standard chain of custody procedures, and transported to Alpha of Westborough, Massachusetts (Certification No. 07010T). Alpha was responsible for analyzing the samples as per the analyses and methods identified in the approved RIWP.

4.2 GROUND PENETRATING RADAR SURVEY

Haley & Aldrich oversaw a Ground Penetrating Radar (GPR) Survey performed at the Site by East Coast Geophysics Inc. on 1 February 2023. The survey was conducted to identify the presence of any utilities, USTs, or any other anomalies that may be present in the subsurface. The Site was scanned using a ground-penetrating radar 400 MHz cart-mounted GPR system, a high-range precision utility detector, and an electromagnetic pipe and cable locator. Soil conditions allowed for a maximum GPR penetration depth of 3 ft bgs in most areas. Metallic anomalies/USTs were not detected throughout accessible areas of the Site with the exception of two USTs associated with former gasoline service station operations located beneath the canopy. Several utilities were marked on the Site in designated colors. Full results of the GPR Survey are provided in Appendix A, and the location of the USTs is depicted on Figures 2 and 3.

4.3 SOIL BORING INSTALLATION AND SOIL SAMPLING

Additional soil samples were collected to meet NYSDEC DER-10 requirements for remedial investigations, as well as further characterize soil conditions.

Twenty-one soil borings were advanced between 20 to 25 ft bgs, using either a track-mounted Eijkelpkamp CRS-XL-140 Duo sonic drill rig or Geoprobe® models 6610DT and 420M drill rigs operated by a licensed operator provided by Coastal, the drilling subcontractor. Soil samples were collected from acetate liners using a stainless-steel trowel or sampling spoon. Samples were collected using laboratory-provided clean bottleware. VOC grab samples were collected using terra cores. Sampling locations are displayed in Figures 3 and 4.

Soils were logged continuously by a geologist using the Modified Burmister Soil Classification System. The presence of staining, odors, and PID response was noted. Soil boring logs are provided as Appendix B. Sampling methods are described in the RIWP.

Soil samples representative of Site conditions were collected at 21 locations widely distributed across the Site, as shown in Figure 3. Samples were collected from 2 to 4 ft bgs, 6 to 8 ft bgs, 10 to 12 ft bgs, and 14 to 16 ft bgs, and additional soil samples were collected in borings HA-19 and HA-21 from 20 to 22 ft bgs below where petroleum impacts were observed.

Haley & Aldrich collected 86 soil samples (plus QA/QC samples) for laboratory analysis. Soil samples were collected in laboratory-supplied containers, which were relinquished under standard chain-of-custody protocol and delivered via laboratory-provided courier to Alpha for analysis.

Alpha is a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory. As detailed in Table 1, soil samples were analyzed for the following:

- Target Compound List (TCL) VOCs using U.S. Environmental Protection Agency (EPA) method 8260B;
- TCL SVOCs using EPA method 8270C;
- Total Analyte List (TAL) Metals using EPA method 6010;
- PCBs using EPA method 8082;

- TCL Pesticides using EPA method 8081B;
- PFAS by EPA Method 1633; and,
- 1,4-dioxane by EPA Method 8270 SIM.

As per NYDSEC DER-10 requirements, samples analyzed for PFAS and 1,4-dioxane were collected and analyzed in accordance with the NYSDEC issued November 2022 “Guidelines for sampling and Analysis of PFAS” and the November 2022 Sampling for “1,4-dioxane and Per- and Polyfluoroalkyl Substances (PFAS) Under DEC’s Part 375 Remedial Programs,” respectively. Table 1 provides a summary of all soil samples collected as part of this RI, including sample locations, sample depths, and analyses performed on each sample.

In addition, lead and mercury delineations were conducted on-Site at locations depicted on Figure 4, where elevated concentrations of lead and mercury were detected during previous investigations. A lead delineation was performed at boring location HA-24 (former December 2021 Limited Phase II boring location B-7). From this location, 5-ft step out borings (DB-01 through DB-03) were advanced in three directions with samples collected from 0 to 2 ft bgs, 2 to 4 ft bgs, and 4 to 6 ft bgs, and analyzed for total and Toxicity Characteristic Leachate Procedure (TCLP) lead. A mercury delineation was performed at boring locations HA-25 and HA-26, (former January 2022 Phase II soil boring location SB-7 and former December 2021 Limited Phase II boring location B-4, respectively). From HA-25, 5-ft step out borings (DB-04 through DB-06) were advanced in three directions with samples collected from 10 to 12 ft bgs, 12 to 14 ft bgs, and 14 to 16 ft bgs, and analyzed for total and TCLP mercury. From HA-26, 5-ft step out borings (DB-07 and DB-09) were advanced in two directions with samples collected from 11 to 13 ft bgs, 13 to 15 ft bgs, and 15 to 17 ft bgs, and analyzed for total and TCLP mercury. DB-08 could not be completed due to the presence of the existing USTs identified with the GPR survey. Additional delineation will be completed pending tank removal and prior to soil load out as part of the forthcoming Remedial Action Work Plan (RAWP).

To investigate the potential for the presence of non-aqueous phase liquid/grossly contaminated material (NAPL/GCM), two soil borings (HA-22 and HA-23, depicted on Figure 5) were advanced to 100 ft bgs. Shake tests were performed from intervals 38 to 40 ft, 58 to 60 ft, 68 to 70 ft, 78 to 80 ft, 88 to 90 ft, and 98 to 100 ft in HA-22 and 30 to 31 ft, 37 to 38 ft, 50 to 51 ft, 59 to 60 ft, 90 to 91 ft, and 99 to 100 ft in HA-23. NAPL/GCM was not identified in either boring and therefore soil samples were not collected for laboratory analysis.

4.4 PERMANENT MONITORING WELL INSTALLATION AND GROUNDWATER SAMPLING

The purpose of groundwater sampling was to obtain current groundwater data and meet NYSDEC DER-10 requirements for remedial investigations.

Nine, 2-inch permanent monitoring wells were installed to 20 ft bgs. See Figure 3 for monitoring well locations. Each monitoring well was constructed using 2-inch diameter polyvinyl chloride (PVC) riser pipe with 10-ft-long, 10 slot (0.01-inch) slotted screens. Each monitoring well was backfilled with #0 certified clean sand fill, followed by a bentonite plug, and sealed at grade with steel flush-mount covers. Monitoring well screens were installed to straddle the water table. During a monitoring well gauging event concurrent with the well survey on 16 February 2023, groundwater was encountered at depths

ranging from approximately 14.49 to 15.69 ft bgs. Well construction diagrams are provided in Appendix C.

Following installation, monitoring wells were developed by surging a pump in the well several times to pull fine-grained material from the well. Development was completed until the water turbidity was 50 nephelometric turbidity units (NTU) or less, or 10 well volumes were purged.

One week after development, Haley & Aldrich collected nine groundwater samples (plus QA/QC) for laboratory analysis including the following:

- TCL VOCs using EPA method 8260B;
- TCL SVOCs using EPA method 8270C;
- Total Metals using EPA methods 6010/7471;
- Dissolved Metals using EPA methods 6010/7471;
- TCL Pesticides using EPA method 8081B;
- PCBs using EPA method 8082;
- PFAS using EPA method 537; and,
- 1,4-Dioxane using EPA method 8270 SIM.

Groundwater samples analyzed for PFAS and 1,4-dioxane were collected and analyzed in accordance with the NYSDEC issued November 2022 “Guidelines for Sampling and Analysis of PFAS” and the November 2022 Sampling for “1,4-dioxane and PFAS Under DEC’s Part 375 Remedial Programs,” respectively.

Table 1 provides a summary of all groundwater samples collected as part of this RI, including sample locations, sample depths, and analyses performed on each sample.

Groundwater monitoring wells were sampled utilizing low-flow sampling procedures for groundwater sampling. Prior to sampling, the water level was measured from each monitoring well using an electronic water level meter. Groundwater from each well was purged using low pumping rates (less than 500 milliliters per minute) to limit drawdown of the water level. Dedicated disposable field equipment used at each well included high-density polyethylene and silicon tubing. Wells were purged until turbidity, pH, temperature, dissolved oxygen, and specific conductivity stabilized. Field measurements collected from the flow cell were logged and are included in Appendix D.

DPK Consulting LLC (DPK), a New York State-licensed surveyor, completed a monitoring well survey on 16 February 2023. During surveying, Haley & Aldrich performed a synoptic monitoring well gauging event. Groundwater flows to the southeast. A summary of the data collected by the licensed surveyor is provided as Appendix E. A groundwater contour map is provided in Figure 6 and a summary of the synoptic monitoring well gauging results is provided in Appendix F.

4.5 SOIL VAPOR PROBE INSTALLATION AND SOIL VAPOR SAMPLING

Soil vapor samples were collected in accordance with the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH October 2006). Eight soil vapor probes were installed at 12 to 13 ft bgs, approximately 1 and 2 ft above the observed groundwater interface. The vapor implants were installed using a stainless-steel probe to the desired sample depth.

To ensure the stainless-steel soil vapor probe was sealed completely to the surface using bentonite, a tracer gas was used in accordance with NYSDOH protocols to serve as a QA/QC device to verify the integrity of the soil vapor probe seal. In addition, one to three implant volumes were purged prior to the collection of the soil vapor samples. Sampling occurred for the duration of approximately two hours. At the conclusion of the sampling round, tracer monitoring was performed a second time to confirm the continued integrity of the probe seals.

Samples were collected in appropriately-sized Summa canisters that were batch-certified clean by the laboratory. Samples were analyzed for VOCs using USEPA Method TO-15. Flow rate for both purging and sampling did not exceed 0.2 liters per minute (L/min). Additional details regarding the sampling methods are described in the Field Sampling Plan (FSP) provided in the approved RIWP. Soil vapor sampling logs are provided in Appendix G.

Table 1 provides a summary of all soil vapor samples collected as part of this RI, including sample locations, sample depths, and analyses performed on each sample.

4.6 DEVIATIONS FROM THE RIWP

The RI was performed in substantial conformance with the approved RIWP with the exception of the following:

- Several boring, monitoring well, and soil vapor points were slightly relocated during the RI due to field conditions or multiple refusals at their original locations.
- An additional soil sample was collected at HA-19 and HA-21 from 20 to 22 ft bgs due to a petroleum odor and elevated PID readings observed at 18 ft bgs.
- NYSDC and NYSDOH required completion of off-site soil vapor sampling at additional locations VP-09 and VP-10.
- Mercury delineation boring DB-08 was not completed due to the presence of the existing USTs, identified with the GPR survey. Additional delineation will be completed pending tank removal and prior to soil load out as part of the forthcoming RAWP.
- Mercury delineation samples from borings DB-04 through DB-06 were analyzed out of hold time, as noted in the Data Usability Summary Report (DUSR) in Appendix I.

4.7 QUALITY ASSURANCE/QUALITY CONTROL

The RI was conducted in accordance with Haley & Aldrich's Quality Assurance Project Plan (QAPP) provided as an Appendix to the RIWP. Haley & Aldrich's sampling program included several types of

QA/QC samples and measures to ensure the usability of the data. QA/QC samples included equipment rinsate/field blanks, trip blanks, sample duplicates, and matrix spike/matrix spike duplicates (MS/MSDs).

When applicable, the sample result summary tables list the laboratory MDL at which a compound was non-detectable. The laboratory results were reported to the sample-specific practical quantitation limit (PQL), equal to the sample-specific MDL, supported by the instrument calibrations.

The reliability of laboratory data is supported by compliance with sample holding times and laboratory MDLs below cleanup criteria. The accuracy and precision of the laboratory analytical methods were maintained by using calibration and calibration verification procedures, laboratory control samples, and surrogate, matrix, and analytical spikes. A review of the laboratory data packages indicates that holding times were met and no significant non-conformance issues were reported. Category B laboratory reports are provided in Appendix H. Data will be validated as detailed in Section 6.4 and summarized in DUSRs which are included in Appendix I.

4.8 FIELD EQUIPMENT DECONTAMINATION

Downhole drilling equipment was decontaminated between each boring by washing with an Alconox-based solution. Decontamination wastewater was contained in a wash pan and containerized in 55-gallon drums for disposal. Handheld sampling equipment was decontaminated by hand in an Alconox-based solution and triple-rinsed with deionized water. Decontamination liquids were temporarily contained in 5-gallon buckets and then added to drums at the end of each workday.

4.9 INVESTIGATION DERIVED WASTE

Following sample collection, boreholes that were not converted to monitoring wells were backfilled with soil cuttings and an upper bentonite plug. Boreholes were restored to grade with the surrounding area. Groundwater purged from the monitoring wells during development and sample collection was placed into Department of Transportation (DOT)-approved 55-gallon drums pending offsite disposal. A total of two 55-gallon drums of purge water were produced during the Investigation. The drums are currently labeled and staged on-site in a manner that prevents leakage, deterioration, or release of waste. The drums will be transferred to an approved facility for disposal during implementation of the remedy.

4.10 REPORTING

During the implementation of the NYSDEC-approved RIWP, daily reports were provided to NYSDEC. Daily field reports included a summary of sampling and field activities, an investigation progress update, and photographs of field work. The daily reports are included in Appendix J.

5. Health and Safety

The work outlined above was completed under a Site-specific Health and Safety Plan (HASP) in accordance with Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) regulations. Work was completed in Modified Level D personal protective equipment (PPE). A copy of the HASP is included in Appendix E of the NYSDEC-approved RIWP.

The remedial investigation activities were conducted in accordance with a Site-specific Community Air Monitoring Plan (CAMP). CAMP data was provided to NYSDEC in the daily reports included in Appendix J.

6. Contaminants of Concern and Nature and Extent of Contamination

6.1 APPLICABLE STANDARDS

Soil analytical results were compared to NYSDEC 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 UUSCOs, Protection of Groundwater SCOs (PGWSCOs), and RRSCOs. Note that no standards for PFAS in soil currently exist in New York State; however, NYSDEC published soil guidance values for PFOA and PFOS in October 2020 (latest revision November 2022). PFOA and PFOS soil sample results are compared to the unrestricted use and restricted residential use soil guidance values outlined in the Part 375 Remedial Programs Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) guidance. In addition, soil samples analyzed for TCLP lead and mercury were compared to 6 NYCRR Part 371.3 and 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 – USEPA Resource Conservation and Recovery Act (RCRA) Characteristics of Hazardous Waste.

Groundwater analytical results were compared to 6 NYCRR Part 703.5 NYSDEC Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values (AWQS). Groundwater samples to be analyzed for PFAS and 1,4-dioxane will be collected and analyzed in accordance with the NYSDEC November 2022 “Sampling, Analysis and Assessment of PFAS” and the November 2022 Sampling for “1,4-dioxane and Per- and Polyfluoroalkyl Substances (PFAS) Under DEC’s Part 375 Remedial Programs,” respectively. Emerging contaminants PFOA/PFAS and 1,4-Dioxane were compared to the NYSDEC February 2023 Guidance Values (NYSDEC GV) for PFOA, PFOS, and 1,4-Dioxane.

No direct comparison standard currently exists for soil vapor samples in New York State.

6.2 REMEDIAL INVESTIGATION SOIL SAMPLING RESULTS

Tables 2a through 2f summarize the analytical results from the soil sampling event. Figures 7A through 7E provide the soil boring locations as well as a summary of soil laboratory and field screening data from the sampling event.

6.2.1 Volatile Organic Compounds

One VOC, n-propylbenzene, was detected above the RRSCO (100 milligrams per kilogram [mg/kg]) at a maximum concentration of 160 mg/kg in HA-19 (14-16'). In addition, acetone, benzene, ethylbenzene, naphthalene, toluene, total xylenes, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, n-butylbenzene, and sec-butylbenzene exceeded UUSCOs of 0.05 mg/kg, 0.06 mg/kg, 1 mg/kg, 12 mg/kg, 0.7 mg/kg, 0.26 mg/kg, 3.6 mg/kg, 8.4 mg/kg, 12 mg/kg, and 11 mg/kg, respectively, but did not exceed RRSCOs. VOCs were compared to PGWSCOs for compounds detected in groundwater samples. VOCs including benzene, ethylbenzene, total xylenes, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and n-propylbenzene (detected in groundwater samples collected from MW-02 and MW-03) were found to exceed the PGWSCOs.

No other VOCs were detected in any soil samples above applicable standards.

6.2.2 Semi-Volatile Organic Compounds

Seven SVOCs, specifically PAHs, were detected above the RRSCOs in multiple soil samples with maximum concentrations in soil sample HA-03 (10-12'). These include benzo(a)anthracene (RRSCO of 1 mg/kg) at a maximum concentration of 20 mg/kg, benzo(a)pyrene (RRSCO of 1 mg/kg) at a maximum concentration of 15 mg/kg, benzo(b)fluoranthene (RRSCO of 1 mg/kg) at a maximum concentration of 16 mg/kg, benzo(k)fluoranthene (RRSCO of 3.9 mg/kg) at a maximum concentration of 4 mg/kg, chrysene (RRSCO of 3.9 mg/kg) at a maximum concentration of 18 mg/kg, dibenz(a,h)anthracene (RRSCO of 0.33 mg/kg) at a maximum concentration of 1.8 mg/kg, and indeno(1,2,3-cd)pyrene (RRSCO of 0.5 mg/kg) at a maximum concentration of 8.6 mg/kg. In addition, 3-Methylphenol/4-methylphenol exceeded the UUSCO of 0.33 mg/kg in three soil samples but did not exceed RRSCOs. SVOCs were compared to PGWSCOs for compounds detected in groundwater samples. SVOCs including benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene (detected in groundwater samples collected from MW-02 and MW-03) were found to exceed the PGWSCOs.

No other SVOCs were detected in any soil samples above applicable standards.

6.2.3 Pesticides

Pesticides were not detected in any soil sample above RRSCOs. However, 4,4-DDD', 4,4'-DDE, 4,4'-DDT, and dieldrin exceeded UUSCOs of 0.0033 mg/kg, 0.0033 mg/kg, 0.0033 mg/kg, and 0.005 mg/kg, respectively, but did not exceed RRSCOs.

No other pesticides were detected in any soil samples above applicable standards.

6.2.4 Metals

Five metals were detected above the RRSCOs in multiple soil samples collected. These include arsenic (RRSCO of 16 mg/kg) at a maximum concentration of 51 mg/kg in HA-02 (6-8'), barium (RRSCO of 400 mg/kg) at a maximum concentration of 676 mg/kg in HA-07 (10-12'), copper (RRSCO of 270 mg/kg) at a maximum concentration of 324 mg/kg in HA-18 (10-12'), lead (RRSCO of 400 mg/kg) at a maximum concentration of 5,320 mg/kg in HA-11 (10-12'), and mercury (RRSCO of 0.81 mg/kg) at a maximum concentration of 15.4 mg/kg in HA-19 (10-12'). In addition, nickel, selenium, silver, and zinc exceeded UUSCOs of 30 mg/kg, 3.9 mg/kg, 2 mg/kg, and 109 mg/kg, respectively, but did not exceed RRSCOs.

No other metals were detected in any soil samples above applicable standards.

6.2.5 Polychlorinated Biphenyls

PCBs were not detected in any soil sample above RRSCOs. However, total PCBs exceeded the UUSCO of 0.1 mg/kg but did not exceed RRSCOs.

No other PCBs were detected in any soil samples above applicable standards.

6.2.6 Emerging Contaminants

The emerging contaminant, 1,4-dioxane was not detected above laboratory detection limits in any soil samples collected at the Site.

PFAS were not detected in any soil samples above RRSCOs. However, PFOS and PFOA exceeded the UUSCOs of 0.88 nanograms per gram (ng/g) and 0.66 ng/g, respectively, but did not exceed RRSCOs. Total PFOS and PFOA ranged from non-detect to a maximum concentration of 4.17 ng/g in HA-20 (10-12').

6.2.7 Field Screening

Soils with elevated PID readings and petroleum-like odors or staining were observed in HA-03 from 10 to 17 ft bgs, HA-15 from 10 to 14 ft bgs, HA-18 from 14 to 18 ft bgs, HA-19 from 11 to 19 ft bgs HA-21 from 6-18 ft bgs, and HA-26 from 14 to 18 ft bgs. A maximum PID concentration of 964.1 ppm was collected at HA-19 at 14 ft bgs.

6.3 LEAD AND MERCURY DELINEATION SOIL SAMPLING RESULTS

Table 3 summarizes the analytical results of the delineation soil sampling. Figure 4 provides the delineation sample locations.

6.3.1 Metals

Lead was only detected above the RRSCO (400 mg/kg) in HA-24 delineation sample DB-02 (0-2') at a concentration of 584 mg/kg. Lead exceeded the UUSCO in samples from HA-24 and DB-01 through DB-03 with a maximum concentration of 397 mg/kg in HA-24 (4-6').

TCLP lead was not detected above the EPA Toxicity Characteristic (TCLP) Regulatory Level Criteria of 5 milligrams per Liter (mg/L) in any samples from HA-24 and associated delineation borings DB-01, DB-02, and DB-03. Concentrations of mercury exceeded the RRSCO (0.81 mg/kg) in samples from HA-25 and associated delineation borings DB-04, DB-05, and DB-06, and from HA-26 and associated delineation borings DB-07 and DB-09. Mercury was detected at a maximum concentration of 35.3 mg/kg in HA-26 delineation sample DB-09 (11-13'). Mercury exceeded the UUSCO in samples from HA-25, DB-04, DB-05, HA-26, and DB-07 with a maximum estimated concentration of 0.737 mg/kg. TCLP mercury was not detected above the EPA TCLP Regulatory Level Criteria of 0.2 mg/L in any samples from HA-25, HA-26, or delineation borings DB-04 through DB-06 and DB-07 and DB-09.

6.4 GROUNDWATER SAMPLING RESULTS

Tables 4a through 4f summarize the analytical results from the groundwater sampling event. Figure 8 provides the groundwater monitoring well locations as well as a summary of the groundwater data from the sampling event. Groundwater sample logs are provided in Appendix D. The following sections provide a summary of groundwater analytical results in exceedance of NYSDEC AWQS and guidance values (NYSDEC GVs) for emerging contaminants (latest update February 2023).

6.4.1 Volatile Organic Compounds

Thirteen VOCs were identified in up to three groundwater samples (MW-02, MW-03, and MW-07) at concentrations exceeding the AWQS. The VOCs, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene, were detected in one groundwater sample, MW-03, above the AWQS at concentrations of 33 µg/L and 13 µg/L, respectively. Benzene (170 µg/L), isopropylbenzene (140 µg/L), naphthalene (13 µg/L), sec-butylbenzene (22 µg/L), and MTBE (12 µg/L) were detected above the AWQS in MW-02, only. Cis-1,2-DCE was detected above the AWQS in one groundwater sample, MW-07, at a concentration of 5.3 µg/L. The VOC, 1,2,4,5-tetramethylbenzene (maximum concentration 63 µg/L in MW-02), ethylbenzene (maximum concentration 19 µg/L in MW-02), n-butylbenzene (maximum concentration 19 µg/L in MW-02), n-propylbenzene (maximum concentration 220 µg/L in MW-02), and p/m-xylene (maximum concentration 13 µg/L in MW-03) were each detected above the AWQS in two groundwater samples (MW-02 and MW-03).

No other VOCs were detected in any groundwater samples above the AWQS.

6.4.2 Semi-Volatile Organic Compounds

Phenol was detected at an estimated concentration in one groundwater sample, MW-02, above the AWQS at an estimated concentration of 1.5 µg/L. Six SVOCs, specifically PAHs, were detected in multiple groundwater samples above the AWQS at reportable or estimated concentrations including benzo(a)anthracene (maximum concentration of 0.14 µg/L in MW-03 and MW-05), benzo(a)pyrene (maximum concentration of 0.13 µg/L in MW-03), benzo(b)fluoranthene (maximum concentration of 0.16 µg/L in MW-05), benzo(k)fluoranthene (maximum concentration of 0.05 µg/L in MW-03 and MW-05), chrysene (maximum concentration of 0.13 µg/L in MW-3), and indeno(1,2,3-cd)pyrene (maximum concentration of 0.08 µg/L in MW-03 and MW-05).

No other VOCs were detected in any groundwater samples above the AWQS.

6.4.3 Organochlorine Pesticides

No pesticides were detected above laboratory detection limits in any groundwater sample.

6.4.4 Polychlorinated Biphenyls

No PCBs were detected above laboratory detection limits in any groundwater sample.

6.4.5 Total Metals

Three metals were detected in multiple groundwater samples all at maximum concentrations in MW-01 including total iron (maximum concentration of 11,200 µg/L), total manganese (maximum concentration of 1,092 µg/L), and total sodium (maximum concentration of 591,000 µg/L). These metals are naturally occurring and are not Site-specific contaminants of concern (not to be addressed by the remedy).

No other total metals were detected in any groundwater samples above the AWQS.

6.4.6 Dissolved Metals

Three dissolved metals were detected in multiple groundwater samples above the AWQS including dissolved iron (maximum concentration of 1,560 µg/L in MW-04), dissolved manganese (maximum concentration of 1,043 µg/L in MW-01), and dissolved sodium (maximum concentration of 559,000 µg/L in MW-01). These metals are naturally occurring and are not Site-specific contaminants of concern (not to be addressed by the remedy).

No other dissolved metals were detected in any groundwater samples above the AWQS.

6.4.7 Emerging Contaminants

Emerging contaminants PFOA/PFAS were compared to the February 2023 NYSDEC GV. PFOA was detected above the NYSDEC GV in eight of the nine groundwater samples at a maximum concentration of 67.5 ng/L in MW-03. PFOS was detected above the NYSDEC GV in each groundwater sample at a maximum concentration of 108 ng/L in MW-05. The concentration of total PFOS and PFOA compounds ranged from 23.5 ng/L in MW-07 to a maximum concentration of 149 ng/L in MW-05.

The emerging contaminant, 1,4-dioxane was detected in multiple groundwater samples above the NYSDEC GV at a maximum concentration of 1.23 µg/L in MW-08.

An on-Site source area for emerging contaminants was not identified at the site.

Figure 9 provides emerging contaminant data in groundwater.

6.5 SOIL VAPOR SAMPLING RESULTS

Table 5 provides a summary of the analytical results from the soil vapor sampling event. Figure 10 provides the soil vapor sampling locations as well as a summary of soil vapor data from the sampling event. The soil vapor purge log is provided in Appendix G and includes details on each soil vapor sample collected.

Total VOC concentrations in soil vapor samples ranged from 691 µg/m³ in VP-09 to 260,178 µg/m³ in VP-02. Total BTEX concentrations ranged from 23.8 µg/m³ in sample VP-10 to 708 µg/m³ in sample VP-02.

PCE was detected in nine of the 10 soil vapor samples above laboratory detection limits at a maximum concentration of 464 µg/m³ in VP-03. However, the sample collected from VP-02 required elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample, further described in the laboratory report narrative included in Appendix H. The detection limit for PCE was reported at 1,120 µg/m³.

No other chlorinated VOCs were detected above laboratory detection limits in any soil vapor sample collected on the Site. 1,1-dichloroethane was detected in one offsite soil vapor sample, VP-09, above laboratory method detection limits at a concentration of 0.967 µg/m³.

Multiple petroleum-related VOCs were detected at elevated concentrations in several soil vapor samples, all at maximum concentrations in soil vapor sample VP-02, including 2,2,4-trimethylpentane (maximum concentration 251,000 $\mu\text{g}/\text{m}^3$), cyclohexane (maximum concentration 3,130 $\mu\text{g}/\text{m}^3$), n-heptane (maximum concentration 2,020 $\mu\text{g}/\text{m}^3$), hexane (maximum concentration 3,320 $\mu\text{g}/\text{m}^3$), and toluene (maximum concentration 708 $\mu\text{g}/\text{m}^3$).

6.6 DATA VALIDATION

DUSRs were created to confirm the compliance of methods with the protocols described in the NYSDEC Analytical Services Protocol (ASP). DUSRs are provided in Appendix I. The completeness goal of greater than 90 percent was exceeded as per the approved QAPP.

6.7 DATA USE

Validated analytical data, supplied in ASP Category B Data Packages in Appendix H, were submitted to the NYSDEC EQUS database in an Electronic Data Deliverable package.

7. Conceptual Site Model

7.1 SITE CONTAMINANT SUMMARY

The following summarizes contaminants identified at the Site:

7.1.1 Site-Wide Contaminated Fill in Subsurface Soils

Subsurface soils are impacted with elevated concentrations of metals, including arsenic, barium, copper, lead, and mercury, and SVOCs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene at concentrations exceeding RRSCOs. Pesticides and PCBs were detected at concentrations exceeding UUSCOs. These findings are consistent with characteristics of contaminated fill found throughout the New York City area. Fill material varies in depth throughout the Site extending to depths as great as 22 ft bgs.

7.1.2 VOC Impacts to Groundwater

Several petroleum-related VOCs were detected above the AWQS in three of the nine groundwater samples collected at the Site. The greatest concentrations of petroleum-related VOCs were detected in MW-2. VOC impacts to groundwater are likely attributable to former gasoline service station operations at the Site.

7.1.3 Soil Vapor Impacts

Based on a review of analytical data collected during this RI, VOCs have partitioned from soil and/or groundwater into the vapor phase.

7.1.4 USTs in the Southern Portion of the Site

There are currently two USTs present in the southern portion of the Site. There are exceedances of SVOCs, specifically PAHs, petroleum-related VOCs, metals, PCBs, and pesticides in soil samples collected adjacent to this area (HA-03, HA-17, HA-19, HA-20, and HA-21). This area is identified as an Area of Concern (AOC).

7.2 POTENTIAL SOURCES

Based on the analytical results of the RI, the primary contaminants of concern for the Site are VOCs, specifically petroleum-related VOCs, SVOCs (specifically PAHs), and heavy metals in soil, and in some areas PCBs and pesticides; petroleum-related VOCs, SVOCs, and metals in groundwater; and VOCs in soil vapor. Based on the identified contaminants, the source of contamination in soil, groundwater, and soil vapor is likely the result of the historical retail petroleum operations at the Site, the former car wash operations at the Site, and the presence of fill material.

Contaminated fill material varies throughout the Site extending to depths as great as 22 ft bgs. The source of elevated metals in soil is likely attributed to fill material and former operations at the Site.

PCE was detected sitewide in soil vapor samples collected during the Remedial Investigation. Detections ranged from 204 $\mu\text{g}/\text{m}^3$ to 464 $\mu\text{g}/\text{m}^3$. PCE was detected in soil samples at low concentrations below the applicable UUSCO of 1.3 mg/kg but above the laboratory detection limits. CVOCs degrade over time into daughter products and due to the volatile nature of the compounds, they partition from soil and groundwater into soil vapor. This is typically indicated by elevated CVOC concentrations in soil vapor and low, but detected, concentrations in soil. PCE was detected in five boring locations in sample intervals ranging from 2-4 ft to 14-16 ft. Locations with observed PCE detections include HA-07, HA-09, HA-10, HA-11, and HA-12, which are located in the vicinity of the former car wash on the northern portion of the Site. Due to observance of PCE detections in soil extending down to just above the groundwater table, this indicates there is an onsite source and the former car wash operations are likely the source of CVOCs impacts.

Elevated petroleum-related VOCs were also detected in soil vapor at the Site, including BTEX, which are known contaminants of concern relating to auto related and gasoline filling station operations. Elevated BTEX concentrations were observed in soil vapor throughout the Site but with the highest combined concentrations in VP-02 (708 $\mu\text{g}/\text{m}^3$) which was installed downgradient from the UST field on the southern portion of the Site. In addition, 2,2,4-trimethylpentane, which is associated with the manufacturing, use, and disposal of products associated with the petroleum and gas industry, was observed at the highest concentration south of the UST field in VP-02 (251,000 $\mu\text{g}/\text{m}^3$). The petroleum-related VOCs observed throughout the Site are the result of the former auto-related and gasoline filling station operations with the source being the former gasoline filling facility and tank field.

Offsite soil vapor samples installed to the northwest of the Site and northeast of the Site detected PCE above the laboratory detection limits but below concentrations identified on the Site, further indicating an onsite source exists but there are potentially additional offsite impacts to soil vapor that are attributed to historical uses of neighboring properties such as welding, wrecking, auto repair/filling stations, and coal yards.

8. Human Health and Environmental Risk Evaluation

8.1 HUMAN HEALTH RISK EVALUATION

A qualitative human health exposure assessment (QHHEA) consists of characterizing the exposure setting (including the physical environment and potentially exposed human populations), identifying exposure pathways, and evaluating chemical fate and transport. An exposure pathway describes the means by which an individual may be exposed to contaminants originating from a site. An exposure pathway has the following five elements:

1. Receptor population;
2. Contaminant source;
3. Contaminant release and transport;
4. Point of exposure; and,
5. Route of exposure.

An exposure pathway is complete when all five elements of an exposure pathway are documented; a potential exposure pathway exists when any one or more of the five elements comprising an exposure pathway is not documented but could reasonably occur. An exposure pathway may be eliminated from further evaluation when any one of the five elements comprising an exposure pathway does not exist in the present and will not exist in the future.

8.1.1 Receptor Population

The receptor population includes the people who are or may be exposed to contaminants at a point of exposure. The identification of potential human receptors is based on the characteristics of the Site, the surrounding land uses, and the probable future land uses. The Site is currently vacant; therefore, receptors would only include construction/maintenance workers that may be employed to perform work on the property, and exposure routes would include direct contact activities and/or inhalation of soil vapor during ground intrusive activities (i.e., construction of the building's foundation and sub-grade cellar).

At this time, Site development plans are conceptual; however, it is anticipated that the project will consist of the development of a multi-story mixed-use commercial and residential building encompassing the entire Site footprint with a one-level cellar, which is consistent/compatible with surrounding property use and zoning. Exposed receptors under the future use scenario may comprise residents of the future building, indoor employees, outdoor employees (e.g., groundskeepers or maintenance staff), and construction workers who may be employed at or perform work on the property. Site visitors may also be considered receptors; however, their exposure would be similar to that of the indoor employees but at a lesser frequency and duration. In addition, residents or employees in offsite adjoining buildings have the potential to be exposed to vapors.

8.1.2 Contaminant Sources

The source of contamination is defined as either the source of contaminant release to the environment (such as a waste disposal area or point of discharge) or the impacted environmental medium (soil, air, water) at the point of exposure. Sections 6.0 and 7.0 discuss the Contaminants of Concern (COCs) present in the Site media at elevated concentrations. In general, these are metals, PCBs, pesticides, and SVOCs (including PAHs) in soil, SVOCs (including PAHs); VOCs and metals in groundwater; and petroleum-related VOCs and soil vapor.

8.1.3 Contaminant Release and Transport

Contaminant release and transport mechanisms carry contaminants from the source to points where people may be exposed and are specific to the type of contaminant and site use. For VOCs present in soil vapor, the potential exists for exposure through pathways associated with soil vapor intrusion. This would include the indoor vapor intrusion pathway (also referred to as “soil vapor intrusion”).

8.1.4 Exposure Points, Routes, and Mechanisms

The point of exposure is a location where actual or potential human contact with a contaminated medium may occur. Based on the exceedances of RRSCOs for metals, VOCs, and SVOCs, and exceedances of UUSCOs for PCBs and pesticides in soil, the exceedance of AWQS for metals and SVOCs, and VOCs above laboratory detection limits in soil vapor, the point of exposure is defined as the entire Site.

The route of exposure is the manner in which a contaminant actually enters or contacts the body (e.g., ingestion, inhalation, dermal absorption). Based on the types of receptors and points of exposure identified above, potential routes of exposure are listed below:

Current Use Scenario: The Site is currently vacant and covered with a building, a former filling station canopy, and a surrounding concrete slab. Exposure to contaminated surface soil and contaminated groundwater is possible only during subsurface investigations and other activities that breach the concrete slab. Release and transport mechanisms include contaminated surface soil transported as dust, contaminated groundwater flow, and volatilization of contaminants from soil and/or groundwater into vapor phase.

- Site Visitors and Public Adjacent to Site –inhalation, and incidental ingestion; and,
- Construction/Utility/Site Investigation Worker – skin contact, inhalation, and incidental ingestion.

Construction/Remediation Scenario: As part of the implementation of the remedial action, the building, filling station canopy, and surrounding concrete will be demolished removing the existing engineering controls for the Site. In the absence of engineering and institutional controls, there will be exposure pathways during construction/remediation specifically related to surface soil. Construction/Remedial activities include excavation and offsite disposal of soil, and potential localized dewatering of impacted groundwater to facilitate the construction of the foundation elements. Release and transport mechanisms include disturbed and exposed soil during excavation, contaminated soil transported as

dust, contaminated groundwater flow (localized dewatering), inhalation of dust from contaminated soil, and volatilization of contaminants from soil and/or groundwater into vapor phase.

- Site Visitors and Public Adjacent to Site –inhalation and incidental ingestion; and,
- Construction/Utility/Remediation Worker –skin contact, inhalation, and incidental ingestion.

Future Use Scenario: The anticipated remedial approach includes excavation of contaminated soil, dewatering of groundwater in accumulated excavations (if required), and installation of a composite cover system. In the absence of remedial removal of impacted material, remaining contaminant release and transport would include migration of contaminated groundwater and volatilization of contaminants from soil and/or groundwater into the vapor phase. Routes of future exposure include cracks in the foundation or slab, or emergency repairs to the foundation walls or slab. Persons at risk of exposure, via the indicated exposure routes, are noted below.

- Construction/Utility Worker – skin contact, inhalation, and incidental ingestion;
- Occupant/Employee/Visitor – inhalation; and,
- Public Adjacent to Site – inhalation.

Contaminant release and transport mechanisms carry contaminants from the source to points where people may be exposed and are specific to the type of contaminant and site use. For VOCs present in soil vapor, the potential exists for exposure through pathways associated with soil vapor intrusion. This would include the indoor vapor intrusion pathway (also referred to as “soil vapor intrusion”).

Concerning the indoor air pathway, under the current and future use scenario, soil vapor intrusion is a relevant transport mechanism. Soil vapor intrusion would entail soil vapor migrating from under the building slab and potentially impacting the indoor air above the slab. Concerning skin contact, inhalation, and incidental ingestion of volatile organics present in soil and groundwater, the potential exists for exposure to VOCs for construction workers involved in subsurface activities where volatiles are present at elevated concentrations.

8.2 EXPOSURE ASSESSMENT

Based on the above assessment, the potential exposure pathways for the current and future use conditions are listed below.

Current Use Scenario: Site contamination includes VOCs, SVOCs, pesticides, and metals in soil, groundwater, and soil vapor related to fill and the historical Site operations. Under current conditions, the likelihood of exposure to soil or groundwater is limited, as the Site is affixed with a perimeter fence secured with a lock. Site access is only granted to personnel associated with the planned development. Potable water for Kings County will continue to be sourced from reservoirs in the Catskill and Delaware Watersheds. All intrusive work on the Site is done in accordance with a Site-specific HASP and donning of PPE.

Construction/Remediation Scenario: The exposure element exists for all media during this phase. The overall risk will be minimized by the implementation of a Site-specific Construction Health and Safety

Plan, localized monitoring of organic vapors, community air monitoring on the Site perimeter for particulates and VOCs, vapor and dust suppression techniques, installation of a stabilized entrance, cleaning truck tires and undercarriages, and donning of appropriate PPE. Additionally, the Site will be under a RAWP which will include a Soil Materials Management Plan that will highlight measures for PPE, covering of stockpiles, housekeeping, suppression techniques (particulates and vapor), and measures to prevent offsite migration of contaminants. In addition, the Site will be secured and inaccessible to the public during remedial construction.

Future Use Scenario: Under the proposed future condition (after construction/remediation), residual contaminants may remain on-Site depending on the remedy achieved. The remaining contaminants would include those listed in the current conditions. If contaminants remain on-Site after construction/remediation, the route of exposure will be mitigated by proper installation of engineering controls, such as Site capping system foundation, implementation of institutional controls, such as land use and groundwater use restrictions, and implementation of a Site Management Plan (SMP) to manage referenced controls.

8.3 FISH AND WILDLIFE IMPACT ANALYSIS

NYSDEC DER-10 requires an on-Site and offsite Fish and Wildlife Resource Impact Analysis (FWRIA) if the stipulated criteria are met. The Site, which was developed in the 1920s and operated as a gasoline service station, auto rental, and car wash from the 1970s until it became vacant in 2022, is located in the Gowanus neighborhood of Brooklyn, New York. The Site provides little or no wildlife habitat or food value and/or access to the detected subsurface contamination. No natural waterways are present on or adjacent to the Site. The proposed future use of the Site is for residential purposes. As such, no unacceptable ecological risks are expected under the current and future use scenarios.

9. Conclusions and Recommendations

9.1 CONCLUSIONS

Based on the results of Site investigations, the following conclusions have been identified:

- Subsurface soils are impacted with elevated concentrations of metals, including arsenic, barium, copper, lead, and mercury, and SVOCs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene at concentrations exceeding RRSCOs. Pesticides and PCBs were detected at concentrations exceeding UUSCOs. These findings are consistent with characteristics of contaminated fill found throughout the New York City area. Fill material varies in depth throughout the Site extending to depths as great as 22 ft bgs.
- VOCs including benzene, ethylbenzene, total xylenes, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and n-propylbenzene (detected in groundwater samples collected from MW-02 and MW-03) were found to exceed the PGWSCOs in soil samples collected from borings HA-02, HA-03, and HA-19.
- Several petroleum-related VOCs were detected above the AWQS in three of the nine groundwater samples collected at the Site. The greatest concentrations of petroleum-related VOCs were detected in MW-2. VOC impacts to groundwater are likely attributable to former gasoline service station operations at the Site.
- Based on a review of analytical data collected during this RI, VOCs have partitioned from soil and/or groundwater into the vapor phase. There are currently two USTs present in the southern portion of the Site. There are exceedances of SVOCs, specifically PAHs, petroleum-related VOCs, metals, and pesticides in soil samples collected adjacent to this area (HA-19, HA-20, and HA-21).

9.2 RECOMMENDATIONS

Based on the results of the RI, remedial action will be necessary to proceed with the anticipated redevelopment plan.

To address the AOCs, Haley & Aldrich is evaluating utilization of a combination of remedial techniques. Applicable strategies and technologies may include, but are not limited to, source removal, and installation of engineering controls which will be detailed in a RAWP.

References

1. ASTM Phase I Environmental Site Assessment, 169 Third Avenue, Brooklyn, New York. Prepared by GEI Consultants, prepared for The Macchia Group, Inc., September 2021.
2. Brownfield Cleanup Program Application. 556 Baltic Street, Brooklyn, New York. Prepared by Haley & Aldrich of New York on behalf of 159 Third Realty LLC, 159 Third Residence LLC and Baltic Residence LLC, prepared for the New York State Department of Environmental Conservation. Submitted July 2022.
3. Investigation Summary Report, 169 Third Avenue, Brooklyn, New York. Prepared by Impact Environmental, prepared for ASTI Holding Corp, dated 28 November 2006.
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5. New York State Department of Environmental Conservation, Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), November 2022.
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7. New York State Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) dated June 1998.
8. NYCOER Remedial Investigation Report (151-169 Third Avenue), March 2022. Prepared by Haley & Aldrich.
9. Program Policy DER-10, "Technical Guidance for Site Investigation and Remediation," New York State Department of Environmental Conservation, May 2010.
10. Quarterly Update Report prepared by Berninger Environmental, dated 31 March 2019.
11. Remedial Action Plan 169 Third Avenue, Brooklyn, New York. Prepared by Impact Environmental, prepared for ASTI Holding Corp, dated 21 April 2007.
12. United States Environmental Protection Agency, Low Flow Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells, EQASOP-GW 001, September 19, 2017.
13. Update to Investigation Summary Report, 169 Third Avenue, Brooklyn, New York. Prepared by Impact Environmental, prepared for ASTI Holding Corp, dated 21 February 2007.

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TABLES

TABLE 1
SAMPLE AND ANALYSIS PLAN
556 BALTIC STREET
BROOKLYN, NEW YORK

Boring Number	Sample Depth	Target Compound List VOCs (8260B)	Target Compound List SVOCs (8270C)	Total Analyte List Metals (6010)	PCBs (8082)	Pesticides (8081B)	PFAS (1633)	1,4-Dioxane (8270 SIM)	VOCs (TO-15)	TAL and TCLP Lead	TAL and TCLP Mercury
SOIL											
HA-01	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-02	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-03	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-04	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-05	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-06	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-07	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-08	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-09	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-10	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-11	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-12	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-13	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			

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HA-14	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-15	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-16	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-17	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-18	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-19	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
	20-22'	X	X	X	X	X	X	X			
HA-20	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
HA-21	2-4'	X	X	X	X	X	X	X			
	6-8'	X	X	X	X	X	X	X			
	10-12'	X	X	X	X	X	X	X			
	14-16'	X	X	X	X	X	X	X			
	20-22'	X	X	X	X	X	X	X			
HA-24	0-2'									X	
	2-4'									X	
	4-6'									X	
HA-25	10-12'										X
	12-14'										X
	14-16'										X
HA-26	11-13'										X
	13-15'										X
	15-17'										X

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DB-01 through DB-03	0-2'									X	
	2-4'									X	
	4-6'									X	
DB-04 through DB-06	10-12'										X
	12-14'										X
	14-16'										X
DB-07 through DB-09	11-13'										X
	13-15'										X
	15-17'										X
Field Blank 02012023	-	X	X	X	X	X	X	X			
Field Blank 02022023	-	X	X	X	X	X	X	X			
Field Blank 02082023	-	X	X	X	X	X	X	X			
Field Blank 02092023	-	X	X	X	X	X	X	X			
Field Blank_1_02102023	-	X	X	X	X	X	X	X			
Field Blank_2_02102024	-	X	X	X	X	X	X	X			
Trip Blank (2/1/2023)	-	X									
Trip Blank (2/2/2023)	-	X									
Trip Blank (2/8/2023)	-	X									
Trip Blank (2/9/2023)	-	X									
Trip Blank (2/10/2023)	-	X									
HA-05 (6-8') MS HA-05 (6-8') MSD	HA-05 (6-8')	X	X	X	X	X	X	X			
HA-09 (2-4') MS HA-09 (2-4') MSD	HA-09 (2-4')	X	X	X	X	X	X	X			
HA-26 (13-15') MD HA-26 (13-15') MSD	HA-26 (13-15')	X	X	X	X	X	X	X			
HA-26 (15-17') MS HA- 26 (15-17') MSD	HA-26 (15-17')	X	X	X	X	X	X	X			
HA-13 (2-4') MS HA-13 (2-4') MSD	HA-13 (2-4')	X	X	X	X	X	X	X			
DUP_1_02022023	Parent Sample HA-04 (6-8')	X	X	X	X	X	X	X			
DUP_1_02082023	Parent Sample HA-19 (10-12')	X	X	X	X	X	X	X			
DUP-1_02102023	Parent Sample HA-26 (11-13')	X	X	X	X	X	X	X			
DUP-2_02102023	Parent Sample HA-26 (13-15')	X	X	X	X	X	X	X			
DUP_1_02132023	Parent Sample HA-18 (10-12')	X	X	X	X	X	X	X			

TABLE 1
SAMPLE AND ANALYSIS PLAN
556 BALTIC STREET
BROOKLYN, NEW YORK

Boring Number	Sample Depth	Target Compound List VOCs (8260B)	Target Compound List SVOCs (8270C)	Total Analyte List Metals (6010)	PCBs (8082)	Pesticides (8081B)	PFAS (1633)	1,4-Dioxane (8270 SIM)	VOCs (TO-15)	TAL and TCLP Lead	TAL and TCLP Mercury
GROUNDWATER											
MW-01	-	X	X	X	X	X	X	X			
MW-02	-	X	X	X	X	X	X	X			
MW-03	-	X	X	X	X	X	X	X			
MW-04	-	X	X	X	X	X	X	X			
MW-05	-	X	X	X	X	X	X	X			
MW-06	-	X	X	X	X	X	X	X			
MW-07	-	X	X	X	X	X	X	X			
MW-08	-	X	X	X	X	X	X	X			
MW-09	-	X	X	X	X	X	X	X			
FIELD BLANK 02102023	-	X	X	X	X	X	X	X			
Trip Blank (2/9/2023)	-	X									
Trip Blank (2/10/2023)	-	X									
Trip Blank (2/16/2023)	-	X									
MW-06 MS MW-06 MSD	MW-06	X	X	X	X	X	X	X			
DUP-1_02092023	Parent Sample MW-06	X	X	X	X	X	X	X			
SOIL VAPOR											
VP-01	10-12'								X	X	X
VP-02	10-12'								X	X	X
VP-03	10-12'								X	X	X
VP-04	10-12'								X	X	X
VP-05	10-12'								X	X	X
VP-06	10-12'								X	X	X
VP-07	10-12'								X	X	X
VP-08	10-12'								X	X	X

Notes:
VOCs - Volatile Organic Compounds
SVOCs - Semi-volatile Organic Compounds
PCBs - Polychlorinated biphenyls
PFAS - Per- and Polyfluoroalkyl Substances

QAQC samples include:
MS/MSD - 1 for every 20 samples
Field Duplicate - 1 for every 20 samples
Trip Blanks - 1 per cooler of samples to be analyzed for VOCs
Field Blanks - 1 for every 20 samples

Additional samples will be collected from any interval exhibiting elevated PID readings or where visual and olfactory evidence of impacts are observed.
Delineation borings (DB) at 5-foot step-outs from the central boring location will be conducted based on the analytical results of the central boring location HA-24 or HA-25

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-01	HA-01	HA-01	HA-01	HA-02	HA-02
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-01 (2-4)	HA-01 (6-8)	HA-01 (10-12)	HA-01 (14-16)	HA-02 (2-4)	HA-02 (6-8)
				02/08/2023	02/08/2023	02/08/2023	02/08/2023	02/08/2023	02/08/2023
				L2306883-01 L2310952-27	L2306883-02 L2310952-28	L2306883-03 L2310952-29	L2306883-04	L2306883-05 L2310952-30	L2306883-06 L2310952-31
				2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)
Volatile Organic Compounds (mg/kg)									
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.0008)	ND (0.00045)	ND (0.0005)	ND (0.00051)	ND (0.00065)	ND (0.00047)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.0008)	ND (0.00045)	ND (0.0005)	ND (0.00051)	ND (0.00065)	ND (0.00047)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.0008)	ND (0.00045)	ND (0.0005)	ND (0.00051)	ND (0.00065)	ND (0.00047)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
1,1-Dichloroethane	0.27	26	0.27	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
1,1-Dichloroethene	0.33	100	0.33	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
1,1-Dichloropropene	NA	NA	NA	ND (0.0008)	ND (0.00045)	ND (0.0005)	ND (0.00051)	ND (0.00065)	ND (0.00047)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
1,2,4-Trimethylbenzene	3.6	52	3.6	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0048)	ND (0.0027)	ND (0.003)	ND (0.0031)	ND (0.0039)	ND (0.0028)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
1,2-Dichloropropane	NA	NA	NA	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
1,3,5-Trimethylbenzene	8.4	52	8.4	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
1,3-Dichloropropane	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
1,3-Dichloropropene	NA	NA	NA	ND (0.0008)	ND (0.00045)	ND (0.0005)	ND (0.00051)	ND (0.00065)	ND (0.00047)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
1,4-Diethylbenzene	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
1,4-Dioxane	0.1	13	0.1	ND (0.13)	ND (0.072)	ND (0.081)	ND (0.082)	ND (0.1)	ND (0.075)
2,2-Dichloropropane	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	ND (0.016)	ND (0.009)	ND (0.01)	0.0031 J	ND (0.013)	0.0032 J
2-Chlorotoluene	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.016)	ND (0.009)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.0094)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	ND (0.0016)	ND (0.0009)	ND (0.001)	0.00015 J	ND (0.0013)	ND (0.00094)
4-Chlorotoluene	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.016)	ND (0.009)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.0094)
Acetone	0.05	100	0.05	0.066	0.024	0.04	0.033	0.017	0.029
Acrylonitrile	NA	NA	NA	ND (0.0064)	ND (0.0036)	ND (0.004)	ND (0.0041)	ND (0.0052)	ND (0.0038)
Benzene	0.06	4.8	0.06	0.0014	ND (0.00045)	ND (0.0005)	ND (0.00051)	0.00058 J	0.00034 J
Bromobenzene	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
Bromodichloromethane	NA	NA	NA	ND (0.0008)	ND (0.00045)	ND (0.0005)	ND (0.00051)	ND (0.00065)	ND (0.00047)
Bromoform	NA	NA	NA	ND (0.0064)	ND (0.0036)	ND (0.004)	ND (0.0041)	ND (0.0052)	ND (0.0038)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
Carbon disulfide	NA	NA	NA	ND (0.016)	ND (0.009)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.0094)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
Chlorobenzene	1.1	100	1.1	ND (0.0008)	ND (0.00045)	ND (0.0005)	ND (0.00051)	ND (0.00065)	ND (0.00047)
Chlorobromomethane	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
Chloroethane	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
Chloroform (Trichloromethane)	0.37	49	0.37	ND (0.0024)	ND (0.0014)	ND (0.0015)	ND (0.0015)	ND (0.0019)	ND (0.0014)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0064)	ND (0.0036)	ND (0.004)	ND (0.0041)	ND (0.0052)	ND (0.0038)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.0008)	ND (0.00045)	ND (0.0005)	ND (0.00051)	ND (0.00065)	ND (0.00047)
Cymene (p-Isopropyltoluene)	NA	NA	NA	0.02	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
Dibromochloromethane	NA	NA	NA	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
Dibromomethane	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.016)	ND (0.009)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.0094)
Ethyl Ether	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
Ethylbenzene	1	41	1	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
Hexachlorobutadiene	NA	NA	NA	ND (0.0064)	ND (0.0036)	ND (0.004)	ND (0.0041)	ND (0.0052)	ND (0.0038)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
m,p-Xylenes	NA	NA	NA	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (0.008)	ND (0.0045)	ND (0.005)	ND (0.0051)	ND (0.0065)	ND (0.0047)
Naphthalene	12	100	12	ND (0.0064)	ND (0.0036)	ND (0.004)	ND (0.0041)	ND (0.0052)	ND (0.0038)
n-Butylbenzene	12	100	12	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
n-Propylbenzene	3.9	100	3.9	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
o-Xylene	NA	NA	NA	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
Styrene	NA	NA	NA	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
tert-Butylbenzene	5.9	100	5.9	ND (0.0032)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0019)
Tetrachloroethene	1.3	19	1.3	ND (0.0008)	ND (0.00045)	ND (0.0005)	ND (0.00051)	ND (0.00065)	ND (0.00047)
Toluene	0.7	100	0.7	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0024)	ND (0.0014)	ND (0.0015)	ND (0.0015)	ND (0.0019)	ND (0.0014)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.008)	ND (0.0045)	ND (0.005)	ND (0.0051)	ND (0.0065)	ND (0.0047)
Trichloroethene	0.47	21	0.47	ND (0.0008)	ND (0.00045)	ND (0.0005)	ND (0.00051)	ND (0.00065)	ND (0.00047)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0064)	ND (0.0036)	ND (0.004)	ND (0.0041)	ND (0.0052)	ND (0.0038)
Vinyl acetate	NA	NA	NA	ND (0.016)	ND (0.009)	ND (0.01)	ND (0.01)	ND (0.013)	ND (0.0094)
Vinyl chloride	0.02	0.9	0.02	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)
Xylene (Total)	1.6	100	0.26	ND (0.0016)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00094)

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater (PGW) SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-02	HA-02	HA-03	HA-03	HA-03	HA-03
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-02 (10-12)	HA-02 (14-16)	HA-03 (2-4)	HA-03 (6-8)	HA-03 (10-12)	HA-03 (14-16)
				02/08/2023	02/08/2023	02/10/2023	02/10/2023	02/10/2023	02/10/2023
				L2306883-07	L2306883-08 L2310952-32	L2307511-01	L2307511-02 L2310952-22	L2307511-03 L2310952-23	L2307511-04
				10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)
Volatile Organic Compounds (mg/kg)									
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.0009)	ND (0.043)	ND (0.00056)	ND (0.00053)	ND (0.028)	ND (0.024)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.0009)	ND (0.043)	ND (0.00056)	ND (0.00053)	ND (0.028)	ND (0.024)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.0009)	ND (0.043)	ND (0.00056)	ND (0.00053)	ND (0.028)	ND (0.024)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.0018)	ND (0.086)	ND (0.0011)	ND (0.001)	ND (0.055)	ND (0.048)
1,1-Dichloroethane	0.27	26	0.27	ND (0.0018)	ND (0.086)	ND (0.0011)	ND (0.001)	ND (0.055)	ND (0.048)
1,1-Dichloroethene	0.33	100	0.33	ND (0.0018)	ND (0.086)	ND (0.0011)	ND (0.001)	ND (0.055)	ND (0.048)
1,1-Dichloropropene	NA	NA	NA	ND (0.0009)	ND (0.043)	ND (0.00056)	ND (0.00053)	ND (0.028)	ND (0.024)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	0.0083	17	ND (0.0022)	0.0016 J	5 J+	3.4
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0058	0.62	0.00075 J	0.00049 J	0.42 J+	30
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0054)	ND (0.26)	ND (0.0034)	ND (0.0032)	ND (0.16)	ND (0.14)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.0018)	ND (0.086)	ND (0.0011)	ND (0.001)	ND (0.055)	ND (0.048)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
1,2-Dichloropropane	0.02	3.1	0.02	ND (0.0018)	ND (0.086)	ND (0.0011)	ND (0.001)	ND (0.055)	ND (0.048)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.0018)	ND (0.086)	ND (0.0011)	ND (0.001)	ND (0.055)	ND (0.048)
1,2-Dichloropropane	NA	NA	NA	ND (0.0018)	ND (0.086)	ND (0.0011)	ND (0.001)	ND (0.055)	ND (0.048)
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0048	0.17	0.00069 J	0.00025 J	0.12 J+	9.1
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
1,3-Dichloropropane	NA	NA	NA	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
1,3-Dichloropropene	NA	NA	NA	ND (0.0009)	ND (0.043)	ND (0.00056)	ND (0.00053)	ND (0.028)	ND (0.024)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
1,4-Diethylbenzene	NA	NA	NA	0.0075	6.2	ND (0.0022)	ND (0.0021)	2.4	ND (0.095)
1,4-Dioxane	0.1	13	0.1	ND (0.14)	ND (6.9)	ND (0.089)	ND (0.084)	ND (4.4)	ND (3.8)
2,2-Dichloropropane	NA	NA	NA	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	0.0055 J	ND (0.86)	ND (0.011)	ND (0.01)	ND (0.55)	ND (0.48)
2-Chlorotoluene	NA	NA	NA	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.018)	ND (0.86)	ND (0.011)	ND (0.01)	ND (0.55)	ND (0.48)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	0.022	4.3	ND (0.0011)	ND (0.001)	1.1 J+	0.65
4-Chlorotoluene	NA	NA	NA	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	0.0057	0.87	ND (0.0022)	ND (0.0021)	0.39 J+	19
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.018)	ND (0.86)	ND (0.011)	ND (0.01)	ND (0.55)	ND (0.48)
Acetone	0.05	100	0.05	0.045	ND (0.86)	ND (0.011)	0.02 J+	ND (0.55)	ND (0.48)
Acrylonitrile	NA	NA	NA	ND (0.0072)	ND (0.34)	ND (0.0045)	ND (0.0042)	ND (0.22)	ND (0.19)
Benzene	0.06	4.8	0.06	0.02	3.9	ND (0.00056)	0.00018 J	0.08	0.037
Bromobenzene	NA	NA	NA	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
Bromodichloromethane	NA	NA	NA	ND (0.0009)	ND (0.043)	ND (0.00056)	ND (0.00053)	ND (0.028)	ND (0.024)
Bromoform	NA	NA	NA	ND (0.0072)	ND (0.34)	ND (0.0045)	ND (0.0042)	ND (0.22)	ND (0.19)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
Carbon disulfide	NA	NA	NA	ND (0.018)	ND (0.86)	ND (0.011)	ND (0.01)	ND (0.55)	ND (0.48)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.0018)	ND (0.086)	ND (0.0011)	ND (0.001)	ND (0.055)	ND (0.048)
Chlorobenzene	1.1	100	1.1	ND (0.0009)	ND (0.043)	ND (0.00056)	ND (0.00053)	ND (0.028)	ND (0.024)
Chlorobromomethane	NA	NA	NA	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
Chloroethane	NA	NA	NA	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
Chloroform (Trichloromethane)	0.37	49	0.37	ND (0.0027)	ND (0.13)	ND (0.0017)	ND (0.0016)	ND (0.083)	ND (0.072)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0072)	ND (0.34)	ND (0.0045)	ND (0.0042)	ND (0.22)	ND (0.19)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.0018)	ND (0.086)	ND (0.0011)	ND (0.001)	ND (0.055)	ND (0.048)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.0009)	ND (0.043)	ND (0.00056)	ND (0.00053)	ND (0.028)	ND (0.024)
Cymene (p-Isopropyltoluene)	NA	NA	NA	0.0018	0.1	ND (0.0011)	ND (0.001)	0.056 J+	0.33
Dibromochloromethane	NA	NA	NA	ND (0.0018)	ND (0.086)	ND (0.0011)	ND (0.001)	ND (0.055)	ND (0.048)
Dibromomethane	NA	NA	NA	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.018)	ND (0.86)	ND (0.011)	ND (0.01)	ND (0.55)	ND (0.48)
Ethyl Ether	NA	NA	NA	ND (0.0036)	ND (0.17)	ND (0.0022)	ND (0.0021)	ND (0.11)	ND (0.095)
Ethylbenzene	1	41	1	0.0037	3.8	ND (0.0011)	ND (0.001)	0.22	10
Hexachlorobutadiene	NA	NA	NA	ND (0.0072)	ND (0.34)	ND (0.0045)	ND (0.0042)	ND (0.22)	ND (0.19)
Isopropylbenzene (Cumene)	NA	NA	NA	0.06	11	ND (0.0011)	ND (0.001)	0.3 J+	1.8
m,p-Xylenes	NA	NA	NA	0.0099	2.3	0.00087 J	0.0012 J	0.66	10
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	0.009	0.026 J	0.00041 J	0.00048 J	0.021 J	ND (0.095)
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (0.009)	ND (0.43)	ND (0.0056)	ND (0.0053)	ND (0.28)	ND (0.24)
Naphthalene	12	100	12	ND (0.0072)	13	ND (0.0045)	ND (0.0042)	1.1 J+	5.1
n-Butylbenzene	12	100	12	0.019	9.9	ND (0.0011)	ND (0.001)	1.2 J+	1.8
n-Propylbenzene	3.9	100	3.9	0.054	27	ND (0.0011)	ND (0.001)	1.8 J+	7.2
o-Xylene	NA	NA	NA	0.0038	0.32	0.00093 J	0.00088 J	0.16	1.2
Styrene	NA	NA	NA	ND (0.0018)	ND (0.086)	ND (0.0011)	ND (0.001)	ND (0.055)	ND (0.048)
tert-Butylbenzene	5.9	100	5.9	0.0016 J	0.12 J	ND (0.0022)	ND (0.0021)	0.028 J+	ND (0.095)
Tetrachloroethene	1.3	19	1.3	ND (0.0009)	ND (0.043)	ND (0.00056)	ND (0.00053)	ND (0.028)	ND (0.024)
Toluene	0.7	100	0.7	0.0027	1.1	ND (0.0011)	ND (0.001)	0.28	0.19
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0027)	ND (0.13)	ND (0.0017)	ND (0.0016)	ND (0.083)	ND (0.072)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.0018)	ND (0.086)	ND (0.0011)	ND (0.001)	ND (0.055)	ND (0.048)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.009)	ND (0.43)	ND (0.0056)	ND (0.0053)	ND (0.28)	ND (0.24)
Trichloroethene	0.47	21	0.47	ND (0.0009)	ND (0.043)	ND (0.00056)	ND (0.00053)	ND (0.028)	ND (0.024)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0072)	ND (0.34)	ND (0.0045)	ND (0.0042)	ND (0.22)	ND (0.19)
Vinyl acetate	NA	NA	NA	ND (0.018)	ND (0.86)	ND (0.011)	ND (0.01)	ND (0.55)	ND (0.48)
Vinyl chloride	0.02	0.9	0.02	ND (0.0018)	ND (0.086)	ND (0.0011)	ND (0.001)	ND (0.055)	ND (0.048)
Xylene (Total)	1.6	100	0.26	0.014	2.6	0.0018 J	0.0021 J	0.82	11

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater (PGW) SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-04	HA-04	HA-04	HA-04	HA-04	HA-05
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-04 (2-4)	HA-04 (6-8)	DUP_1_02022023	HA-04 (10-12)	HA-04 (14-16)	HA-05 (2-4)
				02/02/2023	02/02/2023	02/02/2023	02/02/2023	02/02/2023	02/02/2023
				L2305934-01	L2305934-02	L2305934-09	L2305934-03	L2305934-04	L2305934-05
				2 - 2 (ft)	6 - 8 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)
Volatile Organic Compounds (mg/kg)									
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00058)	ND (0.0006)	ND (0.0008)	ND (0.00068)	ND (0.00089)	ND (0.0005)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00058)	ND (0.0006)	ND (0.0008)	ND (0.00068)	ND (0.00089)	ND (0.0005)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00058)	ND (0.0006)	ND (0.0008)	ND (0.00068)	ND (0.00089)	ND (0.0005)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
1,1-Dichloroethane	0.27	26	0.27	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
1,1-Dichloroethene	0.33	100	0.33	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
1,1-Dichloropropene	NA	NA	NA	ND (0.00058)	ND (0.0006)	ND (0.0008)	ND (0.00068)	ND (0.00089)	ND (0.0005)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
1,2,4-Trimethylbenzene	3.6	52	3.6	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0034)	ND (0.0036)	ND (0.0048)	ND (0.0041)	ND (0.0054)	ND (0.003)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
1,2-Dichloropropane	NA	NA	NA	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
1,3,5-Trimethylbenzene	8.4	52	8.4	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
1,3-Dichloropropane	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
1,3-Dichloropropene	NA	NA	NA	ND (0.00058)	ND (0.0006)	ND (0.0008)	ND (0.00068)	ND (0.00089)	ND (0.0005)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
1,4-Diethylbenzene	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
1,4-Dioxane	0.1	13	0.1	ND (0.092)	ND (0.096)	ND (0.13)	ND (0.11)	ND (0.14)	ND (0.08)
2,2-Dichloropropane	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	ND (0.012)	ND (0.012)	ND (0.016)	ND (0.014)	0.013 J	ND (0.01)
2-Chlorotoluene	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.012)	ND (0.012)	ND (0.016)	ND (0.014)	ND (0.018)	ND (0.01)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
4-Chlorotoluene	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.012)	ND (0.012)	ND (0.016)	ND (0.014)	ND (0.018)	ND (0.01)
Acetone	0.05	100	0.05	ND (0.012)	0.014 J	0.052 J	0.048	0.081	0.0063 J
Acrylonitrile	NA	NA	NA	ND (0.0046)	ND (0.0048)	ND (0.0064)	ND (0.0055)	ND (0.0071)	ND (0.004)
Benzene	0.06	4.8	0.06	ND (0.00058)	0.00084 J	0.002 J	ND (0.00068)	ND (0.00089)	ND (0.0005)
Bromobenzene	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
Bromodichloromethane	NA	NA	NA	ND (0.00058)	ND (0.0006)	ND (0.0008)	ND (0.00068)	ND (0.00089)	ND (0.0005)
Bromoform	NA	NA	NA	ND (0.0046)	ND (0.0048)	ND (0.0064)	ND (0.0055)	ND (0.0071)	ND (0.004)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
Carbon disulfide	NA	NA	NA	ND (0.012)	ND (0.012)	ND (0.016)	ND (0.014)	ND (0.018)	ND (0.01)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
Chlorobenzene	1.1	100	1.1	ND (0.00058)	ND (0.0006)	ND (0.0008)	ND (0.00068)	ND (0.00089)	ND (0.0005)
Chlorobromomethane	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
Chloroethane	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
Chloroform (Trichloromethane)	0.37	49	0.37	ND (0.0017)	ND (0.0018)	ND (0.0024)	ND (0.002)	ND (0.0027)	ND (0.0015)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0046)	ND (0.0048)	ND (0.0064)	ND (0.0055)	ND (0.0071)	ND (0.004)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00058)	ND (0.0006)	ND (0.0008)	ND (0.00068)	ND (0.00089)	ND (0.0005)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
Dibromochloromethane	NA	NA	NA	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
Dibromomethane	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.012)	ND (0.012)	ND (0.016)	ND (0.014)	ND (0.018)	ND (0.01)
Ethyl Ether	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
Ethylbenzene	1	41	1	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
Hexachlorobutadiene	NA	NA	NA	ND (0.0046)	ND (0.0048)	ND (0.0064)	ND (0.0055)	ND (0.0071)	ND (0.004)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
m,p-Xylenes	NA	NA	NA	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	ND (0.0023)	ND (0.0024)	0.00088 J	0.0025 J	0.00087 J	ND (0.002)
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (0.0058)	ND (0.006)	ND (0.008)	ND (0.0068)	ND (0.0089)	ND (0.005)
Naphthalene	12	100	12	ND (0.0046)	ND (0.0048)	ND (0.0064)	ND (0.0055)	0.0021 J	ND (0.004)
n-Butylbenzene	12	100	12	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
n-Propylbenzene	3.9	100	3.9	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
o-Xylene	NA	NA	NA	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
Styrene	NA	NA	NA	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
tert-Butylbenzene	5.9	100	5.9	ND (0.0023)	ND (0.0024)	ND (0.0032)	ND (0.0027)	ND (0.0036)	ND (0.002)
Tetrachloroethene	1.3	19	1.3	ND (0.00058)	ND (0.0006)	ND (0.0008)	ND (0.00068)	ND (0.00089)	ND (0.0005)
Toluene	0.7	100	0.7	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0017)	ND (0.0018)	ND (0.0024)	ND (0.002)	ND (0.0027)	ND (0.0015)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0058)	ND (0.006)	ND (0.008)	ND (0.0068)	ND (0.0089)	ND (0.005)
Trichloroethene	0.47	21	0.47	ND (0.00058)	ND (0.0006)	ND (0.0008)	ND (0.00068)	ND (0.00089)	ND (0.0005)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0046)	ND (0.0048)	ND (0.0064)	ND (0.0055)	ND (0.0071)	ND (0.004)
Vinyl acetate	NA	NA	NA	ND (0.012)	ND (0.012)	ND (0.016)	ND (0.014)	ND (0.018)	ND (0.01)
Vinyl chloride	0.02	0.9	0.02	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)
Xylene (Total)	1.6	100	0.26	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0018)	ND (0.001)

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater (PGW) SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-05 HA-05 (6-8) 02/02/2023 L2305934-06 6 - 8 (ft)	HA-05 HA-05 (10-12) 02/02/2023 L2305934-07 10 - 12 (ft)	HA-05 HA-05 (14-16) 02/02/2023 L2305934-08 14 - 16 (ft)	HA-06 HA-06 (2-4) 02/01/2023 L2305570-01 2 - 4 (ft)	HA-06 HA-06 (6-8) 02/01/2023 L2305570-02 6 - 8 (ft)	HA-06 HA-06 (10-12) 02/01/2023 L2305570-03 10 - 12 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
Volatile Organic Compounds (mg/kg)									
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00042) J	ND (0.00058)	ND (0.00045)	ND (0.00039)	ND (0.0004)	ND (0.0005)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00042)	ND (0.00058)	ND (0.00045)	ND (0.00039)	ND (0.0004)	ND (0.0005)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00042)	ND (0.00058)	ND (0.00045)	ND (0.00039)	ND (0.0004)	ND (0.0005)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.00084)	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
1,1-Dichloroethane	0.27	26	0.27	ND (0.00084)	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
1,1-Dichloroethene	0.33	100	0.33	ND (0.00084)	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
1,1-Dichloropropene	NA	NA	NA	ND (0.00042)	ND (0.00058)	ND (0.00045)	ND (0.00039)	ND (0.0004)	ND (0.0005)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0017) J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0017) J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0017) J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	0.00037 J
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0017) J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
1,2,4-Trimethylbenzene	3.6	52	3.6	0.00042 J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	0.0017 J
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0025) J	ND (0.0035)	ND (0.0027)	ND (0.0023)	ND (0.0024)	ND (0.003)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.00084)	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0017) J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.00084)	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.00084)	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
1,2-Dichloropropane	NA	NA	NA	ND (0.00084)	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
1,3,5-Trimethylbenzene	8.4	52	8.4	ND (0.0017) J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	0.0008 J
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.0017) J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
1,3-Dichloropropane	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
1,3-Dichloropropene	NA	NA	NA	ND (0.00042)	ND (0.00058)	ND (0.00045)	ND (0.00039)	ND (0.0004)	ND (0.0005)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.0017) J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
1,4-Diethylbenzene	NA	NA	NA	ND (0.0017) J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
1,4-Dioxane	0.1	13	0.1	ND (0.067)	ND (0.093)	ND (0.071)	ND (0.062)	ND (0.064)	ND (0.08)
2,2-Dichloropropane	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	ND (0.0084)	0.011 J	ND (0.0089)	ND (0.0077)	ND (0.008)	ND (0.01)
2-Chlorotoluene	NA	NA	NA	ND (0.0017) J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.0084)	ND (0.012)	ND (0.0089)	ND (0.0077)	ND (0.008)	ND (0.01)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	ND (0.00084) J	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
4-Chlorotoluene	NA	NA	NA	ND (0.0017) J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	0.00039 J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	0.00091 J
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.0084)	ND (0.012)	ND (0.0089)	ND (0.0077)	ND (0.008)	ND (0.01)
Acetone	0.05	100	0.05	0.023	0.071	0.029	0.0057 J	ND (0.008)	0.008 J
Acrylonitrile	NA	NA	NA	ND (0.0033)	ND (0.0047)	ND (0.0036)	ND (0.0031)	ND (0.0032)	ND (0.004)
Benzene	0.06	4.8	0.06	ND (0.00042)	ND (0.00058)	ND (0.00045)	ND (0.00039)	ND (0.0004)	0.0014
Bromobenzene	NA	NA	NA	ND (0.0017) J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
Bromodichloromethane	NA	NA	NA	ND (0.00042)	ND (0.00058)	ND (0.00045)	ND (0.00039)	ND (0.0004)	ND (0.0005)
Bromoform	NA	NA	NA	ND (0.0033)	ND (0.0047)	ND (0.0036)	ND (0.0031)	ND (0.0032)	ND (0.004)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
Carbon disulfide	NA	NA	NA	ND (0.0084) J	ND (0.012)	ND (0.0089)	ND (0.0077)	ND (0.008)	ND (0.01)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.00084)	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
Chlorobenzene	1.1	100	1.1	ND (0.00042) J	ND (0.00058)	ND (0.00045)	ND (0.00039)	ND (0.0004)	ND (0.0005)
Chlorobromomethane	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
Chloroethane	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
Chloroform (Trichloromethane)	0.37	49	0.37	0.00046 J	ND (0.0018)	ND (0.0013)	ND (0.0012)	ND (0.0012)	0.001 J
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0033)	ND (0.0047)	ND (0.0036)	ND (0.0031)	ND (0.0032)	ND (0.004)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.00084)	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00042) J	ND (0.00058)	ND (0.00045)	ND (0.00039)	ND (0.0004)	ND (0.0005)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.00084) J	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
Dibromochloromethane	NA	NA	NA	ND (0.00084)	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
Dibromomethane	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.0084)	ND (0.012)	ND (0.0089)	ND (0.0077)	ND (0.008)	ND (0.01)
Ethyl Ether	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
Ethylbenzene	1	41	1	ND (0.00084) J	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	0.00054 J
Hexachlorobutadiene	NA	NA	NA	ND (0.0033) J	ND (0.0047)	ND (0.0036)	ND (0.0031)	ND (0.0032)	ND (0.004)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.00084) J	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
m,p-Xylenes	NA	NA	NA	0.00096 J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	0.0016 J
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	ND (0.0017)	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (0.0042)	ND (0.0058)	ND (0.0045)	ND (0.0039)	ND (0.004)	ND (0.005)
Naphthalene	12	100	12	ND (0.0033) J	ND (0.0047)	ND (0.0036)	ND (0.0031)	0.026	3.4
n-Butylbenzene	12	100	12	ND (0.00084) J	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
n-Propylbenzene	3.9	100	3.9	ND (0.00084) J	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
o-Xylene	NA	NA	NA	ND (0.00084) J	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	0.001
Styrene	NA	NA	NA	ND (0.00084) J	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
tert-Butylbenzene	5.9	100	5.9	ND (0.0017) J	ND (0.0023)	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.002)
Tetrachloroethene	1.3	19	1.3	ND (0.00042) J	ND (0.00058)	ND (0.00045)	ND (0.00039)	ND (0.0004)	ND (0.0005)
Toluene	0.7	100	0.7	0.00067 J	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	0.0012
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0012)	ND (0.0018)	ND (0.0013)	ND (0.0012)	ND (0.0012)	ND (0.0015)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.00084) J	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0042) J	ND (0.0058)	ND (0.0045)	ND (0.0039)	ND (0.004)	ND (0.005)
Trichloroethene	0.47	21	0.47	ND (0.00042) J	ND (0.00058)	ND (0.00045)	ND (0.00039)	ND (0.0004)	ND (0.0005)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0033)	ND (0.0047)	ND (0.0036)	ND (0.0031)	ND (0.0032)	ND (0.004)
Vinyl acetate	NA	NA	NA	ND (0.0084) J	ND (0.012)	ND (0.0089)	ND (0.0077)	ND (0.008)	ND (0.01)
Vinyl chloride	0.02	0.9	0.02	ND (0.00084)	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	ND (0.001)
Xylene (Total)	1.6	100	0.26	0.00096 J	ND (0.0012)	ND (0.00089)	ND (0.00077)	ND (0.0008)	0.0026 J

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater (PGW) SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-06	HA-07	HA-07	HA-07	HA-07	HA-08
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-06 (14-16)	HA-07 (2-4)	HA-07 (6-8)	HA-07 (10-12)	HA-07 (14-16)	HA-08
				02/01/2023	02/09/2023	02/09/2023	02/09/2023	02/09/2023	02/01/2023
				L2305570-04	L2307196-01 L2310952-10	L2307196-02 L2310952-11	L2307196-03 L2310952-12	L2307196-04 L2310952-13	L2305570-05
				14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)
Volatile Organic Compounds (mg/kg)									
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00051)	ND (0.00046)	ND (0.00064)	ND (0.00078)	ND (0.00039)	ND (0.00048)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00051)	ND (0.00046)	ND (0.00064)	ND (0.00078)	ND (0.00039)	ND (0.00048)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00051)	ND (0.00046)	ND (0.00064)	ND (0.00078)	ND (0.00039)	ND (0.00048)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	ND (0.00096)
1,1-Dichloroethane	0.27	26	0.27	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	ND (0.00096)
1,1-Dichloroethene	0.33	100	0.33	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	ND (0.00096)
1,1-Dichloropropene	NA	NA	NA	ND (0.00051)	ND (0.00046)	ND (0.00064)	ND (0.00078)	ND (0.00039)	ND (0.00048)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.002)	ND (0.0018)	0.0018 J	0.00043 J	ND (0.0016)	0.0002 J
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
1,2,4-Trimethylbenzene	3.6	52	3.6	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	0.00071 J
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0031)	ND (0.0028)	ND (0.0038)	ND (0.0047)	ND (0.0023)	ND (0.0029)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	ND (0.00096)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	ND (0.00096)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	0.00046 J	ND (0.00096)
1,2-Dichloropropane	NA	NA	NA	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	ND (0.00096)
1,3,5-Trimethylbenzene	8.4	52	8.4	ND (0.002)	ND (0.0018)	0.0014 J	0.00036 J	ND (0.0016)	0.0004 J
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
1,3-Dichloropropane	NA	NA	NA	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
1,3-Dichloropropene	NA	NA	NA	ND (0.00051)	ND (0.00046)	ND (0.00064)	ND (0.00078)	ND (0.00039)	ND (0.00048)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
1,4-Diethylbenzene	NA	NA	NA	ND (0.002)	ND (0.0018)	0.0046	0.00084 J	ND (0.0016)	ND (0.0019)
1,4-Dioxane	0.1	13	0.1	ND (0.082)	ND (0.074)	ND (0.1)	ND (0.12)	ND (0.063)	ND (0.077)
2,2-Dichloropropane	NA	NA	NA	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	ND (0.01)	ND (0.0092)	ND (0.013)	ND (0.016)	0.003 J	ND (0.0096)
2-Chlorotoluene	NA	NA	NA	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.01)	ND (0.0092)	ND (0.013)	ND (0.016)	ND (0.0078)	ND (0.0096)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	ND (0.001)	ND (0.00092)	0.00043 J	ND (0.0016)	ND (0.00078)	ND (0.00096)
4-Chlorotoluene	NA	NA	NA	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	0.00052 J
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.01)	ND (0.0092)	ND (0.013)	ND (0.016)	ND (0.0078)	ND (0.0096)
Acetone	0.05	100	0.05	0.022	0.0073 J	ND (0.013)	0.02 J	0.017 J+	0.25
Acrylonitrile	NA	NA	NA	ND (0.0041)	ND (0.0037)	ND (0.0051)	ND (0.0062)	ND (0.0031)	ND (0.0038)
Benzene	0.06	4.8	0.06	ND (0.00051)	ND (0.00046)	ND (0.00064)	ND (0.00078)	ND (0.00039)	0.0002 J
Bromobenzene	NA	NA	NA	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
Bromodichloromethane	NA	NA	NA	ND (0.00051)	ND (0.00046)	ND (0.00064)	ND (0.00078)	ND (0.00039)	ND (0.00048)
Bromoform	NA	NA	NA	ND (0.0041)	ND (0.0037)	ND (0.0051)	ND (0.0062)	ND (0.0031)	ND (0.0038)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
Carbon disulfide	NA	NA	NA	ND (0.01)	ND (0.0092)	ND (0.013)	ND (0.016)	ND (0.0078)	ND (0.0096)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	ND (0.00096)
Chlorobenzene	1.1	100	1.1	ND (0.00051)	ND (0.00046)	ND (0.00064)	ND (0.00078)	ND (0.00039)	ND (0.00048)
Chlorobromomethane	NA	NA	NA	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
Chloroethane	NA	NA	NA	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
Chloroform (Trichloromethane)	0.37	49	0.37	0.00026 J	0.00031 J	0.00043 J	0.00096 J	ND (0.0012)	ND (0.0014)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0041)	ND (0.0037)	ND (0.0051)	ND (0.0062)	ND (0.0031)	ND (0.0038)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	0.00046 J	ND (0.00096)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00051)	ND (0.00046)	ND (0.00064)	ND (0.00078)	ND (0.00039)	ND (0.00048)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.001)	ND (0.00092)	0.00056 J	ND (0.0016)	ND (0.00078)	ND (0.00096)
Dibromochloromethane	NA	NA	NA	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	ND (0.00096)
Dibromomethane	NA	NA	NA	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.01)	ND (0.0092)	ND (0.013)	ND (0.016)	ND (0.0078)	ND (0.0096)
Ethyl Ether	NA	NA	NA	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
Ethylbenzene	1	41	1	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	0.0017
Hexachlorobutadiene	NA	NA	NA	ND (0.0041)	ND (0.0037)	ND (0.0051)	ND (0.0062)	ND (0.0031)	ND (0.0038)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	0.00019 J
m,p-Xylenes	NA	NA	NA	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	0.01
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (0.0051)	ND (0.0046)	ND (0.0064)	ND (0.0078)	ND (0.0039)	ND (0.0048)
Naphthalene	12	100	12	0.0063	0.00083 J	0.0016 J	0.006 J	ND (0.0031)	0.019
n-Butylbenzene	12	100	12	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	ND (0.00096)
n-Propylbenzene	3.9	100	3.9	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	ND (0.00096)
o-Xylene	NA	NA	NA	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	0.0054
Styrene	NA	NA	NA	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	ND (0.00096)
tert-Butylbenzene	5.9	100	5.9	ND (0.002)	ND (0.0018)	ND (0.0025)	ND (0.0031)	ND (0.0016)	ND (0.0019)
Tetrachloroethene	1.3	19	1.3	ND (0.00051)	0.00049	0.00037 J	0.00091	ND (0.00039)	ND (0.00048)
Toluene	0.7	100	0.7	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	0.0017
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0015)	ND (0.0014)	ND (0.0019)	ND (0.0023)	ND (0.0012)	ND (0.0014)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	ND (0.00096)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0051)	ND (0.0046)	ND (0.0064)	ND (0.0078)	ND (0.0039)	ND (0.0048)
Trichloroethene	0.47	21	0.47	ND (0.00051)	ND (0.00046)	ND (0.00064)	ND (0.00078)	ND (0.00039)	ND (0.00048)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0041)	ND (0.0037)	ND (0.0051)	ND (0.0062)	ND (0.0031)	ND (0.0038)
Vinyl acetate	NA	NA	NA	ND (0.01)	ND (0.0092)	ND (0.013)	ND (0.016)	ND (0.0078)	ND (0.0096)
Vinyl chloride	0.02	0.9	0.02	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	ND (0.00096)
Xylene (Total)	1.6	100	0.26	ND (0.001)	ND (0.00092)	ND (0.0013)	ND (0.0016)	ND (0.00078)	0.015

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater (PGW) SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-08 HA-08 (6-8) 02/01/2023 L2305570-06 6 - 8 (ft)	HA-08 HA-08 (10-12) 02/01/2023 L2305570-07 10 - 12 (ft)	HA-08 HA-08 (14-16) 02/01/2023 L2305570-08 14 - 16 (ft)	HA-09 HA-09 (2-4) 02/09/2023 L2307196-05 2 - 4 (ft)	HA-09 HA-09 (6-8) 02/09/2023 L2307196-06 L2310952-14 6 - 8 (ft)	HA-09 HA-09 (10-12) 02/09/2023 L2307196-07 10 - 12 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
Volatile Organic Compounds (mg/kg)									
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00048)	ND (0.00095)	ND (0.00076)	ND (0.00033)	ND (0.00057)	ND (0.00045)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00048)	ND (0.00095)	ND (0.00076)	ND (0.00033)	ND (0.00057)	ND (0.00045)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00048)	ND (0.00095)	ND (0.00076)	ND (0.00033)	ND (0.00057)	ND (0.00045)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
1,1-Dichloroethane	0.27	26	0.27	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
1,1-Dichloroethene	0.33	100	0.33	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
1,1-Dichloropropene	NA	NA	NA	ND (0.00048)	ND (0.00095)	ND (0.00076)	ND (0.00033)	ND (0.00057)	ND (0.00045)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
1,2,4-Trimethylbenzene	3.6	52	3.6	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0029)	ND (0.0057)	ND (0.0046)	ND (0.002)	ND (0.0034)	ND (0.0027)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
1,2-Dichloropropane	NA	NA	NA	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
1,3,5-Trimethylbenzene	8.4	52	8.4	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
1,3-Dichloropropane	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
1,3-Dichloropropene	NA	NA	NA	ND (0.00048)	ND (0.00095)	ND (0.00076)	ND (0.00033)	ND (0.00057)	ND (0.00045)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
1,4-Diethylbenzene	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
1,4-Dioxane	0.1	13	0.1	ND (0.078)	ND (0.15)	ND (0.12)	ND (0.053)	ND (0.091)	ND (0.072)
2,2-Dichloropropane	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	ND (0.0097)	0.015 J	ND (0.015)	ND (0.0067)	ND (0.011)	ND (0.009)
2-Chlorotoluene	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.0097)	ND (0.019)	ND (0.015)	ND (0.0067)	ND (0.011)	ND (0.009)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
4-Chlorotoluene	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.0097)	ND (0.019)	ND (0.015)	ND (0.0067)	ND (0.011)	ND (0.009)
Acetone	0.05	100	0.05	ND (0.0097)	0.055	0.015	0.006 J	0.015 J	ND (0.009)
Acrylonitrile	NA	NA	NA	ND (0.0039)	ND (0.0076)	ND (0.0061)	ND (0.0027)	ND (0.0046)	ND (0.0036)
Benzene	0.06	4.8	0.06	ND (0.00048)	ND (0.00095)	ND (0.00076)	ND (0.00033)	ND (0.00057)	ND (0.00045)
Bromobenzene	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
Bromodichloromethane	NA	NA	NA	ND (0.00048)	ND (0.00095)	ND (0.00076)	ND (0.00033)	ND (0.00057)	ND (0.00045)
Bromoform	NA	NA	NA	ND (0.0039)	ND (0.0076)	ND (0.0061)	ND (0.0027)	ND (0.0046)	ND (0.0036)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
Carbon disulfide	NA	NA	NA	ND (0.0097)	ND (0.019)	ND (0.015)	ND (0.0067)	ND (0.011)	ND (0.009)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
Chlorobenzene	1.1	100	1.1	ND (0.00048)	ND (0.00095)	ND (0.00076)	ND (0.00033)	ND (0.00057)	ND (0.00045)
Chlorobromomethane	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
Chloroethane	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
Chloroform (Trichloromethane)	0.37	49	0.37	ND (0.0014)	ND (0.0028)	ND (0.0023)	ND (0.001)	ND (0.0017)	0.00032 J
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0039)	ND (0.0076)	ND (0.0061)	ND (0.0027)	ND (0.0046)	ND (0.0036)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00048)	ND (0.00095)	ND (0.00076)	ND (0.00033)	ND (0.00057)	ND (0.00045)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
Dibromochloromethane	NA	NA	NA	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
Dibromomethane	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.0097)	ND (0.019)	ND (0.015)	ND (0.0067)	ND (0.011)	ND (0.009)
Ethyl Ether	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
Ethylbenzene	1	41	1	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	0.0021	ND (0.0009)
Hexachlorobutadiene	NA	NA	NA	ND (0.0039)	ND (0.0076)	ND (0.0061)	ND (0.0027)	ND (0.0046)	ND (0.0036)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
m,p-Xylenes	NA	NA	NA	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	0.012	ND (0.0018)
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (0.0048)	ND (0.0095)	ND (0.0076)	ND (0.0033)	ND (0.0057)	ND (0.0045)
Naphthalene	12	100	12	ND (0.0039)	ND (0.0076)	ND (0.0061)	ND (0.0027)	ND (0.0046)	ND (0.0036)
n-Butylbenzene	12	100	12	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
n-Propylbenzene	3.9	100	3.9	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
o-Xylene	NA	NA	NA	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	0.0052	ND (0.0009)
Styrene	NA	NA	NA	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
tert-Butylbenzene	5.9	100	5.9	ND (0.0019)	ND (0.0038)	ND (0.003)	ND (0.0013)	ND (0.0023)	ND (0.0018)
Tetrachloroethene	1.3	19	1.3	ND (0.00048)	ND (0.00095)	ND (0.00076)	0.00017 J	0.00022 J	0.00024 J
Toluene	0.7	100	0.7	ND (0.00097)	ND (0.0019)	ND (0.0015)	0.00059 J	ND (0.0011)	ND (0.0009)
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0014)	ND (0.0028)	ND (0.0023)	ND (0.001)	ND (0.0017)	ND (0.0014)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0048)	ND (0.0095)	ND (0.0076)	ND (0.0033)	ND (0.0057)	ND (0.0045)
Trichloroethene	0.47	21	0.47	ND (0.00048)	ND (0.00095)	ND (0.00076)	ND (0.00033)	ND (0.00057)	ND (0.00045)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0039)	ND (0.0076)	ND (0.0061)	ND (0.0027)	ND (0.0046)	ND (0.0036)
Vinyl acetate	NA	NA	NA	ND (0.0097)	ND (0.019)	ND (0.015)	ND (0.0067) J	ND (0.011)	ND (0.009)
Vinyl chloride	0.02	0.9	0.02	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	ND (0.0011)	ND (0.0009)
Xylene (Total)	1.6	100	0.26	ND (0.00097)	ND (0.0019)	ND (0.0015)	ND (0.00067)	0.017	ND (0.0009)

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater (PGW) SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-09	HA-10	HA-10	HA-10	HA-10	HA-11
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-09 (14-16)	HA-10 (2-4)	HA-10 (6-8)	HA-10 (10-12)	HA-10 (14-16)	HA-11
				02/09/2023	02/08/2023	02/08/2023	02/08/2023	02/08/2023	02/09/2023
				L2307196-08 L2310952-15	L2306883-09 L2310952-33	L2306883-10	L2306883-11 L2310952-34	L2306883-12 L2310952-35	L2307196-09 L2310952-16
				14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)
Volatile Organic Compounds (mg/kg)									
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00042)	ND (0.00057)	ND (0.00079)	ND (0.00046)	ND (0.00051)	ND (0.00052)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00042)	ND (0.00057)	ND (0.00079)	ND (0.00046)	ND (0.00051)	ND (0.00052)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00042)	ND (0.00057)	ND (0.00079)	ND (0.00046)	ND (0.00051)	ND (0.00052)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	0.27	26	0.27	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	0.33	100	0.33	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
1,1-Dichloropropene	NA	NA	NA	ND (0.00042)	ND (0.00057)	ND (0.00079)	ND (0.00046)	ND (0.00051)	ND (0.00052)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	0.00025 J
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
1,2,4-Trimethylbenzene	3.6	52	3.6	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	0.00058 J
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0025)	ND (0.0034)	ND (0.0048)	ND (0.0028)	ND (0.0031)	ND (0.0031)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	0.00039 J	ND (0.001)
1,2-Dichloropropane	NA	NA	NA	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	8.4	52	8.4	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	0.00052 J
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
1,3-Dichloropropane	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
1,3-Dichloropropene	NA	NA	NA	ND (0.00042)	ND (0.00057)	ND (0.00079)	ND (0.00046)	ND (0.00051)	ND (0.00052)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
1,4-Diethylbenzene	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	0.00041 J
1,4-Dioxane	0.1	13	0.1	ND (0.067)	ND (0.091)	ND (0.13)	ND (0.074)	ND (0.082)	ND (0.083)
2,2-Dichloropropane	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	ND (0.0083)	ND (0.011)	ND (0.016)	0.0031 J	ND (0.01)	ND (0.01)
2-Chlorotoluene	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.0083)	ND (0.011)	ND (0.016)	ND (0.0093)	ND (0.01)	ND (0.01)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
4-Chlorotoluene	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.0083)	ND (0.011)	ND (0.016)	ND (0.0093)	ND (0.01)	ND (0.01)
Acetone	0.05	100	0.05	0.0093 J	0.065	0.04	0.047	0.022	0.0095 J
Acrylonitrile	NA	NA	NA	ND (0.0033)	ND (0.0045)	ND (0.0063)	ND (0.0037)	ND (0.0041)	ND (0.0042)
Benzene	0.06	4.8	0.06	ND (0.00042)	0.00028 J	ND (0.00079)	ND (0.00046)	ND (0.00051)	ND (0.00052)
Bromobenzene	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
Bromodichloromethane	NA	NA	NA	ND (0.00042)	ND (0.00057)	ND (0.00079)	ND (0.00046)	ND (0.00051)	ND (0.00052)
Bromoform	NA	NA	NA	ND (0.0033)	ND (0.0045)	ND (0.0063)	ND (0.0037)	ND (0.0041)	ND (0.0042)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
Carbon disulfide	NA	NA	NA	ND (0.0083)	ND (0.011)	ND (0.016)	ND (0.0093)	ND (0.01)	ND (0.01)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
Chlorobenzene	1.1	100	1.1	ND (0.00042)	ND (0.00057)	ND (0.00079)	ND (0.00046)	ND (0.00051)	ND (0.00052)
Chlorobromomethane	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
Chloroethane	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
Chloroform (Trichloromethane)	0.37	49	0.37	0.0002 J	ND (0.0017)	ND (0.0024)	ND (0.0014)	ND (0.0015)	ND (0.0016)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0033)	ND (0.0045)	ND (0.0063)	ND (0.0037)	ND (0.0041)	ND (0.0042)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	0.00039 J	ND (0.001)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00042)	ND (0.00057)	ND (0.00079)	ND (0.00046)	ND (0.00051)	ND (0.00052)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
Dibromochloromethane	NA	NA	NA	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
Dibromomethane	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.0083)	ND (0.011)	ND (0.016)	ND (0.0093)	ND (0.01)	ND (0.01)
Ethyl Ether	NA	NA	NA	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
Ethylbenzene	1	41	1	0.00029 J	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
Hexachlorobutadiene	NA	NA	NA	ND (0.0033)	ND (0.0045)	ND (0.0063)	ND (0.0037)	ND (0.0041)	ND (0.0042)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
m,p-Xylenes	NA	NA	NA	0.0014 J	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (0.0042)	ND (0.0057)	ND (0.0079)	ND (0.0046)	ND (0.0051)	ND (0.0052)
Naphthalene	12	100	12	0.00066 J	ND (0.0045)	0.0012 J	ND (0.0037)	ND (0.0041)	0.05
n-Butylbenzene	12	100	12	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
n-Propylbenzene	3.9	100	3.9	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
o-Xylene	NA	NA	NA	0.00072 J	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
Styrene	NA	NA	NA	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
tert-Butylbenzene	5.9	100	5.9	ND (0.0017)	ND (0.0023)	ND (0.0032)	ND (0.0019)	ND (0.002)	ND (0.0021)
Tetrachloroethene	1.3	19	1.3	0.00032 J	0.00071	ND (0.00079)	ND (0.00046)	ND (0.00051)	0.008
Toluene	0.7	100	0.7	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	0.00059 J
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0012)	ND (0.0017)	ND (0.0024)	ND (0.0014)	ND (0.0015)	ND (0.0016)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0042)	ND (0.0057)	ND (0.0079)	ND (0.0046)	ND (0.0051)	ND (0.0052)
Trichloroethene	0.47	21	0.47	ND (0.00042)	ND (0.00057)	ND (0.00079)	ND (0.00046)	ND (0.00051)	ND (0.00052)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0033)	ND (0.0045)	ND (0.0063)	ND (0.0037)	ND (0.0041)	ND (0.0042)
Vinyl acetate	NA	NA	NA	ND (0.0083)	ND (0.011)	ND (0.016)	ND (0.0093)	ND (0.01)	ND (0.01)
Vinyl chloride	0.02	0.9	0.02	ND (0.00083)	ND (0.0011)	ND (0.0016)	ND (0.00093)	0.00089 J	ND (0.001)
Xylene (Total)	1.6	100	0.26	0.0021 J	ND (0.0011)	ND (0.0016)	ND (0.00093)	ND (0.001)	ND (0.001)

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater (PGW) SCO's.

- ***Bold italic*** values indicate an exceedance of the Protection of Groundwater Criteria.

- ***Bold italic*** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-11	HA-11	HA-11	HA-12	HA-12	HA-12
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-11 (6-8)	HA-11 (10-12)	HA-11 (14-16)	HA-12 (2-4)	HA-12 (6-8)	HA-12 (10-12)
				02/09/2023	02/09/2023	02/09/2023	02/09/2023	02/09/2023	02/09/2023
				L2307196-10	L2307196-11 L2310952-17	L2307196-12 L2310952-18	L2307196-13 L2310952-19	L2307196-14 L2310952-20	L2307196-15 L2310952-21
Volatile Organic Compounds (mg/kg)									
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00048)	ND (0.00051)	ND (0.00038)	ND (0.00055)	ND (0.00047)	ND (0.00038)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00048)	ND (0.00051)	ND (0.00038)	ND (0.00055)	ND (0.00047)	ND (0.00038)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00048)	ND (0.00051)	ND (0.00038)	ND (0.00055)	ND (0.00047)	ND (0.00038)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
1,1-Dichloroethane	0.27	26	0.27	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
1,1-Dichloroethene	0.33	100	0.33	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
1,1-Dichloropropene	NA	NA	NA	ND (0.00048)	ND (0.00051)	ND (0.00038)	ND (0.00055)	ND (0.00047)	ND (0.00038)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
1,2,4-Trimethylbenzene	3.6	52	3.6	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0029)	ND (0.003)	ND (0.0023)	ND (0.0033)	ND (0.0028)	ND (0.0023)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
1,2-Dichloropropane	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
1,3,5-Trimethylbenzene	8.4	52	8.4	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
1,3-Dichloropropane	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
1,3-Dichloropropene	NA	NA	NA	ND (0.00048)	ND (0.00051)	ND (0.00038)	ND (0.00055)	ND (0.00047)	ND (0.00038)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
1,4-Diethylbenzene	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
1,4-Dioxane	0.1	13	0.1	ND (0.076)	ND (0.081)	ND (0.062)	ND (0.088)	ND (0.075)	ND (0.061)
2,2-Dichloropropane	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	ND (0.0096)	ND (0.01)	0.0053 J	ND (0.011)	ND (0.0094)	0.0025 J
2-Chlorotoluene	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.0096)	ND (0.01)	ND (0.0077)	ND (0.011)	ND (0.0094)	ND (0.0076)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
4-Chlorotoluene	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.0096)	ND (0.01)	ND (0.0077)	ND (0.011)	ND (0.0094)	ND (0.0076)
Acetone	0.05	100	0.05	0.034 J	0.049 J	0.024 J	0.0073 J	0.071 J	0.019
Acrylonitrile	NA	NA	NA	ND (0.0038)	ND (0.004)	ND (0.0031)	ND (0.0044)	ND (0.0038)	ND (0.003)
Benzene	0.06	4.8	0.06	ND (0.00048)	ND (0.00051)	ND (0.00038)	ND (0.00055)	ND (0.00047)	ND (0.00038)
Bromobenzene	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
Bromodichloromethane	NA	NA	NA	ND (0.00048)	ND (0.00051)	ND (0.00038)	ND (0.00055)	ND (0.00047)	ND (0.00038)
Bromoform	NA	NA	NA	ND (0.0038)	ND (0.004)	ND (0.0031)	ND (0.0044)	ND (0.0038)	ND (0.003)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
Carbon disulfide	NA	NA	NA	ND (0.0096)	ND (0.01)	ND (0.0077)	ND (0.011)	ND (0.0094)	ND (0.0076)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
Chlorobenzene	1.1	100	1.1	ND (0.00048)	ND (0.00051)	ND (0.00038)	ND (0.00055)	ND (0.00047)	ND (0.00038)
Chlorobromomethane	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
Chloroethane	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
Chloroform (Trichloromethane)	0.37	49	0.37	0.00058 J	0.0013 J	ND (0.0012)	ND (0.0016)	0.0012 J	ND (0.0011)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0038)	ND (0.004)	ND (0.0031)	ND (0.0044)	ND (0.0038)	ND (0.003)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00048)	ND (0.00051)	ND (0.00038)	ND (0.00055)	ND (0.00047)	ND (0.00038)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
Dibromochloromethane	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
Dibromomethane	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.0096)	ND (0.01)	ND (0.0077)	ND (0.011)	ND (0.0094)	ND (0.0076)
Ethyl Ether	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
Ethylbenzene	1	41	1	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
Hexachlorobutadiene	NA	NA	NA	ND (0.0038)	ND (0.004)	ND (0.0031)	ND (0.0044)	ND (0.0038)	ND (0.003)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
m,p-Xylenes	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (0.0048)	ND (0.0051)	ND (0.0038)	ND (0.0055)	ND (0.0047)	ND (0.0038)
Naphthalene	12	100	12	ND (0.0038)	ND (0.004)	ND (0.0031)	ND (0.0044)	ND (0.0038)	ND (0.003)
n-Butylbenzene	12	100	12	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
n-Propylbenzene	3.9	100	3.9	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
o-Xylene	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
Styrene	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
tert-Butylbenzene	5.9	100	5.9	ND (0.0019)	ND (0.002)	ND (0.0015)	ND (0.0022)	ND (0.0019)	ND (0.0015)
Tetrachloroethene	1.3	19	1.3	0.00024 J	0.00028 J	ND (0.00038)	0.00033 J	0.00034 J	ND (0.00038)
Toluene	0.7	100	0.7	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0014)	ND (0.0015)	ND (0.0012)	ND (0.0016)	ND (0.0014)	ND (0.0011)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0048)	ND (0.0051)	ND (0.0038)	ND (0.0055)	ND (0.0047)	ND (0.0038)
Trichloroethene	0.47	21	0.47	ND (0.00048)	ND (0.00051)	ND (0.00038)	ND (0.00055)	ND (0.00047)	ND (0.00038)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0038)	ND (0.004)	ND (0.0031)	ND (0.0044)	ND (0.0038)	ND (0.003)
Vinyl acetate	NA	NA	NA	ND (0.0096)	ND (0.01)	ND (0.0077)	ND (0.011)	ND (0.0094)	ND (0.0076)
Vinyl chloride	0.02	0.9	0.02	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)
Xylene (Total)	1.6	100	0.26	ND (0.00096)	ND (0.001)	ND (0.00077)	ND (0.0011)	ND (0.00094)	ND (0.00076)

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater (PGW) SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-12	HA-13	HA-13	HA-13	HA-13	HA-14
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-12 (14-16)	HA-13 (2-4)	HA-13 (6-8)	HA-13 (10-12)	HA-13 (14-16)	HA-14
				02/09/2023	02/13/2023	02/13/2023	02/13/2023	02/13/2023	02/01/2023
				L2307196-16	L2307677-01 L2310952-01	L2307677-02 L2310952-02	L2307677-03 L2310952-03	L2307677-04 L2310952-04	L2305570-09
				14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)
Volatile Organic Compounds (mg/kg)									
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00059)	ND (0.00064) J	ND (0.00045)	ND (0.0011)	ND (0.0012)	ND (0.00056)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00059)	ND (0.00064) J	ND (0.00045)	ND (0.0011)	ND (0.0012)	ND (0.00056)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00059)	ND (0.00064) J	ND (0.00045)	ND (0.0011)	ND (0.0012)	ND (0.00056)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
1,1-Dichloroethane	0.27	26	0.27	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
1,1-Dichlorobenzene	0.33	100	0.33	ND (0.0012)	ND (0.0013)	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
1,1-Dichloropropene	NA	NA	NA	ND (0.00059)	ND (0.00064) J	ND (0.00045)	ND (0.0011)	ND (0.0012)	ND (0.00056)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
1,2,4-Trimethylbenzene	3.6	52	3.6	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0035)	ND (0.0039) J	ND (0.0027)	ND (0.0067)	ND (0.007)	ND (0.0034)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
1,2-Dichloropropane	NA	NA	NA	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
1,3,5-Trimethylbenzene	8.4	52	8.4	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
1,3-Dichloropropane	NA	NA	NA	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
1,3-Dichloropropene	NA	NA	NA	ND (0.00059)	ND (0.00064) J	ND (0.00045)	ND (0.0011)	ND (0.0012)	ND (0.00056)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
1,4-Diethylbenzene	NA	NA	NA	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
1,4-Dioxane	0.1	13	0.1	ND (0.094)	ND (0.1)	ND (0.072)	ND (0.18)	ND (0.19)	ND (0.09)
2,2-Dichloropropane	NA	NA	NA	ND (0.0024)	ND (0.0026)	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	0.0053 J	ND (0.013)	ND (0.0091)	0.0056 J	0.0067 J	ND (0.011)
2-Chlorotoluene	NA	NA	NA	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.012)	ND (0.013) J	ND (0.0091)	ND (0.022)	ND (0.023)	ND (0.011)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
4-Chlorotoluene	NA	NA	NA	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.012)	ND (0.013) J	ND (0.0091)	ND (0.022)	ND (0.023)	ND (0.011)
Acetone	0.05	100	0.05	0.036 J	0.015	0.0091	0.052	0.055	0.029
Acrylonitrile	NA	NA	NA	ND (0.0047)	ND (0.0051) J	ND (0.0036)	ND (0.009)	ND (0.0093)	ND (0.0045)
Benzene	0.06	4.8	0.06	ND (0.00059)	ND (0.00064) J	ND (0.00045)	ND (0.0011)	ND (0.0012)	ND (0.00056)
Bromobenzene	NA	NA	NA	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
Bromodichloromethane	NA	NA	NA	ND (0.00059)	ND (0.00064) J	ND (0.00045)	ND (0.0011)	ND (0.0012)	ND (0.00056)
Bromoform	NA	NA	NA	ND (0.0047)	ND (0.0051) J	ND (0.0036)	ND (0.009)	ND (0.0093)	ND (0.0045)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
Carbon disulfide	NA	NA	NA	ND (0.012)	ND (0.013)	ND (0.0091)	ND (0.022)	ND (0.023)	ND (0.011)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
Chlorobenzene	1.1	100	1.1	ND (0.00059)	ND (0.00064) J	ND (0.00045)	ND (0.0011)	ND (0.0012)	ND (0.00056)
Chlorobromomethane	NA	NA	NA	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
Chloroethane	NA	NA	NA	ND (0.0024)	ND (0.0026)	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
Chloroform (Trichloromethane)	0.37	49	0.37	ND (0.0018)	0.00034 J	0.00036 J	ND (0.0034)	ND (0.0035)	ND (0.0017)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0047)	ND (0.0051) J	ND (0.0036)	ND (0.009)	ND (0.0093)	ND (0.0045)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00059)	ND (0.00064) J	ND (0.00045)	ND (0.0011)	ND (0.0012)	ND (0.00056)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	0.002 J	ND (0.0011)
Dibromochloromethane	NA	NA	NA	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
Dibromomethane	NA	NA	NA	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.012)	ND (0.013)	ND (0.0091)	ND (0.022)	ND (0.023)	ND (0.011)
Ethyl Ether	NA	NA	NA	ND (0.0024)	ND (0.0026)	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
Ethylbenzene	1	41	1	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
Hexachlorobutadiene	NA	NA	NA	ND (0.0047)	ND (0.0051) J	ND (0.0036)	ND (0.009)	ND (0.0093)	ND (0.0045)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
m,p-Xylenes	NA	NA	NA	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	ND (0.0024)	ND (0.0026)	ND (0.0018)	ND (0.0045)	0.0005 J	ND (0.0023)
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (0.0059)	ND (0.0064) J	ND (0.0045)	ND (0.011)	ND (0.012)	ND (0.0056)
Naphthalene	12	100	12	ND (0.0047)	ND (0.0051) J	ND (0.0036)	ND (0.009)	ND (0.0093)	ND (0.0045)
n-Butylbenzene	12	100	12	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
n-Propylbenzene	3.9	100	3.9	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
o-Xylene	NA	NA	NA	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
Styrene	NA	NA	NA	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
tert-Butylbenzene	5.9	100	5.9	ND (0.0024)	ND (0.0026) J	ND (0.0018)	ND (0.0045)	ND (0.0046)	ND (0.0023)
Tetrachloroethene	1.3	19	1.3	ND (0.00059)	ND (0.00064) J	ND (0.00045)	ND (0.0011)	ND (0.0012)	ND (0.00056)
Toluene	0.7	100	0.7	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0018)	ND (0.0019) J	ND (0.0014)	ND (0.0034)	ND (0.0035)	ND (0.0017)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0059)	ND (0.0064) J	ND (0.0045)	ND (0.011)	ND (0.012)	ND (0.0056)
Trichloroethene	0.47	21	0.47	ND (0.00059)	ND (0.00064) J	ND (0.00045)	ND (0.0011)	ND (0.0012)	ND (0.00056)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0047)	ND (0.0051) J	ND (0.0036)	ND (0.009)	ND (0.0093)	ND (0.0045)
Vinyl acetate	NA	NA	NA	ND (0.012)	ND (0.013) J	ND (0.0091)	ND (0.022)	ND (0.023)	ND (0.011)
Vinyl chloride	0.02	0.9	0.02	ND (0.0012)	ND (0.0013)	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)
Xylene (Total)	1.6	100	0.26	ND (0.0012)	ND (0.0013) J	ND (0.00091)	ND (0.0022)	ND (0.0023)	ND (0.0011)

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater (PGW) SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-14 HA-14 (6-8) 02/01/2023 L2305570-10 6 - 8 (ft)	HA-14 HA-14 (10-12) 02/01/2023 L2305570-11 10 - 12 (ft)	HA-14 HA-14 (14-16) 02/01/2023 L2305570-12 14 - 16 (ft)	HA-15 HA-15 (2-4) 02/01/2023 L2305570-13 2 - 4 (ft)	HA-15 HA-15 (6-8) 02/01/2023 L2305570-14 6 - 8 (ft)	HA-15 HA-15 (10-12) 02/01/2023 L2305570-15 10 - 12 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
Volatile Organic Compounds (mg/kg)									
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00055)	ND (0.00042)	ND (0.00072)	ND (0.00043)	ND (0.00044)	ND (0.051)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00055)	ND (0.00042)	ND (0.00072)	ND (0.00043)	ND (0.00044)	ND (0.051)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00055)	ND (0.00042)	ND (0.00072)	ND (0.00043)	ND (0.00044)	ND (0.051)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
1,1-Dichloroethane	0.27	26	0.27	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
1,1-Dichloroethene	0.33	100	0.33	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
1,1-Dichloropropene	NA	NA	NA	ND (0.00055)	ND (0.00042)	ND (0.00072)	ND (0.00043)	ND (0.00044)	ND (0.051)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
1,2,4-Trimethylbenzene	3.6	52	3.6	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0033)	ND (0.0025)	ND (0.0043)	ND (0.0026)	ND (0.0026)	ND (0.31)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
1,2-Dichloropropane	NA	NA	NA	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
1,3,5-Trimethylbenzene	8.4	52	8.4	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
1,3-Dichloropropane	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
1,3-Dichloropropene	NA	NA	NA	ND (0.00055)	ND (0.00042)	ND (0.00072)	ND (0.00043)	ND (0.00044)	ND (0.051)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
1,4-Diethylbenzene	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
1,4-Dioxane	0.1	13	0.1	ND (0.088)	ND (0.067)	ND (0.12)	ND (0.069)	ND (0.071)	ND (8.2)
2,2-Dichloropropane	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	ND (0.011)	0.0043 J	ND (0.014)	ND (0.0086)	ND (0.0088)	ND (1)
2-Chlorotoluene	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.011)	ND (0.0084)	ND (0.014)	ND (0.0086)	ND (0.0088)	ND (1)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
4-Chlorotoluene	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.011)	ND (0.0084)	ND (0.014)	ND (0.0086)	ND (0.0088)	ND (1)
Acetone	0.05	100	0.05	0.0061 J	0.018	0.036	ND (0.0086)	0.0045 J	ND (1)
Acrylonitrile	NA	NA	NA	ND (0.0044)	ND (0.0033)	ND (0.0058)	ND (0.0034)	ND (0.0035)	ND (0.41)
Benzene	0.06	4.8	0.06	ND (0.00055)	ND (0.00042)	ND (0.00072)	0.00021 J	ND (0.00044)	ND (0.051)
Bromobenzene	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
Bromodichloromethane	NA	NA	NA	ND (0.00055)	ND (0.00042)	ND (0.00072)	ND (0.00043)	ND (0.00044)	ND (0.051)
Bromoform	NA	NA	NA	ND (0.0044)	ND (0.0033)	ND (0.0058)	ND (0.0034)	ND (0.0035)	ND (0.41)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
Carbon disulfide	NA	NA	NA	ND (0.011)	ND (0.0084)	ND (0.014)	ND (0.0086)	ND (0.0088)	ND (1)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
Chlorobenzene	1.1	100	1.1	ND (0.00055)	ND (0.00042)	ND (0.00072)	ND (0.00043)	ND (0.00044)	ND (0.051)
Chlorobromomethane	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
Chloroethane	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
Chloroform (Trichloromethane)	0.37	49	0.37	ND (0.0016)	ND (0.0012)	ND (0.0022)	ND (0.0013)	ND (0.0013)	ND (0.15)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0044)	ND (0.0033)	ND (0.0058)	ND (0.0034)	ND (0.0035)	ND (0.41)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00055)	ND (0.00042)	ND (0.00072)	ND (0.00043)	ND (0.00044)	ND (0.051)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	7.3
Dibromochloromethane	NA	NA	NA	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
Dibromomethane	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.011)	ND (0.0084)	ND (0.014)	ND (0.0086)	ND (0.0088)	ND (1)
Ethyl Ether	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
Ethylbenzene	1	41	1	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
Hexachlorobutadiene	NA	NA	NA	ND (0.0044)	ND (0.0033)	ND (0.0058)	ND (0.0034)	ND (0.0035)	ND (0.41)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
m,p-Xylenes	NA	NA	NA	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (0.0055)	ND (0.0042)	ND (0.0072)	ND (0.0043)	ND (0.0044)	ND (0.51)
Naphthalene	12	100	12	ND (0.0044)	ND (0.0033)	ND (0.0058)	ND (0.0034)	ND (0.0035)	ND (0.41)
n-Butylbenzene	12	100	12	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
n-Propylbenzene	3.9	100	3.9	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
o-Xylene	NA	NA	NA	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
Styrene	NA	NA	NA	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
tert-Butylbenzene	5.9	100	5.9	ND (0.0022)	ND (0.0017)	ND (0.0029)	ND (0.0017)	ND (0.0018)	ND (0.2)
Tetrachloroethene	1.3	19	1.3	ND (0.00055)	ND (0.00042)	ND (0.00072)	ND (0.00043)	ND (0.00044)	ND (0.051)
Toluene	0.7	100	0.7	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0016)	ND (0.0012)	ND (0.0022)	ND (0.0013)	ND (0.0013)	ND (0.15)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0055)	ND (0.0042)	ND (0.0072)	ND (0.0043)	ND (0.0044)	ND (0.51)
Trichloroethene	0.47	21	0.47	ND (0.00055)	ND (0.00042)	ND (0.00072)	ND (0.00043)	ND (0.00044)	ND (0.051)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0044)	ND (0.0033)	ND (0.0058)	ND (0.0034)	ND (0.0035)	ND (0.41)
Vinyl acetate	NA	NA	NA	ND (0.011)	ND (0.0084)	ND (0.014)	ND (0.0086)	ND (0.0088)	ND (1)
Vinyl chloride	0.02	0.9	0.02	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)
Xylene (Total)	1.6	100	0.26	ND (0.0011)	ND (0.00084)	ND (0.0014)	ND (0.00086)	ND (0.00088)	ND (0.1)

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater (PGW) SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-15	HA-16	HA-16	HA-16	HA-16	HA-17
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-15 (14-16)	HA-16 (2-4)	HA-16 (6-8)	HA-16 (10-12)	HA-16 (14-16)	HA-17 (2-4)
				02/01/2023	02/01/2023	02/01/2023	02/01/2023	02/01/2023	02/08/2023
				L2305570-16	L2305570-17	L2305570-18	L2305570-19	L2305570-20	L2306883-13 L2310952-36
				14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)
Volatile Organic Compounds (mg/kg)									
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00067)	ND (0.00054)	ND (0.00076)	ND (0.00049)	ND (0.00049)	ND (0.00058)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00067)	ND (0.00054)	ND (0.00076)	ND (0.00049)	ND (0.00049)	ND (0.00058)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00067)	ND (0.00054)	ND (0.00076)	ND (0.00049)	ND (0.00049)	ND (0.00058)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
1,1-Dichloroethane	0.27	26	0.27	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
1,1-Dichloroethene	0.33	100	0.33	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
1,1-Dichloropropene	NA	NA	NA	ND (0.00067)	ND (0.00054)	ND (0.00076)	ND (0.00049)	ND (0.00049)	ND (0.00058)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
1,2,4-Trimethylbenzene	3.6	52	3.6	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.004)	ND (0.0032)	ND (0.0045)	ND (0.003)	ND (0.0029)	ND (0.0034)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
1,2-Dichloropropane	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
1,3,5-Trimethylbenzene	8.4	52	8.4	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
1,3-Dichloropropane	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
1,3-Dichloropropene	NA	NA	NA	ND (0.00067)	ND (0.00054)	ND (0.00076)	ND (0.00049)	ND (0.00049)	ND (0.00058)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
1,4-Diethylbenzene	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
1,4-Dioxane	0.1	13	0.1	ND (0.11)	ND (0.086)	ND (0.12)	ND (0.079)	ND (0.078)	ND (0.092)
2,2-Dichloropropane	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	ND (0.013)	ND (0.011)	ND (0.015)	ND (0.0099)	0.0054 J	ND (0.012)
2-Chlorotoluene	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.013)	ND (0.011)	ND (0.015)	ND (0.0099)	ND (0.0097)	ND (0.012)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
4-Chlorotoluene	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.013)	ND (0.011)	ND (0.015)	ND (0.0099)	ND (0.0097)	ND (0.012)
Acetone	0.05	100	0.05	ND (0.013)	0.012	0.078	0.023	0.03	0.16
Acrylonitrile	NA	NA	NA	ND (0.0054)	ND (0.0043)	ND (0.006)	ND (0.0039)	ND (0.0039)	ND (0.0046)
Benzene	0.06	4.8	0.06	ND (0.00067)	ND (0.00054)	0.0008	ND (0.00049)	0.0082	0.00028 J
Bromobenzene	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
Bromodichloromethane	NA	NA	NA	ND (0.00067)	ND (0.00054)	ND (0.00076)	ND (0.00049)	ND (0.00049)	ND (0.00058)
Bromoform	NA	NA	NA	ND (0.0054)	ND (0.0043)	ND (0.006)	ND (0.0039)	ND (0.0039)	ND (0.0046)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
Carbon disulfide	NA	NA	NA	ND (0.013)	ND (0.011)	ND (0.015)	ND (0.0099)	ND (0.0097)	ND (0.012)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
Chlorobenzene	1.1	100	1.1	ND (0.00067)	ND (0.00054)	ND (0.00076)	ND (0.00049)	ND (0.00049)	ND (0.00058)
Chlorobromomethane	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
Chloroethane	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
Chloroform (Trichloromethane)	0.37	49	0.37	ND (0.002)	ND (0.0016)	ND (0.0023)	ND (0.0015)	ND (0.0014)	ND (0.0017)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0054)	ND (0.0043)	ND (0.006)	ND (0.0039)	ND (0.0039)	ND (0.0046)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00067)	ND (0.00054)	ND (0.00076)	ND (0.00049)	ND (0.00049)	ND (0.00058)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
Dibromochloromethane	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
Dibromomethane	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.013)	ND (0.011)	ND (0.015)	ND (0.0099)	ND (0.0097)	ND (0.012)
Ethyl Ether	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
Ethylbenzene	1	41	1	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	0.00025 J	ND (0.0012)
Hexachlorobutadiene	NA	NA	NA	ND (0.0054)	ND (0.0043)	ND (0.006)	ND (0.0039)	ND (0.0039)	ND (0.0046)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
m,p-Xylenes	NA	NA	NA	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	0.00064 J
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (0.0067)	ND (0.0054)	ND (0.0076)	ND (0.0049)	ND (0.0049)	ND (0.0058)
Naphthalene	12	100	12	ND (0.0054)	ND (0.0043)	ND (0.006)	ND (0.0039)	ND (0.0039)	ND (0.0046)
n-Butylbenzene	12	100	12	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
n-Propylbenzene	3.9	100	3.9	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
o-Xylene	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
Styrene	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
tert-Butylbenzene	5.9	100	5.9	ND (0.0027)	ND (0.0021)	ND (0.003)	ND (0.002)	ND (0.0019)	ND (0.0023)
Tetrachloroethene	1.3	19	1.3	ND (0.00067)	ND (0.00054)	ND (0.00076)	ND (0.00049)	ND (0.00049)	ND (0.00058)
Toluene	0.7	100	0.7	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	0.00086 J
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.002)	ND (0.0016)	ND (0.0023)	ND (0.0015)	ND (0.0014)	ND (0.0017)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0067)	ND (0.0054)	ND (0.0076)	ND (0.0049)	ND (0.0049)	ND (0.0058)
Trichloroethene	0.47	21	0.47	ND (0.00067)	ND (0.00054)	ND (0.00076)	ND (0.00049)	ND (0.00049)	ND (0.00058)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0054)	ND (0.0043)	ND (0.006)	ND (0.0039)	ND (0.0039)	ND (0.0046)
Vinyl acetate	NA	NA	NA	ND (0.013)	ND (0.011)	ND (0.015)	ND (0.0099)	ND (0.0097)	ND (0.012)
Vinyl chloride	0.02	0.9	0.02	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	ND (0.0012)
Xylene (Total)	1.6	100	0.26	ND (0.0013)	ND (0.0011)	ND (0.0015)	ND (0.00099)	ND (0.00097)	0.00064 J

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater (PGW) SCO's.

- ***Bold italic*** values indicate an exceedance of the Protection of Groundwater Criteria.

- ***Bold italic*** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-17	HA-17	HA-17	HA-18	HA-18	HA-18
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-17 (6-8)	HA-17 (10-12)	HA-17 (14-16)	HA-18 (2-4)	HA-18 (6-8)	HA-18 (10-12)
				02/08/2023	02/08/2023	02/08/2023	02/13/2023	02/13/2023	02/13/2023
				L2306883-14	L2306883-15	L2306883-16 L2310952-37	L2307677-05 L2310952-05	L2307677-06 L2310952-06	L2307677-07 L2310952-07
				6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)
Volatile Organic Compounds (mg/kg)									
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00051)	ND (0.0005)	ND (0.00043)	ND (0.0006)	ND (0.00051) J	ND (0.00084)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00051)	ND (0.0005)	ND (0.00043)	ND (0.0006)	ND (0.00051) J	ND (0.00084)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00051)	ND (0.0005)	ND (0.00043)	ND (0.0006)	ND (0.00051) J	ND (0.00084)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
1,1-Dichloroethane	0.27	26	0.27	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
1,1-Dichloroethene	0.33	100	0.33	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
1,1-Dichloropropene	NA	NA	NA	ND (0.00051)	ND (0.0005)	ND (0.00043)	ND (0.0006)	ND (0.00051) J	ND (0.00084)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.002)	ND (0.002)	0.00085 J	ND (0.0024)	ND (0.002) J	ND (0.0034)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
1,2,4-Trimethylbenzene	3.6	52	3.6	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0031)	ND (0.003)	ND (0.0026)	ND (0.0036)	ND (0.003) J	ND (0.005)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
1,2-Dichloropropane	NA	NA	NA	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
1,3,5-Trimethylbenzene	8.4	52	8.4	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
1,3-Dichloropropane	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
1,3-Dichloropropene	NA	NA	NA	ND (0.00051)	ND (0.0005)	ND (0.00043)	ND (0.0006)	ND (0.00051) J	ND (0.00084)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
1,4-Diethylbenzene	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
1,4-Dioxane	0.1	13	0.1	ND (0.082)	ND (0.081)	ND (0.069)	ND (0.095)	ND (0.081) J	ND (0.13)
2,2-Dichloropropane	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	ND (0.01)	0.0069 J	0.0041 J	ND (0.012)	ND (0.01) J	0.0084 J
2-Chlorotoluene	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.01)	ND (0.01)	ND (0.0086)	ND (0.012)	ND (0.01) J	ND (0.017)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
4-Chlorotoluene	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.01)	ND (0.01)	ND (0.0086)	ND (0.012)	ND (0.01) J	ND (0.017)
Acetone	0.05	100	0.05	0.062	0.08	0.055	0.0067 J	0.021 J+	0.062
Acrylonitrile	NA	NA	NA	ND (0.0041)	ND (0.004)	ND (0.0034)	ND (0.0048)	ND (0.0041) J	ND (0.0067)
Benzene	0.06	4.8	0.06	ND (0.00051)	0.00035 J	0.0028	ND (0.0006)	0.0002 J	ND (0.00084)
Bromobenzene	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
Bromodichloromethane	NA	NA	NA	ND (0.00051)	ND (0.0005)	ND (0.00043)	ND (0.0006)	ND (0.00051) J	ND (0.00084)
Bromoform	NA	NA	NA	ND (0.0041)	ND (0.004)	ND (0.0034)	ND (0.0048)	ND (0.0041) J	ND (0.0067)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
Carbon disulfide	NA	NA	NA	ND (0.01)	ND (0.01)	ND (0.0086)	ND (0.012)	ND (0.01) J	ND (0.017)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
Chlorobenzene	1.1	100	1.1	ND (0.00051)	ND (0.0005)	ND (0.00043)	ND (0.0006)	ND (0.00051) J	ND (0.00084)
Chlorobromomethane	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
Chloroethane	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
Chloroform (Trichloromethane)	0.37	49	0.37	ND (0.0015)	ND (0.0015)	ND (0.0013)	ND (0.0018)	ND (0.0015) J	ND (0.0025)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0041)	ND (0.004)	ND (0.0034)	ND (0.0048)	ND (0.0041) J	ND (0.0067)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00051)	ND (0.0005)	ND (0.00043)	ND (0.0006)	ND (0.00051) J	ND (0.00084)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
Dibromochloromethane	NA	NA	NA	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
Dibromomethane	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.01)	ND (0.01)	ND (0.0086)	ND (0.012)	ND (0.01) J	ND (0.017)
Ethyl Ether	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
Ethylbenzene	1	41	1	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	0.0002 J	ND (0.0017)
Hexachlorobutadiene	NA	NA	NA	ND (0.0041)	ND (0.004)	ND (0.0034)	ND (0.0048)	ND (0.0041) J	ND (0.0067)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
m,p-Xylenes	NA	NA	NA	ND (0.002)	ND (0.002)	ND (0.0017)	ND (0.0024)	ND (0.002) J	ND (0.0034)
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	ND (0.002)	ND (0.002)	0.00028 J	0.00025 J	ND (0.002) J	ND (0.0034)
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (0.0051)	ND (0.005)	ND (0.0043)	ND (0.006)	ND (0.0051) J	ND (0.0084)
Naphthalene	12	100	12	ND (0.0041)	ND (0.004)	ND (0.0034)	ND (0.0048)	ND (0.0041) J	ND (0.0067)
n-Butylbenzene	12	100	12	ND (0.001)	0.00024 J	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
n-Propylbenzene	3.9	100	3.9	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
o-Xylene	NA	NA	NA	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
Styrene	NA	NA	NA	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
tert-Butylbenzene	5.9	100	5.9	ND (0.002)	ND (0.002)	0.00025 J	ND (0.0024)	ND (0.002) J	ND (0.0034)
Tetrachloroethene	1.3	19	1.3	ND (0.00051)	ND (0.0005)	ND (0.00043)	ND (0.0006)	ND (0.00051) J	ND (0.00084)
Toluene	0.7	100	0.7	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0015)	ND (0.0015)	ND (0.0013)	ND (0.0018)	ND (0.0015) J	ND (0.0025)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0051)	ND (0.005)	ND (0.0043)	ND (0.006)	ND (0.0051) J	ND (0.0084)
Trichloroethene	0.47	21	0.47	ND (0.00051)	ND (0.0005)	ND (0.00043)	ND (0.0006)	ND (0.00051) J	ND (0.00084)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0041)	ND (0.004)	ND (0.0034)	ND (0.0048)	ND (0.0041) J	ND (0.0067)
Vinyl acetate	NA	NA	NA	ND (0.01)	ND (0.01)	ND (0.0086)	ND (0.012)	ND (0.01) J	ND (0.017)
Vinyl chloride	0.02	0.9	0.02	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)
Xylene (Total)	1.6	100	0.26	ND (0.001)	ND (0.001)	ND (0.00086)	ND (0.0012)	ND (0.001) J	ND (0.0017)

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater (PGW) SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-18	HA-18	HA-19	HA-19	HA-19
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	DUP_1_02132023	HA-18 (14-16)	HA-19 (2-4)	HA-19 (6-8)	HA-19 (10-12)
				02/13/2023	02/13/2023	02/08/2023	02/08/2023	02/08/2023
				L2307677-09 L2310952-09	L2307677-08 L2310952-08	L2306883-17 L2310952-38	L2306883-18 L2310952-39	L2306883-19 L2310952-40
Volatile Organic Compounds (mg/kg)								
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00056) J	ND (0.032)	ND (0.00063)	ND (0.0004)	ND (0.06)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00056) J	ND (0.032)	ND (0.00063)	ND (0.0004)	ND (0.06)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00056) J	ND (0.032)	ND (0.00063)	ND (0.0004)	ND (0.06)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.0011) J	ND (0.064)	ND (0.0012)	ND (0.0008)	ND (0.12)
1,1-Dichloroethane	0.27	26	0.27	ND (0.0011) J	ND (0.064)	ND (0.0012)	ND (0.0008)	ND (0.12)
1,1-Dichloroethene	0.33	100	0.33	ND (0.0011) J	ND (0.064)	ND (0.0012)	ND (0.0008)	ND (0.12)
1,1-Dichloropropene	NA	NA	NA	ND (0.00056) J	ND (0.032)	ND (0.00063)	ND (0.0004)	ND (0.06)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0022) J	2.6	0.00035 J	0.0003 J	6.4 J
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
1,2,4-Trimethylbenzene	3.6	52	3.6	ND (0.0022) J	0.062 J	0.0043	0.0038	2.1 J
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0034) J	ND (0.19)	ND (0.0038)	ND (0.0024)	ND (0.36)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.0011) J	ND (0.064)	ND (0.0012)	ND (0.0008)	ND (0.12)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.0011) J	ND (0.064)	ND (0.0012)	ND (0.0008)	ND (0.12)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.0011) J	ND (0.064)	ND (0.0012)	ND (0.0008)	ND (0.12)
1,2-Dichloropropane	NA	NA	NA	ND (0.0011) J	ND (0.064)	ND (0.0012)	ND (0.0008)	ND (0.12)
1,3,5-Trimethylbenzene	8.4	52	8.4	ND (0.0022) J	0.031 J	0.0028	0.0014 J	0.45
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
1,3-Dichloropropane	NA	NA	NA	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
1,3-Dichloropropene	NA	NA	NA	ND (0.00056) J	ND (0.032)	ND (0.00063)	ND (0.0004)	ND (0.06)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
1,4-Diethylbenzene	NA	NA	NA	ND (0.0022) J	0.89	ND (0.0025)	ND (0.0016)	1.9 J
1,4-Dioxane	0.1	13	0.1	ND (0.09) J	ND (5.1)	ND (0.1)	ND (0.064)	ND (9.5)
2,2-Dichloropropane	NA	NA	NA	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	0.0086 J	ND (0.64)	ND (0.012)	ND (0.008)	ND (1.2)
2-Chlorotoluene	NA	NA	NA	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.011) J	ND (0.64)	ND (0.012)	ND (0.008)	ND (1.2)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	ND (0.0011) J	0.73	ND (0.0012)	ND (0.0008)	0.6 J
4-Chlorotoluene	NA	NA	NA	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0022) J	0.072 J	0.004	0.0024	2.4 J
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.011) J	ND (0.64)	ND (0.012)	ND (0.008)	ND (1.2)
Acetone	0.05	100	0.05	0.055 J	0.43 J	0.12	0.028	ND (1.2)
Acrylonitrile	NA	NA	NA	ND (0.0045) J	ND (0.26)	ND (0.005)	ND (0.0032)	ND (0.48)
Benzene	0.06	4.8	0.06	ND (0.00056) J	0.15	ND (0.00063)	0.0013	0.79 J
Bromobenzene	NA	NA	NA	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
Bromodichloromethane	NA	NA	NA	ND (0.00056) J	ND (0.032)	ND (0.00063)	ND (0.0004)	ND (0.06)
Bromoform	NA	NA	NA	ND (0.0045) J	ND (0.26)	ND (0.005)	ND (0.0032)	ND (0.48)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
Carbon disulfide	NA	NA	NA	ND (0.011) J	ND (0.64)	ND (0.012)	ND (0.008)	ND (1.2)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.0011) J	ND (0.064)	ND (0.0012)	ND (0.0008)	ND (0.12)
Chlorobenzene	1.1	100	1.1	ND (0.00056) J	ND (0.032)	ND (0.00063)	ND (0.0004)	ND (0.06)
Chlorobromomethane	NA	NA	NA	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
Chloroethane	NA	NA	NA	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
Chloroform (Trichloromethane)	0.37	49	0.37	ND (0.0017) J	ND (0.096)	ND (0.0019)	ND (0.0012)	ND (0.18)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0045) J	ND (0.26)	ND (0.005)	ND (0.0032)	ND (0.48)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.0011) J	ND (0.064)	ND (0.0012)	ND (0.0008)	ND (0.12)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00056) J	ND (0.032)	ND (0.00063)	ND (0.0004)	ND (0.06)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.0011) J	0.018 J	ND (0.0012)	ND (0.0008)	0.032 J
Dibromochloromethane	NA	NA	NA	ND (0.0011) J	ND (0.064)	ND (0.0012)	ND (0.0008)	ND (0.12)
Dibromomethane	NA	NA	NA	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.011) J	ND (0.64)	ND (0.012)	ND (0.008)	ND (1.2)
Ethyl Ether	NA	NA	NA	ND (0.0022) J	ND (0.13)	ND (0.0025)	ND (0.0016)	ND (0.24)
Ethylbenzene	1	41	1	0.00031 J	0.11	0.00074 J	0.0004 J	1.6 J
Hexachlorobutadiene	NA	NA	NA	ND (0.0045) J	ND (0.26)	ND (0.005)	ND (0.0032)	ND (0.48)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.0011) J	0.82	0.00016 J	ND (0.0008)	0.53 J
m,p-Xylenes	NA	NA	NA	ND (0.0022) J	0.15	0.0048	0.0027	4.5
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	ND (0.0022) J	ND (0.13)	ND (0.0025)	0.003	0.096 J
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (0.0056) J	ND (0.32)	ND (0.0063)	ND (0.004)	ND (0.6)
Naphthalene	12	100	12	ND (0.0045) J	0.25 J	ND (0.005)	0.0015 J	1.5
n-Butylbenzene	12	100	12	ND (0.0011) J	1.2	ND (0.0012)	ND (0.0008)	1.5
n-Propylbenzene	3.9	100	3.9	ND (0.0011) J	2	0.00032 J	0.00018 J	3
o-Xylene	NA	NA	NA	ND (0.0011) J	0.03 J	0.0049	0.0024	0.92
Styrene	NA	NA	NA	ND (0.0011) J	ND (0.064)	ND (0.0012)	ND (0.0008)	ND (0.12)
tert-Butylbenzene	5.9	100	5.9	ND (0.0022) J	0.02 J	ND (0.0025)	ND (0.0016)	0.022 J
Tetrachloroethene	1.3	19	1.3	ND (0.00056) J	ND (0.032)	ND (0.00063)	ND (0.0004)	ND (0.06)
Toluene	0.7	100	0.7	ND (0.0011) J	0.064	0.002	0.0012	2.9
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0017) J	ND (0.096)	ND (0.0019)	ND (0.0012)	ND (0.18)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.0011) J	ND (0.064)	ND (0.0012)	ND (0.0008)	ND (0.12)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0056) J	ND (0.32)	ND (0.0063)	ND (0.004)	ND (0.6)
Trichloroethene	0.47	21	0.47	ND (0.00056) J	ND (0.032)	ND (0.00063)	ND (0.0004)	ND (0.06)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0045) J	ND (0.26)	ND (0.005)	ND (0.0032)	ND (0.48)
Vinyl acetate	NA	NA	NA	ND (0.011) J	ND (0.64)	ND (0.012)	ND (0.008)	ND (1.2)
Vinyl chloride	0.02	0.9	0.02	ND (0.0011) J	ND (0.064)	ND (0.0012)	ND (0.0008)	ND (0.12)
Xylene (Total)	1.6	100	0.26	ND (0.0011) J	0.18 J	0.0097	0.0051	5.4

ABBREVIATIONS AND NOTES:

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bgs: below ground surface

ft: feet

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ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater (PGW) SCO's.

- ***Bold italic*** values indicate an exceedance of the Protection of Groundwater Criteria.

- ***Bold italic*** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-19 DUP_1_02082023 02/08/2023 L2306883-27 L2310952-46 10 - 12 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.034)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.034)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.034)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.068)
1,1-Dichloroethane	0.27	26	0.27	ND (0.068)
1,1-Dichloroethene	0.33	100	0.33	ND (0.068)
1,1-Dichloropropene	NA	NA	NA	ND (0.034)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.14)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.14)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	0.58 J
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.14)
1,2,4-Trimethylbenzene	3.6	52	3.6	ND (0.14) J
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.2)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.068)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.14)
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.068)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.068)
1,2-Dichloropropane	NA	NA	NA	ND (0.068)
1,3,5-Trimethylbenzene	8.4	52	8.4	ND (0.14)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.14)
1,3-Dichloropropane	NA	NA	NA	ND (0.14)
1,3-Dichloropropene	NA	NA	NA	ND (0.034)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.14)
1,4-Diethylbenzene	NA	NA	NA	0.26 J
1,4-Dioxane	0.1	13	0.1	ND (5.4)
2,2-Dichloropropane	NA	NA	NA	ND (0.14)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	ND (0.68)
2-Chlorotoluene	NA	NA	NA	ND (0.14)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.68)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	0.18 J
4-Chlorotoluene	NA	NA	NA	ND (0.14)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.14) J
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.68)
Acetone	0.05	100	0.05	ND (0.68)
Acrylonitrile	NA	NA	NA	ND (0.27)
Benzene	0.06	4.8	0.06	0.014 J
Bromobenzene	NA	NA	NA	ND (0.14)
Bromodichloromethane	NA	NA	NA	ND (0.034)
Bromoform	NA	NA	NA	ND (0.27)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.14)
Carbon disulfide	NA	NA	NA	ND (0.68)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.068)
Chlorobenzene	1.1	100	1.1	ND (0.034)
Chlorobromomethane	NA	NA	NA	ND (0.14)
Chloroethane	NA	NA	NA	ND (0.14)
Chloroform (Trichloromethane)	0.37	49	0.37	ND (0.1)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.27)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.068)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.034)
Cymene (p-Isopropyltoluene)	NA	NA	NA	0.016 J
Dibromochloromethane	NA	NA	NA	ND (0.068)
Dibromomethane	NA	NA	NA	ND (0.14)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.68)
Ethyl Ether	NA	NA	NA	ND (0.14)
Ethylbenzene	1	41	1	0.089 J
Hexachlorobutadiene	NA	NA	NA	ND (0.27)
Isopropylbenzene (Cumene)	NA	NA	NA	0.39 J
m,p-Xylenes	NA	NA	NA	ND (0.14)
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	ND (0.14)
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (0.34)
Naphthalene	12	100	12	0.4
n-Butylbenzene	12	100	12	0.4
n-Propylbenzene	3.9	100	3.9	1.2
o-Xylene	NA	NA	NA	ND (0.068)
Styrene	NA	NA	NA	ND (0.068)
tert-Butylbenzene	5.9	100	5.9	ND (0.14)
Tetrachloroethene	1.3	19	1.3	ND (0.034)
Toluene	0.7	100	0.7	ND (0.068)
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.1)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.068)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.34)
Trichloroethene	0.47	21	0.47	ND (0.034)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.27)
Vinyl acetate	NA	NA	NA	ND (0.68)
Vinyl chloride	0.02	0.9	0.02	ND (0.068)
Xylene (Total)	1.6	100	0.26	ND (0.068)

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ft: feet

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NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

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- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-19	HA-19	HA-20	HA-20	HA-20	HA-20
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-19 (14-16)	HA-19 (20-22)	HA-20 (2-4)	HA-20 (6-8)	HA-20 (10-12)	HA-20 (14-16)
				02/08/2023	02/08/2023	02/10/2023	02/10/2023	02/10/2023	02/10/2023
				L2306883-20 L2310952-41	L2306883-21	L2307511-05 L2310952-24	L2307511-06 L2310952-25	L2307511-07 L2310952-26	L2307511-08
				14 - 16 (ft)	20 - 22 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)
Volatile Organic Compounds (mg/kg)									
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.2)	ND (0.00048)	ND (0.00055)	ND (0.00076)	ND (0.0006)	ND (0.0007)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.2)	ND (0.00048)	ND (0.00055)	ND (0.00076)	ND (0.0006)	ND (0.0007)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.2)	ND (0.00048)	ND (0.00055)	ND (0.00076)	ND (0.0006)	ND (0.0007)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.41)	ND (0.00095)	ND (0.0011)	ND (0.0015)	ND (0.0012)	ND (0.0014)
1,1-Dichloroethane	0.27	26	0.27	ND (0.41)	ND (0.00095)	ND (0.0011)	ND (0.0015)	ND (0.0012)	ND (0.0014)
1,1-Dichloroethene	0.33	100	0.33	ND (0.41)	ND (0.00095)	ND (0.0011)	ND (0.0015)	ND (0.0012)	ND (0.0014)
1,1-Dichloropropene	NA	NA	NA	ND (0.2)	ND (0.00048)	ND (0.00055)	ND (0.00076)	ND (0.0006)	ND (0.0007)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	82	0.0022	ND (0.0022)	ND (0.003)	0.0031	0.0022 J
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
1,2,4-Trimethylbenzene	3.6	52	3.6	0.97	ND (0.0019)	ND (0.0022)	ND (0.003)	0.0011 J	ND (0.0028)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (1.2)	ND (0.0028)	ND (0.0033)	ND (0.0046)	ND (0.0036)	ND (0.0042)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.41)	ND (0.00095)	ND (0.0011)	ND (0.0015)	ND (0.0012)	ND (0.0014)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.41)	ND (0.00095)	ND (0.0011)	ND (0.0015)	ND (0.0012)	ND (0.0014)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.41)	ND (0.00095)	ND (0.0011)	ND (0.0015)	ND (0.0012)	ND (0.0014)
1,2-Dichloropropane	NA	NA	NA	ND (0.41)	ND (0.00095)	ND (0.0011)	ND (0.0015)	ND (0.0012)	ND (0.0014)
1,3,5-Trimethylbenzene	8.4	52	8.4	0.31 J	ND (0.0019)	ND (0.0022)	ND (0.003)	0.00084 J	ND (0.0028)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
1,3-Dichloropropane	NA	NA	NA	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
1,3-Dichloropropene	NA	NA	NA	ND (0.2)	ND (0.00048)	ND (0.00055)	ND (0.00076)	ND (0.0006)	ND (0.0007)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
1,4-Diethylbenzene	NA	NA	NA	32	0.0008 J	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
1,4-Dioxane	0.1	13	0.1	ND (33)	ND (0.076)	ND (0.088)	ND (0.12)	ND (0.097)	ND (0.11)
2,2-Dichloropropane	NA	NA	NA	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	ND (4.1)	ND (0.0095)	ND (0.011)	ND (0.015)	ND (0.012)	0.0074 J
2-Chlorotoluene	NA	NA	NA	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (4.1)	ND (0.0095)	ND (0.011)	ND (0.015)	ND (0.012)	ND (0.014)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	23	0.00045 J	ND (0.0011)	ND (0.0015)	0.00091 J	ND (0.0014)
4-Chlorotoluene	NA	NA	NA	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	1	ND (0.0019)	ND (0.0022)	ND (0.003)	0.00083 J	ND (0.0028)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (4.1)	ND (0.0095)	ND (0.011)	ND (0.015)	ND (0.012)	ND (0.014)
Acetone	0.05	100	0.05	ND (4.1)	0.035	ND (0.012)	ND (0.016)	0.031	0.032
Acrylonitrile	NA	NA	NA	ND (1.6)	ND (0.0038)	ND (0.0044)	ND (0.0061)	ND (0.0048)	ND (0.0056)
Benzene	0.06	4.8	0.06	0.64	ND (0.00048)	0.00025 J	ND (0.00076)	0.0026	ND (0.0007)
Bromobenzene	NA	NA	NA	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
Bromodichloromethane	NA	NA	NA	ND (0.2)	ND (0.00048)	ND (0.00055)	ND (0.00076)	ND (0.0006)	ND (0.0007)
Bromoform	NA	NA	NA	ND (1.6)	ND (0.0038)	ND (0.0044)	ND (0.0061)	ND (0.0048)	ND (0.0056)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
Carbon disulfide	NA	NA	NA	ND (4.1)	ND (0.0095)	ND (0.011)	ND (0.015)	ND (0.012)	ND (0.014)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.41)	ND (0.00095)	ND (0.0011)	ND (0.0015)	ND (0.0012)	ND (0.0014)
Chlorobenzene	1.1	100	1.1	ND (0.2)	ND (0.00048)	ND (0.00055)	ND (0.00076)	ND (0.0006)	ND (0.0007)
Chlorobromomethane	NA	NA	NA	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
Chloroethane	NA	NA	NA	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
Chloroform (Trichloromethane)	0.37	49	0.37	ND (0.62)	ND (0.0014)	ND (0.0016)	ND (0.0023)	ND (0.0018)	ND (0.0021)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (1.6)	ND (0.0038)	ND (0.0044)	ND (0.0061)	ND (0.0048)	ND (0.0056)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.41)	ND (0.00095)	ND (0.0011)	ND (0.0015)	ND (0.0012)	ND (0.0014)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.2)	ND (0.00048)	ND (0.00055)	ND (0.00076)	ND (0.0006)	ND (0.0007)
Cymene (p-Isopropyltoluene)	NA	NA	NA	0.52	ND (0.00095)	ND (0.0011)	ND (0.0015)	ND (0.0012)	ND (0.0014)
Dibromochloromethane	NA	NA	NA	ND (0.41)	ND (0.00095)	ND (0.0011)	ND (0.0015)	ND (0.0012)	ND (0.0014)
Dibromomethane	NA	NA	NA	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (4.1)	ND (0.0095)	ND (0.011)	ND (0.015)	ND (0.012)	ND (0.014)
Ethyl Ether	NA	NA	NA	ND (0.82)	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
Ethylbenzene	1	41	1	4.4	0.00014 J	ND (0.0011)	ND (0.0015)	0.00064 J	ND (0.0014)
Hexachlorobutadiene	NA	NA	NA	ND (1.6)	ND (0.0038)	ND (0.0044)	ND (0.0061)	ND (0.0048)	ND (0.0056)
Isopropylbenzene (Cumene)	NA	NA	NA	42	0.00088 J	ND (0.0011)	ND (0.0015)	0.0012	ND (0.0014)
m,p-Xylenes	NA	NA	NA	1.3	ND (0.0019)	0.001 J	ND (0.003)	0.0025	ND (0.0028)
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	ND (0.82)	0.00048 J	ND (0.0022)	ND (0.003)	0.00057 J	0.00047 J
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (2)	ND (0.0048)	ND (0.0055)	ND (0.0076)	ND (0.006)	ND (0.007)
Naphthalene	12	100	12	25	0.0037 J	ND (0.0044)	ND (0.0061)	ND (0.0048)	ND (0.0056)
n-Butylbenzene	12	100	12	53	0.00093 J	ND (0.0011)	ND (0.0015)	ND (0.0012)	0.0012 J
n-Propylbenzene	3.9	100	3.9	160	0.0024	ND (0.0011)	ND (0.0015)	0.00047 J	ND (0.0014)
o-Xylene	NA	NA	NA	0.68	ND (0.00095)	0.00086 J	ND (0.0015)	0.0015	ND (0.0014)
Styrene	NA	NA	NA	ND (0.41)	ND (0.00095)	ND (0.0011)	ND (0.0015)	ND (0.0012)	ND (0.0014)
tert-Butylbenzene	5.9	100	5.9	1	ND (0.0019)	ND (0.0022)	ND (0.003)	ND (0.0024)	ND (0.0028)
Tetrachloroethene	1.3	19	1.3	ND (0.2)	ND (0.00048)	ND (0.00055)	ND (0.00076)	ND (0.0006)	ND (0.0007)
Toluene	0.7	100	0.7	0.43	ND (0.00095)	0.00061 J	ND (0.0015)	0.0014	ND (0.0014)
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.62)	ND (0.0014)	ND (0.0016)	ND (0.0023)	ND (0.0018)	ND (0.0021)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.41)	ND (0.00095)	ND (0.0011)	ND (0.0015)	ND (0.0012)	ND (0.0014)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (2)	ND (0.0048)	ND (0.0055)	ND (0.0076)	ND (0.006)	ND (0.007)
Trichloroethene	0.47	21	0.47	ND (0.2)	ND (0.00048)	ND (0.00055)	ND (0.00076)	ND (0.0006)	ND (0.0007)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (1.6)	ND (0.0038)	ND (0.0044)	ND (0.0061)	ND (0.0048)	ND (0.0056)
Vinyl acetate	NA	NA	NA	ND (4.1)	ND (0.0095)	ND (0.011)	ND (0.015)	ND (0.012)	ND (0.014)
Vinyl chloride	0.02	0.9	0.02	ND (0.41)	ND (0.00095)	ND (0.0011)	ND (0.0015)	ND (0.0012)	ND (0.0014)
Xylene (Total)	1.6	100	0.26	2	ND (0.00095)	0.0019 J	ND (0.0015)	0.004	ND (0.0014)

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater (PGW) SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-21	HA-21	HA-21	HA-21	HA-21
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-21 (2-4) 02/08/2023	HA-21 (6-8) 02/08/2023	HA-21 (10-12) 02/08/2023	HA-21 (14-16) 02/08/2023	HA-21 (20-22) 02/08/2023
				L2306883-22 L2310952-47	L2306883-23 L2310952-42	L2306883-24 L2310952-43	L2306883-25 L2310952-44	L2306883-26 L2310952-45
				2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	20 - 22 (ft)
Volatile Organic Compounds (mg/kg)								
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00053)	ND (0.00069)	ND (0.059)	ND (0.00073)	ND (0.00087)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00053)	ND (0.00069)	ND (0.059)	ND (0.00073)	ND (0.00087)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00053)	ND (0.00069)	ND (0.059)	ND (0.00073)	ND (0.00087)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.001)	ND (0.0014)	ND (0.12)	ND (0.0014)	ND (0.0017)
1,1-Dichloroethane	0.27	26	0.27	ND (0.001)	ND (0.0014)	ND (0.12)	ND (0.0014)	ND (0.0017)
1,1-Dichloroethene	0.33	100	0.33	ND (0.001)	ND (0.0014)	ND (0.12)	ND (0.0014)	ND (0.0017)
1,1-Dichloropropene	NA	NA	NA	ND (0.00053)	ND (0.00069)	ND (0.059)	ND (0.00073)	ND (0.00087)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	0.00028 J	ND (0.0028)	5.7	0.0031	0.00082 J
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
1,2,4-Trimethylbenzene	3.6	52	3.6	0.00092 J	ND (0.0028)	1.1	ND (0.0029)	ND (0.0035)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0032)	ND (0.0042)	ND (0.36)	ND (0.0044)	ND (0.0052)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.001)	ND (0.0014)	ND (0.12)	ND (0.0014)	ND (0.0017)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
1,2-Dichloroethane	0.02	3.1	0.02	ND (0.001)	ND (0.0014)	ND (0.12)	ND (0.0014)	ND (0.0017)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.001)	ND (0.0014)	ND (0.12)	ND (0.0014)	ND (0.0017)
1,2-Dichloropropane	NA	NA	NA	ND (0.001)	ND (0.0014)	ND (0.12)	ND (0.0014)	ND (0.0017)
1,3,5-Trimethylbenzene	8.4	52	8.4	0.001 J	ND (0.0028)	0.24	ND (0.0029)	ND (0.0035)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
1,3-Dichloropropane	NA	NA	NA	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
1,3-Dichloropropene	NA	NA	NA	ND (0.00053)	ND (0.00069)	ND (0.059)	ND (0.00073)	ND (0.00087)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
1,4-Diethylbenzene	NA	NA	NA	0.00077 J	ND (0.0028)	1.1	0.0014 J	0.00037 J
1,4-Dioxane	0.1	13	0.1	ND (0.084)	ND (0.11)	ND (9.5)	ND (0.12)	ND (0.14)
2,2-Dichloropropane	NA	NA	NA	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
2-Butanone (Methyl Ethyl Ketone)	0.12	100	0.12	ND (0.01)	ND (0.014)	ND (1.2)	ND (0.014)	ND (0.017)
2-Chlorotoluene	NA	NA	NA	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.01)	ND (0.014)	ND (1.2)	ND (0.014)	ND (0.017)
2-Phenylbutane (sec-Butylbenzene)	11	100	11	ND (0.001)	ND (0.0014)	0.4	0.0011 J	0.00035 J
4-Chlorotoluene	NA	NA	NA	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	0.00044 J	ND (0.0028)	0.63	ND (0.0029)	ND (0.0035)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.01)	ND (0.014)	ND (1.2)	ND (0.014)	ND (0.017)
Acetone	0.05	100	0.05	0.046	0.2	0.62 J	0.041	0.08
Acrylonitrile	NA	NA	NA	ND (0.0042)	ND (0.0055)	ND (0.47)	ND (0.0058)	ND (0.007)
Benzene	0.06	4.8	0.06	0.00023 J	0.00025 J	0.25	0.00035 J	ND (0.00087)
Bromobenzene	NA	NA	NA	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
Bromodichloromethane	NA	NA	NA	ND (0.00053)	ND (0.00069)	ND (0.059)	ND (0.00073)	ND (0.00087)
Bromoform	NA	NA	NA	ND (0.0042)	ND (0.0055)	ND (0.47)	ND (0.0058)	ND (0.007)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
Carbon disulfide	NA	NA	NA	ND (0.01)	ND (0.014)	ND (1.2)	ND (0.014)	ND (0.017)
Carbon tetrachloride	0.76	2.4	0.76	ND (0.001)	ND (0.0014)	ND (0.12)	ND (0.0014)	ND (0.0017)
Chlorobenzene	1.1	100	1.1	ND (0.00053)	ND (0.00069)	ND (0.059)	ND (0.00073)	ND (0.00087)
Chlorobromomethane	NA	NA	NA	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
Chloroethane	NA	NA	NA	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
Chloroform (Trichloromethane)	0.37	49	0.37	ND (0.0016)	ND (0.0021)	ND (0.18)	ND (0.0022)	ND (0.0026)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0042)	ND (0.0055)	ND (0.47)	ND (0.0058)	ND (0.007)
cis-1,2-Dichloroethene	0.25	100	0.25	ND (0.001)	ND (0.0014)	ND (0.12)	ND (0.0014)	ND (0.0017)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00053)	ND (0.00069)	ND (0.059)	ND (0.00073)	ND (0.00087)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.001)	ND (0.0014)	0.028 J	ND (0.0014)	ND (0.0017)
Dibromochloromethane	NA	NA	NA	ND (0.001)	ND (0.0014)	ND (0.12)	ND (0.0014)	ND (0.0017)
Dibromomethane	NA	NA	NA	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.01)	ND (0.014)	ND (1.2)	ND (0.014)	ND (0.017)
Ethyl Ether	NA	NA	NA	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
Ethylbenzene	1	41	1	ND (0.001)	ND (0.0014)	0.4	0.0025	0.00064 J
Hexachlorobutadiene	NA	NA	NA	ND (0.0042)	ND (0.0055)	ND (0.47)	ND (0.0058)	ND (0.007)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.001)	ND (0.0014)	0.076 J	0.0024	0.00094 J
m,p-Xylenes	NA	NA	NA	0.00068 J	ND (0.0028)	1.4	ND (0.0029)	ND (0.0035)
Methyl Tert Butyl Ether (MTBE)	0.93	100	0.93	ND (0.0021)	0.00098 J	ND (0.24)	0.001 J	0.00038 J
Methylene chloride (Dichloromethane)	0.05	100	0.05	ND (0.0053)	ND (0.0069)	ND (0.59)	ND (0.0073)	ND (0.0087)
Naphthalene	12	100	12	0.0018 J	0.0024 J	3.9	ND (0.0058)	ND (0.007)
n-Butylbenzene	12	100	12	ND (0.001)	ND (0.0014)	1.2	0.0024	0.00053 J
n-Propylbenzene	3.9	100	3.9	ND (0.001)	ND (0.0014)	0.81	0.0062	0.002
o-Xylene	NA	NA	NA	0.00034 J	ND (0.0014)	0.31	ND (0.0014)	ND (0.0017)
Styrene	NA	NA	NA	ND (0.001)	ND (0.0014)	ND (0.12)	ND (0.0014)	ND (0.0017)
tert-Butylbenzene	5.9	100	5.9	ND (0.0021)	ND (0.0028)	ND (0.24)	ND (0.0029)	ND (0.0035)
Tetrachloroethene	1.3	19	1.3	ND (0.00053)	ND (0.00069)	ND (0.059)	ND (0.00073)	ND (0.00087)
Toluene	0.7	100	0.7	ND (0.001)	ND (0.0014)	1	ND (0.0014)	ND (0.0017)
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0016)	ND (0.0021)	ND (0.18)	ND (0.0022)	ND (0.0026)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.001)	ND (0.0014)	ND (0.12)	ND (0.0014)	ND (0.0017)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0053)	ND (0.0069)	ND (0.59)	ND (0.0073)	ND (0.0087)
Trichloroethene	0.47	21	0.47	ND (0.00053)	ND (0.00069)	ND (0.059)	ND (0.00073)	ND (0.00087)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0042)	ND (0.0055)	ND (0.47)	ND (0.0058)	ND (0.007)
Vinyl acetate	NA	NA	NA	ND (0.01)	ND (0.014)	ND (1.2)	ND (0.014)	ND (0.017)
Vinyl chloride	0.02	0.9	0.02	ND (0.001)	ND (0.0014)	ND (0.12)	ND (0.0014)	ND (0.0017)
Xylene (Total)	1.6	100	0.26	0.001 J	ND (0.0014)	1.7	ND (0.0014)	ND (0.0017)

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater (PGW) SCO's.

- ***Bold italic*** values indicate an exceedance of the Protection of Groundwater Criteria.

- ***Bold italic*** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-01	HA-01	HA-01	HA-01	HA-02	HA-02
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-01 (2-4)	HA-01 (6-8)	HA-01 (10-12)	HA-01 (14-16)	HA-02 (2-4)	HA-02 (6-8)
				02/08/2023	02/08/2023	02/08/2023	02/08/2023	02/08/2023	02/08/2023
				L2306883-01 L2310952-27	L2306883-02 L2310952-28	L2306883-03 L2310952-29	L2306883-04	L2306883-05 L2310952-30	L2306883-06 L2310952-31
				2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
1,4-Dioxane	0.1	13	0.1	ND (0.031)	ND (0.029)	ND (0.032)	ND (0.086)	ND (0.03)	ND (0.029)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.25)	ND (0.23)	ND (0.26)	ND (0.69)	ND (0.24)	ND (0.23)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.34)	ND (0.12)	ND (0.12)
2,4-Dichlorophenol	NA	NA	NA	ND (0.19)	ND (0.17)	ND (0.19)	ND (0.52)	ND (0.18)	ND (0.18)
2,4-Dimethylphenol	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
2,4-Dinitrophenol	NA	NA	NA	ND (1)	ND (0.92)	ND (1)	ND (2.8)	ND (0.95)	ND (0.94)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
2-Chloronaphthalene	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
2-Chlorophenol	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
2-Methylnaphthalene	NA	NA	NA	0.033 J	ND (0.23)	ND (0.26)	ND (0.69)	0.12 J	0.056 J
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
2-Nitroaniline	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
2-Nitrophenol	NA	NA	NA	ND (0.45)	ND (0.41)	ND (0.46)	ND (1.2)	ND (0.42)	ND (0.42)
3&4-Methylphenol	0.33	100	0.33	ND (0.3)	ND (0.28)	ND (0.31)	ND (0.83)	0.031 J	ND (0.28)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
3-Nitroaniline	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.54)	ND (0.5)	ND (0.56)	ND (1.5)	ND (0.51)	ND (0.51)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
4-Chloroaniline	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
4-Nitroaniline	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
4-Nitrophenol	NA	NA	NA	ND (0.29)	ND (0.27)	ND (0.3)	ND (0.8)	ND (0.28)	ND (0.27)
Acenaphthene	98	100	20	ND (0.17)	ND (0.15)	ND (0.17)	ND (0.46)	0.42	0.087 J
Acenaphthylene	107	100	100	ND (0.17)	ND (0.15)	ND (0.17)	ND (0.46)	0.31	ND (0.16)
Acetophenone	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
Anthracene	1000	100	100	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.34)	1.2	0.11 J
Benzo(a)anthracene	1	1	1	0.13	ND (0.11)	ND (0.13)	0.58	4	0.32
Benzo(a)pyrene	22	1	1	0.12 J	ND (0.15)	ND (0.17)	0.6	3.8	0.28
Benzo(b)fluoranthene	1.7	1	1	0.14	ND (0.11)	ND (0.13)	0.64	4.2	0.33
Benzo(g,h,i)perylene	1000	100	100	0.072 J	ND (0.15)	ND (0.17)	0.32 J	2.2	0.17
Benzo(k)fluoranthene	1.7	3.9	0.8	0.043 J	ND (0.11)	ND (0.13)	0.24 J	1	0.11 J
Benzoic acid	NA	NA	NA	ND (0.68)	ND (0.62)	ND (0.69)	ND (1.9)	ND (0.64)	ND (0.63)
Benzyl Alcohol	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
Biphenyl	NA	NA	NA	ND (0.48)	ND (0.44)	ND (0.49)	ND (1.3)	0.041 J	ND (0.45)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.22)	ND (0.21)	ND (0.23)	ND (0.62)	ND (0.21)	ND (0.21)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.19)	ND (0.17)	ND (0.19)	ND (0.52)	ND (0.18)	ND (0.18)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
Butyl benzylphthalate (BBP)	NA	NA	NA	0.31	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
Carbazole	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	0.36	0.046 J
Chrysene	1	3.9	1	0.11 J	ND (0.11)	ND (0.13)	0.6	3.7	0.34
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.12)	ND (0.11)	ND (0.13)	0.08 J	0.54	0.042 J
Dibenzofuran	210	59	7	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	0.2	0.075 J
Diethyl phthalate	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
Dimethyl phthalate	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
Di-n-butylphthalate (DBP)	NA	NA	NA	0.043 J	ND (0.19)	ND (0.21)	ND (0.58)	0.049 J	ND (0.2)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
Fluoranthene	1000	100	100	0.25	ND (0.11)	ND (0.13)	1	7.5	0.76
Fluorene	386	100	30	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	0.44	0.046 J
Hexachlorobenzene	3.2	1.2	0.33	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.34)	ND (0.12)	ND (0.12)
Hexachlorobutadiene	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.6)	ND (0.55)	ND (0.61)	ND (1.6)	ND (0.56)	ND (0.56)
Hexachloroethane	NA	NA	NA	ND (0.17)	ND (0.15)	ND (0.17)	ND (0.46)	ND (0.16)	ND (0.16)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.083 J	ND (0.15)	ND (0.17)	0.38 J	2.4	0.18
Isophorone	NA	NA	NA	ND (0.19)	ND (0.17)	ND (0.19)	ND (0.52)	ND (0.18)	ND (0.18)
Naphthalene	12	100	12	0.061 J	ND (0.19)	ND (0.21)	ND (0.58)	0.28	0.087 J
Nitrobenzene	NA	NA	NA	ND (0.19)	ND (0.17)	ND (0.19)	ND (0.52)	ND (0.18)	ND (0.18)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.17)	ND (0.15)	ND (0.17)	ND (0.46)	ND (0.16)	ND (0.16)
Pentachlorophenol	0.8	6.7	0.8	ND (0.17)	ND (0.15)	ND (0.17)	ND (0.46)	ND (0.16)	ND (0.16)
Phenanthrene	1000	100	100	0.14	ND (0.11)	ND (0.13)	0.42	4.5	0.59
Phenol	0.33	100	0.33	ND (0.21)	ND (0.19)	ND (0.21)	ND (0.58)	ND (0.2)	ND (0.2)
Pyrene	1000	100	100	0.22	ND (0.11)	ND (0.13)	1.1	7.3	0.66

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- ***Bold italic*** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-02	HA-02	HA-03	HA-03	HA-03	HA-03
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-02 (10-12)	HA-02 (14-16)	HA-03 (2-4)	HA-03 (6-8)	HA-03 (10-12)	HA-03 (14-16)
				02/08/2023	02/08/2023	02/10/2023	02/10/2023	02/10/2023	02/10/2023
				L2306883-07	L2306883-08 L2310952-32	L2307511-01	L2307511-02 L2310952-22	L2307511-03 L2310952-23	L2307511-04
Semi-Volatile Organic Compounds (mg/kg)									
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
1,4-Dioxane	0.1	13	0.1	ND (0.03)	ND (0.029)	ND (0.026)	ND (0.033)	ND (0.028)	ND (0.028)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.24)	ND (0.23)	ND (0.21)	ND (0.27)	ND (0.23)	ND (0.22)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.12)	ND (0.11)	ND (0.1)	ND (0.13)	ND (0.11)	ND (0.11)
2,4-Dichlorophenol	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)	ND (0.17)
2,4-Dimethylphenol	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
2,4-Dinitrophenol	NA	NA	NA	ND (0.98)	ND (0.92)	ND (0.85)	ND (1.1)	ND (0.91)	ND (0.89)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
2-Chloronaphthalene	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
2-Chlorophenol	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
2-Methylnaphthalene	NA	NA	NA	ND (0.24)	0.54	ND (0.21)	0.06 J	0.36	0.13 J
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
2-Nitroaniline	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
2-Nitrophenol	NA	NA	NA	ND (0.44)	ND (0.41)	ND (0.38)	ND (0.48)	ND (0.41)	ND (0.4)
3&4-Methylphenol	0.33	100	0.33	ND (0.29)	0.073 J	ND (0.25)	ND (0.32)	0.032 J	ND (0.27)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
3-Nitroaniline	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.53)	ND (0.5)	ND (0.46)	ND (0.58)	ND (0.49)	ND (0.48)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
4-Chloroaniline	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
4-Nitroaniline	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
4-Nitrophenol	NA	NA	NA	ND (0.28)	ND (0.27)	ND (0.25)	ND (0.31)	ND (0.26)	ND (0.26)
Acenaphthene	98	100	20	0.034 J	0.02 J	ND (0.14)	0.044 J	4	ND (0.15)
Acenaphthylene	107	100	100	ND (0.16)	ND (0.15)	ND (0.14)	0.13 J	0.6	ND (0.15)
Acetophenone	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
Anthracene	1000	100	100	0.094 J	0.037 J	ND (0.1)	0.2	14	ND (0.11)
Benzo(a)anthracene	1	1	1	0.14	0.086 J	0.21	1.2	20	ND (0.11)
Benzo(a)pyrene	22	1	1	0.11 J	0.13 J	0.26	1.5	15	ND (0.15)
Benzo(b)fluoranthene	1.7	1	1	0.13	0.13	0.32	1.9	16	ND (0.11)
Benzo(g,h,i)perylene	1000	100	100	0.07 J	0.1 J	0.18	1.1	6.2	ND (0.15)
Benzo(k)fluoranthene	1.7	3.9	0.8	0.038 J	0.058 J	0.091 J	0.54	4	ND (0.11)
Benzoic acid	NA	NA	NA	ND (0.66)	ND (0.62)	ND (0.57)	ND (0.72)	ND (0.61)	ND (0.6)
Benzyl Alcohol	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
Biphenyl	NA	NA	NA	ND (0.46)	ND (0.44)	ND (0.4)	ND (0.51)	0.22 J	ND (0.42)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.22)	ND (0.21)	ND (0.19)	ND (0.24)	ND (0.2)	ND (0.2)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)	ND (0.17)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
Carbazole	NA	NA	NA	0.033 J	ND (0.19)	ND (0.18)	0.066 J	2.4	ND (0.18)
Chrysene	1	3.9	1	0.13	0.084 J	0.21	1.2	18	ND (0.11)
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.12)	0.031 J	0.04 J	0.25	1.8	ND (0.11)
Dibenzofuran	210	59	7	0.031 J	ND (0.19)	ND (0.18)	0.047 J	3	ND (0.18)
Diethyl phthalate	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
Dimethyl phthalate	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
Fluoranthene	1000	100	100	0.34	0.17	0.33	1.4	48	ND (0.11)
Fluorene	386	100	30	0.043 J	0.031 J	ND (0.18)	0.072 J	5.7	ND (0.18)
Hexachlorobenzene	3.2	1.2	0.33	ND (0.12)	ND (0.11)	ND (0.1)	ND (0.13)	ND (0.11)	ND (0.11)
Hexachlorobutadiene	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.5)	ND (0.64)	ND (0.54)	ND (0.53)
Hexachloroethane	NA	NA	NA	ND (0.16)	ND (0.15)	ND (0.14)	ND (0.18)	ND (0.15)	ND (0.15)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.075 J	0.11 J	0.19	1.2	8.6	ND (0.15)
Isophorone	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.16)	ND (0.2)	ND (0.17)	ND (0.17)
Naphthalene	12	100	12	0.026 J	0.69	ND (0.18)	0.16 J	0.4	0.48
Nitrobenzene	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.16)	ND (0.2)	0.13 J	ND (0.17)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.16)	ND (0.15)	ND (0.14)	ND (0.18)	ND (0.15)	ND (0.15)
Pentachlorophenol	0.8	6.7	0.8	ND (0.16)	ND (0.15)	ND (0.14)	ND (0.18)	ND (0.15)	ND (0.15)
Phenanthrene	1000	100	100	0.3	0.08 J	0.14	0.43	45	ND (0.11)
Phenol	0.33	100	0.33	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.22)	ND (0.19)	ND (0.18)
Pyrene	1000	100	100	0.27	0.14	0.3	1.4	40	ND (0.11)

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-04 HA-04 (2-4) 02/02/2023 L2305934-01 2 - 2 (ft)	HA-04 HA-04 (6-8) 02/02/2023 L2305934-02 6 - 8 (ft)	HA-04 DUP_1_02022023 02/02/2023 L2305934-09 6 - 8 (ft)	HA-04 HA-04 (10-12) 02/02/2023 L2305934-03 10 - 12 (ft)	HA-04 HA-04 (14-16) 02/02/2023 L2305934-04 14 - 16 (ft)	HA-05 HA-05 (2-4) 02/02/2023 L2305934-05 2 - 4 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
Semi-Volatile Organic Compounds (mg/kg)									
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
1,4-Dioxane	0.1	13	0.1	ND (0.026)	ND (0.03)	ND (0.031)	ND (0.033)	ND (0.15)	ND (0.027)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.21)	ND (0.24)	ND (0.24)	ND (0.27)	ND (1.2)	ND (0.22)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.13)	ND (0.6)	ND (0.11)
2,4-Dichlorophenol	NA	NA	NA	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.91)	ND (0.16)
2,4-Dimethylphenol	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
2,4-Dinitrophenol	NA	NA	NA	0.85 R	0.98 R	0.98 R	1.1 R	4.8 R	0.87 R
2,4-Dinitrotoluene	NA	NA	NA	0.18 R	0.2 R	0.2 R	0.22 R	1 R	0.18 R
2,6-Dinitrotoluene	NA	NA	NA	0.18 R	0.2 R	0.2 R	0.22 R	1 R	0.18 R
2-Chloronaphthalene	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
2-Chlorophenol	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
2-Methylnaphthalene	NA	NA	NA	0.048 J	ND (0.24)	0.15 J	ND (0.27)	ND (1.2)	0.15 J
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
2-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
2-Nitrophenol	NA	NA	NA	0.38 R	0.44 R	0.44 R	0.48 R	2.2 R	0.39 R
3&4-Methylphenol	0.33	100	0.33	ND (0.26)	ND (0.29)	ND (0.3)	0.16 J	ND (1.4)	ND (0.26)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
3-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
4,6-Dinitro-2-methylphenol	NA	NA	NA	0.46 R	0.53 R	0.53 R	0.58 R	2.6 R	0.47 R
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
4-Chloroaniline	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	it was	ND (1)	ND (0.18)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
4-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
4-Nitrophenol	NA	NA	NA	ND (0.25)	ND (0.28)	ND (0.29)	ND (0.31)	ND (1.4)	ND (0.25)
Acenaphthene	98	100	20	0.14	ND (0.16)	0.044 J	ND (0.18)	ND (0.81)	0.25
Acenaphthylene	107	100	100	0.18	ND (0.16)	ND (0.16)	ND (0.18)	ND (0.81)	0.19
Acetophenone	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
Anthracene	1000	100	100	0.36	ND (0.12)	0.043 J	ND (0.13)	ND (0.6)	0.49
Benzo(a)anthracene	1	1	1	1.5	ND (0.12)	0.1 J	0.034 J	ND (0.6)	1.3
Benzo(a)pyrene	22	1	1	1.8	ND (0.16)	0.12 J	ND (0.18)	ND (0.81)	1.4
Benzo(b)fluoranthene	1.7	1	1	2.2	0.034 J	0.14	0.055 J	ND (0.6)	1.7
Benzo(g,h,i)perylene	1000	100	100	1	ND (0.16)	0.074 J	0.051 J	ND (0.81)	0.8
Benzo(k)fluoranthene	1.7	3.9	0.8	0.63	ND (0.12)	0.048 J	ND (0.13)	ND (0.6)	0.49
Benzoic acid	NA	NA	NA	0.57 R	0.66 R	0.66 R	0.72 R	3.3 R	0.59 R
Benzyl Alcohol	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
Biphenyl	NA	NA	NA	ND (0.4)	ND (0.46)	ND (0.47)	ND (0.51)	ND (2.3)	0.032 J
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.19)	ND (0.22)	ND (0.22)	ND (0.24)	ND (1.1)	ND (0.2)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.91)	ND (0.16)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	0.46	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	0.1 J
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
Carbazole	NA	NA	NA	0.18	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	0.13 J
Chrysene	1	3.9	1	1.6	0.029 J	0.12	0.032 J	ND (0.6)	1.2
Dibenz(a,h)anthracene	1000	0.33	0.33	0.23	ND (0.12)	ND (0.12)	ND (0.13)	ND (0.6)	0.17
Dibenzofuran	210	59	7	0.08 J	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	0.12 J
Diethyl phthalate	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
Dimethyl phthalate	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
Fluoranthene	1000	100	100	3.2	0.058 J	0.26 J	0.041 J	ND (0.6)	2.8
Fluorene	386	100	30	0.12 J	ND (0.2)	0.032 J	ND (0.22)	ND (1)	0.19
Hexachlorobenzene	3.2	1.2	0.33	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.13)	ND (0.6)	ND (0.11)
Hexachlorobutadiene	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
Hexachlorocyclopentadiene	NA	NA	NA	0.51 R	0.58 R	0.59 R	0.64 R	2.9 R	0.52 R
Hexachloroethane	NA	NA	NA	0.14 R	0.16 R	0.16 R	0.18 R	0.81 R	0.14 R
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	1.2	ND (0.16)	0.089 J	0.052 J	ND (0.81)	0.84
Isophorone	NA	NA	NA	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.91)	ND (0.16)
Naphthalene	12	100	12	0.1 J	ND (0.2)	0.22	ND (0.22)	ND (1)	0.23
Nitrobenzene	NA	NA	NA	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.91)	ND (0.16)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.14)	ND (0.16)	ND (0.16)	ND (0.18)	ND (0.81)	ND (0.14)
Pentachlorophenol	0.8	6.7	0.8	ND (0.14)	ND (0.16)	ND (0.16)	ND (0.18)	ND (0.81)	ND (0.14)
Phenanthrene	1000	100	100	1.6	0.04 J	0.21 J	ND (0.13)	ND (0.6)	2.2
Phenol	0.33	100	0.33	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.22)	ND (1)	ND (0.18)
Pyrene	1000	100	100	2.9	0.047 J	0.18 J	0.039 J	ND (0.6)	2.4

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
R: Rejected
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.
- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.
- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.
- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.
- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-05	HA-05	HA-05	HA-06	HA-06	HA-06
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-05 (6-8)	HA-05 (10-12)	HA-05 (14-16)	HA-06 (2-4)	HA-06 (6-8)	HA-06 (10-12)
				02/02/2023	02/02/2023	02/02/2023	02/01/2023	02/01/2023	02/01/2023
				L2305934-06	L2305934-07	L2305934-08	L2305570-01	L2305570-02	L2305570-03
				6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
1,4-Dioxane	0.1	13	0.1	ND (0.029)	ND (0.029)	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.029)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.23)	ND (0.23)	ND (0.22)	ND (0.24)	ND (0.22)	ND (0.23)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)
2,4-Dichlorophenol	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.17)
2,4-Dimethylphenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
2,4-Dinitrophenol	NA	NA	NA	0.92 R	0.93 R	0.9 R	ND (0.94)	ND (0.89)	ND (0.93)
2,4-Dinitrotoluene	NA	NA	NA	0.19 R	0.19 R	0.19 R	ND (0.2)	ND (0.18)	ND (0.19)
2,6-Dinitrotoluene	NA	NA	NA	0.19 R	0.19 R	0.19 R	ND (0.2)	ND (0.18)	ND (0.19)
2-Chloronaphthalene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
2-Chlorophenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
2-Methylnaphthalene	NA	NA	NA	ND (0.23)	0.028 J	ND (0.22)	0.14 J	ND (0.22)	0.055 J
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
2-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
2-Nitrophenol	NA	NA	NA	0.41 R	0.42 R	0.4 R	ND (0.42)	ND (0.4)	ND (0.42)
3&4-Methylphenol	0.33	100	0.33	ND (0.28)	ND (0.28)	ND (0.27)	0.046 J	ND (0.27)	ND (0.28)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
3-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
4,6-Dinitro-2-methylphenol	NA	NA	NA	0.5 R	0.5 R	0.49 R	ND (0.51)	ND (0.48)	ND (0.5)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
4-Chloroaniline	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	0.2 R	0.18 R	0.19 R
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
4-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
4-Nitrophenol	NA	NA	NA	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.27)	ND (0.26)	ND (0.27)
Acenaphthene	98	100	20	ND (0.15)	0.027 J	ND (0.15)	0.49	ND (0.15)	0.096 J
Acenaphthylene	107	100	100	ND (0.15)	ND (0.16)	ND (0.15)	0.3	ND (0.15)	0.042 J
Acetophenone	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
Anthracene	1000	100	100	ND (0.11)	0.062 J	ND (0.11)	0.98	0.049 J	0.22
Benzo(a)anthracene	1	1	1	0.09 J	0.16	ND (0.11)	3.5	0.19	0.28
Benzo(a)pyrene	22	1	1	0.087 J	0.16	ND (0.15)	3.1	0.24	0.23
Benzo(b)fluoranthene	1.7	1	1	0.1 J	0.18	ND (0.11)	3.4	0.27	0.26
Benzo(g,h,i)perylene	1000	100	100	0.045 J	0.08 J	ND (0.15)	1.8	0.08 J	0.1 J
Benzo(k)fluoranthene	1.7	3.9	0.8	0.035 J	0.056 J	ND (0.11)	1.2	0.09 J	0.09 J
Benzoic acid	NA	NA	NA	0.62 R	0.63 R	0.61 R	ND (0.64)	ND (0.6)	ND (0.63)
Benzyl Alcohol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
Biphenyl	NA	NA	NA	ND (0.44)	ND (0.44)	ND (0.43)	0.042 J	ND (0.42)	ND (0.44)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.21)	ND (0.21)	ND (0.2)	ND (0.21)	ND (0.2)	ND (0.21)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.17)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
Carbazole	NA	NA	NA	0.02 J	0.041 J	ND (0.19)	0.42	0.02 J	0.11 J
Chrysene	1	3.9	1	0.088 J	0.17	ND (0.11)	3.6	0.17	0.26
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.11)	0.023 J	ND (0.11)	0.41	0.024 J	0.034 J
Dibenzofuran	210	59	7	ND (0.19)	0.027 J	ND (0.19)	0.25	ND (0.18)	0.096 J
Diethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
Dimethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
Fluoranthene	1000	100	100	0.18	0.32	ND (0.11)	6.3	0.36	0.68
Fluorene	386	100	30	ND (0.19)	0.041 J	ND (0.19)	0.41	ND (0.18)	0.12 J
Hexachlorobenzene	3.2	1.2	0.33	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.12)
Hexachlorobutadiene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
Hexachlorocyclopentadiene	NA	NA	NA	0.55 R	0.55 R	0.54 R	ND (0.56)	ND (0.53)	ND (0.56)
Hexachloroethane	NA	NA	NA	0.15 R	0.16 R	0.15 R	ND (0.16)	ND (0.15)	ND (0.16)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.05 J	0.085 J	ND (0.15)	2	0.099 J	0.12 J
Isophorone	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.17)
Naphthalene	12	100	12	ND (0.19)	0.043 J	ND (0.19)	0.26	0.033 J	0.15 J
Nitrobenzene	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.17)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)
Pentachlorophenol	0.8	6.7	0.8	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)
Phenanthrene	1000	100	100	0.16	0.32	ND (0.11)	5.8	0.21	0.79
Phenol	0.33	100	0.33	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.18)	ND (0.19)
Pyrene	1000	100	100	0.16	0.28	ND (0.11)	6.3	0.32	0.54

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
R: Rejected
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.
- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.
- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.
- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.
- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-06	HA-07	HA-07	HA-07	HA-07	HA-08
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-06 (14-16)	HA-07 (2-4)	HA-07 (6-8)	HA-07 (10-12)	HA-07 (14-16)	HA-08 (2-4)
				02/01/2023	02/09/2023	02/09/2023	02/09/2023	02/09/2023	02/01/2023
				L2305570-04	L2307196-01 L2310952-10	L2307196-02 L2310952-11	L2307196-03 L2310952-12	L2307196-04 L2310952-13	L2305570-05
Semi-Volatile Organic Compounds (mg/kg)									
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
1,4-Dioxane	0.1	13	0.1	ND (0.029)	ND (0.029)	ND (0.032)	ND (0.035)	ND (0.028)	ND (0.027)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.23)	ND (0.23)	ND (0.26)	ND (0.28)	ND (0.22)	ND (0.22)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.12)	ND (0.12)	ND (0.13)	ND (0.14) J	ND (0.11)	ND (0.11)
2,4-Dichlorophenol	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.21) J	ND (0.17)	ND (0.16)
2,4-Dimethylphenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
2,4-Dinitrophenol	NA	NA	NA	ND (0.92)	ND (0.93)	ND (1)	ND (1.1) J	ND (0.89)	ND (0.87)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
2-Chloronaphthalene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
2-Chlorophenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
2-Methylnaphthalene	NA	NA	NA	0.25	0.2 J	ND (0.26)	0.2 J-	ND (0.22)	0.32
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
2-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
2-Nitrophenol	NA	NA	NA	ND (0.42)	ND (0.42)	ND (0.46)	ND (0.5) J	ND (0.4)	ND (0.39)
3&4-Methylphenol	0.33	100	0.33	0.15 J	0.048 J	ND (0.31)	ND (0.34) J	0.034 J	ND (0.26)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23)	ND (0.18)	ND (0.18)
3-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.5)	ND (0.51)	ND (0.55)	ND (0.61) J	ND (0.48)	ND (0.47)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
4-Chloroaniline	NA	NA	NA	0.19 R	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	0.18 R
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
4-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
4-Nitrophenol	NA	NA	NA	ND (0.27)	ND (0.27)	ND (0.3)	ND (0.33) J	ND (0.26)	ND (0.25)
Acenaphthene	98	100	20	0.35	0.6	ND (0.17)	0.36 J-	0.025 J	1.1
Acenaphthylene	107	100	100	0.3	0.56	ND (0.17)	0.29 J-	ND (0.15)	0.37
Acetophenone	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
Anthracene	1000	100	100	1	1.6	ND (0.13)	0.94	0.063 J	2.8
Benzo(a)anthracene	1	1	1	1.4	4.9	0.026 J	2.6	0.5	6.6
Benzo(a)pyrene	22	1	1	1.1	5.5	ND (0.17)	2.5	1.1	8.4
Benzo(b)fluoranthene	1.7	1	1	1.2	6.5	ND (0.13)	3	0.97	9.4
Benzo(g,h,i)perylene	1000	100	100	0.49	2.8	ND (0.17)	1.5	0.6	4
Benzo(k)fluoranthene	1.7	3.9	0.8	0.46	2.2	ND (0.13)	0.86	0.38	2.7
Benzoic acid	NA	NA	NA	ND (0.62)	ND (0.63)	ND (0.69)	ND (0.76) J	ND (0.6)	ND (0.59)
Benzyl Alcohol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
Biphenyl	NA	NA	NA	0.069 J	0.061 J	ND (0.49)	0.038 J-	ND (0.42)	0.09 J
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.21)	ND (0.21)	ND (0.23)	ND (0.25) J	ND (0.2)	ND (0.2)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.21) J	ND (0.17)	ND (0.16)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.19)	0.94	ND (0.21)	ND (0.23)	ND (0.18)	0.069 J
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23)	ND (0.18)	ND (0.18)
Carbazole	NA	NA	NA	0.39	0.76	ND (0.21)	0.48	0.037 J	1
Chrysene	1	3.9	1	1.3	4.8	0.024 J	2.4	0.47	6
Dibenz(a,h)anthracene	1000	0.33	0.33	0.14	0.7	ND (0.13)	0.33	0.15	0.89
Dibenzofuran	210	59	7	0.42	0.42	ND (0.21)	0.26 J-	ND (0.18)	0.67
Diethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
Dimethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.19)	0.043 J	ND (0.21)	ND (0.23)	ND (0.18)	ND (0.18)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23)	ND (0.18)	ND (0.18)
Fluoranthene	1000	100	100	3.2	10	0.041 J	5.8	0.39	19
Fluorene	386	100	30	0.56	0.6	ND (0.21)	0.36 J-	ND (0.18)	1.1
Hexachlorobenzene	3.2	1.2	0.33	ND (0.12)	ND (0.12)	ND (0.13)	ND (0.14) J	ND (0.11)	ND (0.11)
Hexachlorobutadiene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.55)	ND (0.56)	ND (0.61)	ND (0.67) J	ND (0.53)	ND (0.52)
Hexachloroethane	NA	NA	NA	ND (0.15)	ND (0.16)	ND (0.17)	ND (0.19) J	ND (0.15)	ND (0.14)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.61	3.4	ND (0.17)	1.7	0.7	4.8
Isophorone	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.21) J	ND (0.17)	ND (0.16)
Naphthalene	12	100	12	0.58	0.41	ND (0.21)	0.24 J-	ND (0.18)	0.47
Nitrobenzene	NA	NA	NA	ND (0.17)	ND (0.18)	ND (0.19)	ND (0.21) J	ND (0.17)	ND (0.16)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.15)	ND (0.16)	ND (0.17)	ND (0.19) J	ND (0.15)	ND (0.14)
Pentachlorophenol	0.8	6.7	0.8	ND (0.15)	ND (0.16)	ND (0.17)	ND (0.19) J	ND (0.15)	ND (0.14)
Phenanthrene	1000	100	100	3.7	7.8	ND (0.13)	4.2	0.18	13
Phenol	0.33	100	0.33	0.042 J	ND (0.19)	ND (0.21)	ND (0.23) J	ND (0.18)	ND (0.18)
Pyrene	1000	100	100	2.5	8.2	0.033 J	4.9	0.41	16

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-08	HA-08	HA-08	HA-09	HA-09	HA-09
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-08 (6-8)	HA-08 (10-12)	HA-08 (14-16)	HA-09 (2-4)	HA-09 (6-8)	HA-09 (10-12)
				02/01/2023	02/01/2023	02/01/2023	02/09/2023	02/09/2023	02/09/2023
				L2305570-06	L2305570-07	L2305570-08	L2307196-05	L2307196-06 L2310952-14	L2307196-07
				6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
1,4-Dioxane	0.1	13	0.1	ND (0.027)	ND (0.033)	ND (0.11)	ND (0.028)	ND (0.031)	ND (0.03)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.22)	ND (0.26)	ND (0.87)	ND (0.22)	ND (0.25)	ND (0.24)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.11)	ND (0.13)	ND (0.43)	ND (0.11)	ND (0.12)	ND (0.12)
2,4-Dichlorophenol	NA	NA	NA	ND (0.16)	ND (0.2)	ND (0.65)	ND (0.17)	ND (0.19)	ND (0.18)
2,4-Dimethylphenol	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
2,4-Dinitrophenol	NA	NA	NA	ND (0.88)	ND (1.1)	ND (3.5)	ND (0.89)	ND (1)	ND (0.95)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
2-Chloronaphthalene	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
2-Chlorophenol	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
2-Methylnaphthalene	NA	NA	NA	ND (0.22)	0.034 J	0.1 J	ND (0.22)	0.11 J	ND (0.24)
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
2-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
2-Nitrophenol	NA	NA	NA	ND (0.39)	ND (0.48)	ND (1.6)	ND (0.4)	ND (0.45)	ND (0.43)
3&4-Methylphenol	0.33	100	0.33	ND (0.26)	1.4	0.33 J	ND (0.27)	ND (0.3)	ND (0.28)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
3-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.47)	ND (0.57)	ND (1.9)	ND (0.48)	ND (0.54)	ND (0.51)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
4-Chloroaniline	NA	NA	NA	0.18 R	0.22 R	0.72 R	ND (0.18) J	ND (0.21)	ND (0.2)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
4-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
4-Nitrophenol	NA	NA	NA	ND (0.26)	ND (0.31)	ND (1)	ND (0.26)	ND (0.29)	ND (0.28)
Acenaphthene	98	100	20	0.041 J	0.027 J	ND (0.58)	0.019 J	0.3	ND (0.16)
Acenaphthylene	107	100	100	ND (0.15)	ND (0.18)	ND (0.58)	ND (0.15)	0.34	ND (0.16)
Acetophenone	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
Anthracene	1000	100	100	0.11	ND (0.13)	ND (0.43)	ND (0.11)	0.93	ND (0.12)
Benzo(a)anthracene	1	1	1	0.21	0.086 J	ND (0.43)	0.12	3.3	0.11 J
Benzo(a)pyrene	22	1	1	0.18	0.062 J	ND (0.58)	0.13 J	3.8	0.12 J
Benzo(b)fluoranthene	1.7	1	1	0.2	0.076 J	ND (0.43)	0.14	4.3	0.13
Benzo(g,h,i)perylene	1000	100	100	0.068 J	0.077 J	ND (0.58)	0.06 J	2	0.065 J
Benzo(k)fluoranthene	1.7	3.9	0.8	0.072 J	ND (0.13)	ND (0.43)	0.062 J	1.5	0.048 J
Benzoic acid	NA	NA	NA	ND (0.59)	ND (0.72)	ND (2.3)	ND (0.6) J	ND (0.67)	ND (0.64)
Benzyl Alcohol	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
Biphenyl	NA	NA	NA	ND (0.42)	ND (0.5)	ND (1.6)	ND (0.42)	0.036 J	ND (0.45)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.2)	ND (0.24)	ND (0.78)	ND (0.2)	ND (0.22)	ND (0.21)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.16)	ND (0.2)	ND (0.65)	ND (0.17)	ND (0.19)	ND (0.18)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
Carbazole	NA	NA	NA	0.032 J	0.026 J	ND (0.72)	ND (0.18)	0.43	ND (0.2)
Chrysene	1	3.9	1	0.18	0.09 J	ND (0.43)	0.12	3.3	0.11 J
Dibenz(a,h)anthracene	1000	0.33	0.33	0.023 J	ND (0.13)	ND (0.43)	ND (0.11)	0.51	ND (0.12)
Dibenzofuran	210	59	7	0.018 J	0.036 J	ND (0.72)	ND (0.18)	0.24	ND (0.2)
Diethyl phthalate	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
Dimethyl phthalate	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
Fluoranthene	1000	100	100	0.4	0.2	0.1 J	0.25	7.2	0.24
Fluorene	386	100	30	0.044 J	0.042 J	ND (0.72)	ND (0.18)	0.29	ND (0.2)
Hexachlorobenzene	3.2	1.2	0.33	ND (0.11)	ND (0.13)	ND (0.43)	ND (0.11)	ND (0.12)	ND (0.12)
Hexachlorobutadiene	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.52)	ND (0.63)	ND (2.1)	ND (0.53)	ND (0.59)	ND (0.56)
Hexachloroethane	NA	NA	NA	ND (0.15)	ND (0.18)	ND (0.58)	ND (0.15)	ND (0.16)	ND (0.16)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.088 J	0.092 J	ND (0.58)	0.074 J	2.5	0.072 J
Isophorone	NA	NA	NA	ND (0.16)	ND (0.2)	ND (0.65)	ND (0.17)	ND (0.19)	ND (0.18)
Naphthalene	12	100	12	ND (0.18)	0.085 J	0.2 J	ND (0.18)	0.25	ND (0.2)
Nitrobenzene	NA	NA	NA	ND (0.16)	ND (0.2)	ND (0.65)	ND (0.17)	ND (0.19)	ND (0.18)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.18)	ND (0.22)	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.15)	ND (0.18)	ND (0.58)	ND (0.15)	ND (0.16)	ND (0.16)
Pentachlorophenol	0.8	6.7	0.8	ND (0.15)	ND (0.18)	ND (0.58)	ND (0.15)	ND (0.16)	ND (0.16)
Phenanthrene	1000	100	100	0.35	0.19	0.18 J	0.15	4.4	0.17
Phenol	0.33	100	0.33	ND (0.18)	0.079 J	ND (0.72)	ND (0.18)	ND (0.21)	ND (0.2)
Pyrene	1000	100	100	0.32	0.15	0.1 J	0.21	6.1	0.2

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-09	HA-10	HA-10	HA-10	HA-10	HA-11
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-09 (14-16)	HA-10 (2-4)	HA-10 (6-8)	HA-10 (10-12)	HA-10 (14-16)	HA-11 (2-4)
				02/09/2023	02/08/2023	02/08/2023	02/08/2023	02/08/2023	02/09/2023
				L2307196-08 L2310952-15	L2306883-09 L2310952-33	L2306883-10	L2306883-11 L2310952-34	L2306883-12 L2310952-35	L2307196-09 L2310952-16
				14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
1,4-Dioxane	0.1	13	0.1	ND (0.029)	ND (0.028)	ND (0.16)	ND (0.03)	ND (0.03)	ND (0.028)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.23)	ND (0.22)	ND (1.3)	ND (0.24)	ND (0.24)	ND (0.22)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.12)	ND (0.11)	ND (0.65)	ND (0.12)	ND (0.12)	ND (0.11)
2,4-Dichlorophenol	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.97)	ND (0.18)	ND (0.18)	ND (0.17)
2,4-Dimethylphenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
2,4-Dinitrophenol	NA	NA	NA	ND (0.93)	ND (0.9)	ND (5.2)	ND (0.95)	ND (0.96)	ND (0.9)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
2-Chloronaphthalene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
2-Chlorophenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
2-Methylnaphthalene	NA	NA	NA	ND (0.23)	0.04 J	ND (1.3)	ND (0.24)	ND (0.24)	0.046 J
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
2-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
2-Nitrophenol	NA	NA	NA	ND (0.42)	ND (0.4)	ND (2.3)	ND (0.43)	ND (0.43)	ND (0.41)
3&4-Methylphenol	0.33	100	0.33	ND (0.28)	ND (0.27)	ND (1.6)	ND (0.29)	ND (0.29)	ND (0.27)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
3-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.5)	ND (0.48)	ND (2.8)	ND (0.52)	ND (0.52)	ND (0.49)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
4-Chloroaniline	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
4-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
4-Nitrophenol	NA	NA	NA	ND (0.27)	ND (0.26)	ND (1.5)	ND (0.28)	ND (0.28)	ND (0.26)
Acenaphthene	98	100	20	ND (0.15)	0.087 J	ND (0.86)	ND (0.16)	ND (0.16)	0.15
Acenaphthylene	107	100	100	ND (0.15)	0.18	ND (0.86)	ND (0.16)	ND (0.16)	0.52
Acetophenone	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
Anthracene	1000	100	100	ND (0.12)	0.49	ND (0.65)	ND (0.12)	ND (0.12)	0.68
Benzo(a)anthracene	1	1	1	0.1 J	1.8	0.53 J	0.028 J	0.046 J	3.3
Benzo(a)pyrene	22	1	1	0.1 J	1.8	0.58 J	ND (0.16)	0.069 J	4.4
Benzo(b)fluoranthene	1.7	1	1	0.13	2	0.65	ND (0.12)	0.069 J	5.1
Benzo(g,h,i)perylene	1000	100	100	0.049 J	1.1	0.45 J	ND (0.16)	0.034 J	2.8
Benzo(k)fluoranthene	1.7	3.9	0.8	0.035 J	0.66	0.24 J	ND (0.12)	0.032 J	1.9
Benzoic acid	NA	NA	NA	ND (0.62)	ND (0.6)	ND (3.5)	ND (0.64)	ND (0.64)	ND (0.61)
Benzyl Alcohol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
Biphenyl	NA	NA	NA	ND (0.44)	ND (0.42)	ND (2.5)	ND (0.45)	ND (0.45)	ND (0.43)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.21)	ND (0.2)	ND (1.2)	ND (0.21)	ND (0.22)	ND (0.2)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.97)	ND (0.18)	ND (0.18)	ND (0.17)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
Carbazole	NA	NA	NA	ND (0.19)	0.11 J	ND (1.1)	ND (0.2)	ND (0.2)	0.35
Chrysene	1	3.9	1	0.097 J	1.7	0.47 J	0.022 J	0.058 J	3.3
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.12)	0.26	0.12 J	ND (0.12)	ND (0.12)	0.66
Dibenzofuran	210	59	7	ND (0.19)	0.05 J	ND (1.1)	ND (0.2)	ND (0.2)	0.079 J
Diethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
Dimethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
Fluoranthene	1000	100	100	0.19	3.6	0.77	0.041 J	0.1 J	6.8
Fluorene	386	100	30	ND (0.19)	0.094 J	ND (1.1)	ND (0.2)	ND (0.2)	0.17 J
Hexachlorobenzene	3.2	1.2	0.33	ND (0.12)	ND (0.11)	ND (0.65)	ND (0.12)	ND (0.12)	ND (0.11)
Hexachlorobutadiene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.55)	ND (0.53)	ND (3.1)	ND (0.57)	ND (0.57)	ND (0.54)
Hexachloroethane	NA	NA	NA	ND (0.15)	ND (0.15)	ND (0.86)	ND (0.16)	ND (0.16)	ND (0.15)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.062 J	1.2	0.48 J	ND (0.16)	0.039 J	3.2
Isophorone	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.97)	ND (0.18)	ND (0.18)	ND (0.17)
Naphthalene	12	100	12	ND (0.19)	0.1 J	ND (1.1)	ND (0.2)	ND (0.2)	0.12 J
Nitrobenzene	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.97)	ND (0.18)	ND (0.18)	ND (0.17)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.15)	ND (0.15)	ND (0.86)	ND (0.16)	ND (0.16)	ND (0.15)
Pentachlorophenol	0.8	6.7	0.8	ND (0.15)	ND (0.15)	ND (0.86)	ND (0.16)	ND (0.16)	ND (0.15)
Phenanthrene	1000	100	100	0.079 J	1.4	0.3 J	ND (0.12)	0.064 J	2.6
Phenol	0.33	100	0.33	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.2)	ND (0.2)	ND (0.19)
Pyrene	1000	100	100	0.15	3.2	0.69	0.034 J	0.09 J	5.6

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- ***Bold italic*** values indicate an exceedance of the Protection of Groundwater Criteria.

- ***Bold italic*** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-11	HA-11	HA-11	HA-12	HA-12	HA-12
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-11 (6-8)	HA-11 (10-12)	HA-11 (14-16)	HA-12 (2-4)	HA-12 (6-8)	HA-12 (10-12)
				02/09/2023	02/09/2023	02/09/2023	02/09/2023	02/09/2023	02/09/2023
				L2307196-10	L2307196-11 L2310952-17	L2307196-12 L2310952-18	L2307196-13 L2310952-19	L2307196-14 L2310952-20	L2307196-15 L2310952-21
				6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
1,4-Dioxane	0.1	13	0.1	ND (0.03)	ND (0.027)	ND (0.029)	ND (0.03)	ND (0.029)	ND (0.029)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.24)	ND (0.22)	ND (0.24)	ND (0.24)	ND (0.23)	ND (0.23)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)
2,4-Dichlorophenol	NA	NA	NA	ND (0.18)	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)
2,4-Dimethylphenol	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	0.16 J	0.084 J
2,4-Dinitrophenol	NA	NA	NA	ND (0.97)	ND (0.87)	ND (0.94)	ND (0.95)	ND (0.92)	ND (0.94)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
2-Chloronaphthalene	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
2-Chlorophenol	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
2-Methylnaphthalene	NA	NA	NA	ND (0.24)	0.034 J	ND (0.24)	ND (0.24)	3.4	1.7
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	0.16 J	0.11 J
2-Nitroaniline	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
2-Nitrophenol	NA	NA	NA	ND (0.44)	ND (0.39)	ND (0.42)	ND (0.43)	ND (0.41)	ND (0.42)
3&4-Methylphenol	0.33	100	0.33	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.28)	0.46	0.29
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
3-Nitroaniline	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.53)	ND (0.47)	ND (0.51)	ND (0.51)	ND (0.5)	ND (0.51)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
4-Chloroaniline	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
4-Nitroaniline	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
4-Nitrophenol	NA	NA	NA	ND (0.28)	ND (0.25)	ND (0.27)	ND (0.28)	ND (0.27)	ND (0.27)
Acenaphthene	98	100	20	ND (0.16)	ND (0.14)	ND (0.16)	ND (0.16)	7.1	3.6
Acenaphthylene	107	100	100	ND (0.16)	ND (0.14)	0.032 J	ND (0.16)	0.052 J	0.16
Acetophenone	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
Anthracene	1000	100	100	ND (0.12)	0.072 J	0.048 J	ND (0.12)	5.2	3.8
Benzo(a)anthracene	1	1	1	0.037 J	0.98	0.23	0.084 J	7.2	7.2
Benzo(a)pyrene	22	1	1	ND (0.16)	1.3	0.3	0.1 J	6.6	7.4
Benzo(b)fluoranthene	1.7	1	1	0.038 J	0.76	0.32	0.11 J	7.3	8.2
Benzo(g,h,i)perylene	1000	100	100	ND (0.16)	1.1	0.18	0.063 J	3.5	4
Benzo(k)fluoranthene	1.7	3.9	0.8	ND (0.12)	0.15	0.12	0.043 J	2.9	3.4
Benzoic acid	NA	NA	NA	ND (0.66)	ND (0.59)	ND (0.64)	ND (0.64)	ND (0.62)	ND (0.63)
Benzyl Alcohol	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
Biphenyl	NA	NA	NA	ND (0.46)	ND (0.41)	ND (0.45)	ND (0.45)	0.8	0.43 J
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.22)	ND (0.2)	ND (0.21)	ND (0.21)	ND (0.2)	ND (0.21)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.18)	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
Carbazole	NA	NA	NA	ND (0.2)	0.027 J	0.024 J	ND (0.2)	3.2	2.4
Chrysene	1	3.9	1	0.031 J	1.3	0.23	0.083 J	7.4	7.8
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.12)	0.41	0.042 J	ND (0.12)	0.96	1
Dibenzofuran	210	59	7	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	4.7	2.6
Diethyl phthalate	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
Dimethyl phthalate	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
Fluoranthene	1000	100	100	0.059 J	0.32	0.44	0.17	20	21
Fluorene	386	100	30	ND (0.2)	0.021 J	ND (0.2)	ND (0.2)	6	2.4
Hexachlorobenzene	3.2	1.2	0.33	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)
Hexachlorobutadiene	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.58)	ND (0.52)	ND (0.56)	ND (0.56)	ND (0.54)	ND (0.56)
Hexachloroethane	NA	NA	NA	ND (0.16)	ND (0.14)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	ND (0.16)	0.43	0.19	0.062 J	4	4.6
Isophorone	NA	NA	NA	ND (0.18)	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)
Naphthalene	12	100	12	ND (0.2)	0.027 J	ND (0.2)	ND (0.2)	7.5	4
Nitrobenzene	NA	NA	NA	ND (0.18)	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.16)	ND (0.14)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)
Pentachlorophenol	0.8	6.7	0.8	ND (0.16)	ND (0.14)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)
Phenanthrene	1000	100	100	0.045 J	0.28	0.19	0.1 J	29	24
Phenol	0.33	100	0.33	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.2)	0.22	0.16 J
Pyrene	1000	100	100	0.052 J	0.57	0.39	0.15	16	17

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.

- ***Bold italic*** values indicate an exceedance of the Protection of Groundwater Criteria.

- ***Bold italic*** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-12	HA-13	HA-13	HA-13	HA-13	HA-14
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-12 (14-16)	HA-13 (2-4)	HA-13 (6-8)	HA-13 (10-12)	HA-13 (14-16)	HA-14 (2-4)
				02/09/2023	02/13/2023	02/13/2023	02/13/2023	02/13/2023	02/01/2023
				L2307196-16	L2307677-01 L2310952-01	L2307677-02 L2310952-02	L2307677-03 L2310952-03	L2307677-04 L2310952-04	L2305570-09
Semi-Volatile Organic Compounds (mg/kg)									
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
1,4-Dioxane	0.1	13	0.1	ND (0.029)	0.027 R	0.028 R	0.032 R	0.039 R	ND (0.028)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.23)	0.22 R	0.22 R	0.26 R	0.32 R	ND (0.22)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.16)	ND (0.11)
2,4-Dichlorophenol	NA	NA	NA	ND (0.17)	ND (0.16)	ND (0.17)	ND (0.19)	ND (0.24)	ND (0.17)
2,4-Dimethylphenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
2,4-Dinitrophenol	NA	NA	NA	ND (0.93)	ND (0.88) J	ND (0.89)	ND (1)	ND (1.3)	ND (0.88)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
2-Chloronaphthalene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
2-Chlorophenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
2-Methylnaphthalene	NA	NA	NA	ND (0.23)	0.084 J	0.16 J	0.059 J	ND (0.32)	0.058 J
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
2-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
2-Nitrophenol	NA	NA	NA	ND (0.42)	ND (0.39)	ND (0.4)	ND (0.46)	ND (0.57)	ND (0.4)
3&4-Methylphenol	0.33	100	0.33	ND (0.28)	ND (0.26)	0.2 J	0.28 J	0.29 J	ND (0.26)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
3-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.5)	ND (0.48)	ND (0.48)	ND (0.56)	ND (0.68)	ND (0.48)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
4-Chloroaniline	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	0.18 R
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
4-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
4-Nitrophenol	NA	NA	NA	ND (0.27)	ND (0.26)	ND (0.26)	ND (0.3)	ND (0.37)	ND (0.26)
Acenaphthene	98	100	20	0.024 J	0.17	0.52	0.039 J	0.046 J	0.23
Acenaphthylene	107	100	100	ND (0.15)	0.07 J	0.16	0.077 J	0.081 J	0.21
Acetophenone	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
Anthracene	1000	100	100	ND (0.12)	0.44	0.94	0.12 J	0.17	0.63
Benzo(a)anthracene	1	1	1	0.094 J	1.5	1.9	0.34	0.63	2.2
Benzo(a)pyrene	22	1	1	0.097 J	1.6	2	0.41	0.77	2.1
Benzo(b)fluoranthene	1.7	1	1	0.11 J	1.8	2.1	0.47	0.8	2.5
Benzo(g,h,i)perylene	1000	100	100	0.062 J	0.9	0.82	0.21	0.4	1.3
Benzo(k)fluoranthene	1.7	3.9	0.8	0.038 J	0.72	0.87	0.19	0.32	0.74
Benzoic acid	NA	NA	NA	ND (0.63)	ND (0.59) J	ND (0.6)	ND (0.69)	ND (0.85)	ND (0.6)
Benzyl Alcohol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
Biphenyl	NA	NA	NA	ND (0.44)	0.024 J	0.054 J	ND (0.49)	ND (0.6)	ND (0.42)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.21)	ND (0.2)	ND (0.2)	ND (0.23)	ND (0.28)	ND (0.2)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.17)	ND (0.16)	ND (0.17)	ND (0.19)	ND (0.24)	ND (0.17)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	0.13 J	0.065 J	ND (0.18)	ND (0.21)	ND (0.26)	0.13 J
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
Carbazole	NA	NA	NA	ND (0.19)	0.12 J	0.31	0.11 J	0.088 J	0.28
Chrysene	1	3.9	1	0.091 J	1.4	1.8	0.4	0.65	2.2
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.12)	0.22	0.24	0.058 J	0.11 J	0.28
Dibenzofuran	210	59	7	ND (0.19)	0.12 J	0.33	0.092 J	0.049 J	0.12 J
Diethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
Dimethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	0.057 J
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
Fluoranthene	1000	100	100	0.2	3	4.7	0.93	1.3	4.2
Fluorene	386	100	30	ND (0.19)	0.15 J	0.46	0.091 J	0.074 J	0.23
Hexachlorobenzene	3.2	1.2	0.33	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.16)	ND (0.11)
Hexachlorobutadiene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.55)	ND (0.52)	ND (0.53)	ND (0.61)	ND (0.75)	ND (0.53)
Hexachloroethane	NA	NA	NA	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.17)	ND (0.21)	ND (0.15)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.065 J	1	1	0.26	0.48	1.4
Isophorone	NA	NA	NA	ND (0.17)	ND (0.16)	ND (0.17)	ND (0.19)	ND (0.24)	ND (0.17)
Naphthalene	12	100	12	ND (0.19)	0.16 J	0.45	0.19 J	0.07 J	0.11 J
Nitrobenzene	NA	NA	NA	ND (0.17)	ND (0.16)	ND (0.17)	ND (0.19)	ND (0.24)	ND (0.17)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.26)	ND (0.18)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.17)	ND (0.21)	ND (0.15)
Pentachlorophenol	0.8	6.7	0.8	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.17)	ND (0.21)	ND (0.15)
Phenanthrene	1000	100	100	0.17	1.9 J	3	0.8	0.79	2.9
Phenol	0.33	100	0.33	ND (0.19)	ND (0.18)	0.05 J	ND (0.21)	ND (0.26)	ND (0.18)
Pyrene	1000	100	100	0.17	2.5	3.9	0.75	1.1	3.9

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Bold italic** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-14	HA-14	HA-14	HA-15	HA-15	HA-15
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-14 (6-8)	HA-14 (10-12)	HA-14 (14-16)	HA-15 (2-4)	HA-15 (6-8)	HA-15 (10-12)
				02/01/2023	02/01/2023	02/01/2023	02/01/2023	02/01/2023	02/01/2023
				L2305570-10	L2305570-11	L2305570-12	L2305570-13	L2305570-14	L2305570-15
				6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
1,4-Dioxane	0.1	13	0.1	ND (0.029)	ND (0.028)	ND (0.11)	ND (0.026)	ND (0.028)	ND (0.1)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.23)	ND (0.22)	ND (0.89)	ND (0.21)	ND (0.22)	ND (0.81)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.12)	ND (0.11)	ND (0.44)	ND (0.11)	ND (0.11)	ND (0.4)
2,4-Dichlorophenol	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.66)	ND (0.16)	ND (0.16)	ND (0.6)
2,4-Dimethylphenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
2,4-Dinitrophenol	NA	NA	NA	ND (0.92)	ND (0.89)	ND (3.5)	ND (0.85)	ND (0.88)	ND (3.2)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
2-Chloronaphthalene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
2-Chlorophenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
2-Methylnaphthalene	NA	NA	NA	ND (0.23)	ND (0.22)	ND (0.89)	0.032 J	ND (0.22)	ND (0.81)
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
2-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
2-Nitrophenol	NA	NA	NA	ND (0.42)	ND (0.4)	ND (1.6)	ND (0.38)	ND (0.4)	ND (1.4)
3&4-Methylphenol	0.33	100	0.33	ND (0.28)	ND (0.26)	2	ND (0.25)	ND (0.26)	0.16 J
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
3-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.5)	ND (0.48)	ND (1.9)	ND (0.46)	ND (0.48)	ND (1.7)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
4-Chloroaniline	NA	NA	NA	0.19 R	0.18 R	0.74 R	0.18 R	0.18 R	0.67 R
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
4-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
4-Nitrophenol	NA	NA	NA	ND (0.27)	ND (0.26)	ND (1)	ND (0.25)	ND (0.26)	ND (0.94)
Acenaphthene	98	100	20	ND (0.15)	ND (0.15)	0.16 J	0.039 J	0.062 J	ND (0.54)
Acenaphthylene	107	100	100	ND (0.15)	ND (0.15)	ND (0.59)	0.051 J	0.03 J	ND (0.54)
Acetophenone	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
Anthracene	1000	100	100	ND (0.12)	ND (0.11)	0.37 J	0.14	0.14	ND (0.4)
Benzo(a)anthracene	1	1	1	0.051 J	0.051 J	0.71	0.52	0.39	0.24 J
Benzo(a)pyrene	22	1	1	0.05 J	0.046 J	0.79	0.67	0.34	0.19 J
Benzo(b)fluoranthene	1.7	1	1	0.058 J	0.044 J	0.86	0.81	0.38	0.25 J
Benzo(g,h,i)perylene	1000	100	100	0.031 J	0.023 J	0.32 J	0.3	0.17	0.1 J
Benzo(k)fluoranthene	1.7	3.9	0.8	ND (0.12)	ND (0.11)	0.37 J	0.29	0.14	ND (0.4)
Benzoic acid	NA	NA	NA	ND (0.62)	ND (0.6)	ND (2.4)	ND (0.57)	ND (0.6)	ND (2.2)
Benzyl Alcohol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
Biphenyl	NA	NA	NA	ND (0.44)	ND (0.42)	ND (1.7)	ND (0.4)	ND (0.42)	ND (1.5)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.21)	ND (0.2)	ND (0.8)	ND (0.19)	ND (0.2)	ND (0.73)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.66)	ND (0.16)	ND (0.16)	ND (0.6)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	0.073 J	ND (0.18)	ND (0.67)
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
Carbazole	NA	NA	NA	ND (0.19)	ND (0.18)	0.21 J	0.036 J	0.058 J	ND (0.67)
Chrysene	1	3.9	1	0.046 J	0.045 J	0.66	0.5	0.37	0.23 J
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.12)	ND (0.11)	0.093 J	0.072 J	0.046 J	ND (0.4)
Dibenzofuran	210	59	7	ND (0.19)	ND (0.18)	0.085 J	0.03 J	0.04 J	ND (0.67)
Diethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
Dimethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
Fluoranthene	1000	100	100	0.094 J	0.11	1.5	0.76	0.78	0.5
Fluorene	386	100	30	ND (0.19)	ND (0.18)	0.19 J	0.035 J	0.058 J	ND (0.67)
Hexachlorobenzene	3.2	1.2	0.33	ND (0.12)	ND (0.11)	ND (0.44)	ND (0.11)	ND (0.11)	ND (0.4)
Hexachlorobutadiene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.55)	ND (0.53)	ND (2.1)	ND (0.51)	ND (0.53)	ND (1.9)
Hexachloroethane	NA	NA	NA	ND (0.15)	ND (0.15)	ND (0.59)	ND (0.14)	ND (0.15)	ND (0.54)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.033 J	0.026 J	0.35 J	0.35	0.2	0.13 J
Isophorone	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.66)	ND (0.16)	ND (0.16)	ND (0.6)
Naphthalene	12	100	12	ND (0.19)	ND (0.18)	ND (0.74)	0.048 J	0.029 J	0.089 J
Nitrobenzene	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.66)	ND (0.16)	ND (0.16)	ND (0.6)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.15)	ND (0.15)	ND (0.59)	ND (0.14)	ND (0.15)	ND (0.54)
Pentachlorophenol	0.8	6.7	0.8	ND (0.15)	ND (0.15)	ND (0.59)	ND (0.14)	ND (0.15)	ND (0.54)
Phenanthrene	1000	100	100	0.07 J	0.1 J	1.4	0.48	0.6	0.49
Phenol	0.33	100	0.33	ND (0.19)	ND (0.18)	ND (0.74)	ND (0.18)	ND (0.18)	ND (0.67)
Pyrene	1000	100	100	0.083 J	0.092 J	1.2	0.75	0.68	0.4
ABBREVIATIONS AND NOTES:									
mg/kg: milligram per kilogram									
-: Not Analyzed									
bgs: below ground surface									
ft: feet									
J: Value is estimated.									
R: Rejected									
NA: Not Applicable									
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit									
- For test methods used, see the laboratory data sheets.									
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.									
- Bold italic values indicate an exceedance of the Protection of Groundwater Criteria.									
- Bold italic values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.									
- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.									
- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.									

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-15	HA-16	HA-16	HA-16	HA-16	HA-17
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-15 (14-16)	HA-16 (2-4)	HA-16 (6-8)	HA-16 (10-12)	HA-16 (14-16)	HA-17 (2-4)
				02/01/2023	02/01/2023	02/01/2023	02/01/2023	02/01/2023	02/08/2023
				L2305570-16	L2305570-17	L2305570-18	L2305570-19	L2305570-20	L2306883-13 L2310952-36
				14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
1,4-Dioxane	0.1	13	0.1	ND (0.096)	ND (0.027)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.029)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.77)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.23)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.38)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)
2,4-Dichlorophenol	NA	NA	NA	ND (0.58)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)
2,4-Dimethylphenol	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
2,4-Dinitrophenol	NA	NA	NA	ND (3.1)	ND (0.87)	ND (0.9)	ND (0.89)	ND (0.89)	ND (0.92)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
2-Chloronaphthalene	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
2-Chlorophenol	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
2-Methylnaphthalene	NA	NA	NA	ND (0.77)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.23)
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
2-Nitroaniline	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
2-Nitrophenol	NA	NA	NA	ND (1.4)	ND (0.39)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.42)
3&4-Methylphenol	0.33	100	0.33	ND (0.92)	ND (0.26)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.28)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
3-Nitroaniline	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (1.7)	ND (0.47)	ND (0.49)	ND (0.48)	ND (0.48)	ND (0.5)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
4-Chloroaniline	NA	NA	NA	0.64 R	0.18 R	0.19 R	0.18 R	0.19 R	ND (0.19)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
4-Nitroaniline	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
4-Nitrophenol	NA	NA	NA	ND (0.9)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.27)
Acenaphthene	98	100	20	ND (0.51)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)
Acenaphthylene	107	100	100	ND (0.51)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.15)	0.05 J
Acetophenone	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
Anthracene	1000	100	100	ND (0.38)	0.052 J	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)
Benzo(a)anthracene	1	1	1	ND (0.38)	0.28	0.044 J	ND (0.11)	ND (0.11)	0.14
Benzo(a)pyrene	22	1	1	ND (0.51)	0.26	0.047 J	ND (0.15)	ND (0.15)	0.24
Benzo(b)fluoranthene	1.7	1	1	ND (0.38)	0.3	0.059 J	ND (0.11)	ND (0.11)	0.25
Benzo(g,h,i)perylene	1000	100	100	ND (0.51)	0.16	0.034 J	ND (0.15)	ND (0.15)	0.2
Benzo(k)fluoranthene	1.7	3.9	0.8	ND (0.38)	0.11	ND (0.11)	ND (0.11)	ND (0.11)	0.1 J
Benzoic acid	NA	NA	NA	ND (2.1)	ND (0.58)	ND (0.61)	ND (0.6)	ND (0.6)	ND (0.62)
Benzyl Alcohol	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
Biphenyl	NA	NA	NA	ND (1.5)	ND (0.41)	ND (0.43)	ND (0.42)	ND (0.42)	ND (0.44)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.69)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.21)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.58)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
Carbazole	NA	NA	NA	ND (0.64)	0.023 J	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
Chrysene	1	3.9	1	ND (0.38)	0.29	0.045 J	ND (0.11)	ND (0.11)	0.15
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.38)	0.038 J	ND (0.11)	ND (0.11)	ND (0.11)	0.04 J
Dibenzofuran	210	59	7	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
Diethyl phthalate	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
Dimethyl phthalate	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
Fluoranthene	1000	100	100	ND (0.38)	0.53	0.064 J	ND (0.11)	ND (0.11)	0.2
Fluorene	386	100	30	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
Hexachlorobenzene	3.2	1.2	0.33	ND (0.38)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)
Hexachlorobutadiene	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
Hexachlorocyclopentadiene	NA	NA	NA	ND (1.8)	ND (0.52)	ND (0.54)	ND (0.53)	ND (0.53)	ND (0.55)
Hexachloroethane	NA	NA	NA	ND (0.51)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	ND (0.51)	0.17	0.035 J	ND (0.15)	ND (0.15)	0.2
Isophorone	NA	NA	NA	ND (0.58)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)
Naphthalene	12	100	12	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	0.033 J	ND (0.19)
Nitrobenzene	NA	NA	NA	ND (0.58)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.51)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)
Pentachlorophenol	0.8	6.7	0.8	ND (0.51)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)
Phenanthrene	1000	100	100	ND (0.38)	0.26	0.033 J	ND (0.11)	ND (0.11)	0.087 J
Phenol	0.33	100	0.33	ND (0.64)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)
Pyrene	1000	100	100	ND (0.38)	0.6	0.053 J	ND (0.11)	ND (0.11)	0.19

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.

- ***Bold italic*** values indicate an exceedance of the Protection of Groundwater Criteria.

- ***Bold italic*** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-17	HA-17	HA-17	HA-18	HA-18	HA-18
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-17 (6-8)	HA-17 (10-12)	HA-17 (14-16)	HA-18 (2-4)	HA-18 (6-8)	HA-18 (10-12)
				02/08/2023	02/08/2023	02/08/2023	02/13/2023	02/13/2023	
				L2306883-14	L2306883-15	L2306883-16 L2310952-37	L2307677-05 L2310952-05	L2307677-06 L2310952-06	L2307677-07 L2310952-07
				6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
1,4-Dioxane	0.1	13	0.1	ND (0.03)	ND (0.031)	ND (0.03)	0.028 R	0.029 R	0.033 R
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.24)	ND (0.25)	ND (0.24)	0.23 R	0.23 R	0.26 R
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)
2,4-Dichlorophenol	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.2)
2,4-Dimethylphenol	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
2,4-Dinitrophenol	NA	NA	NA	ND (0.98)	ND (0.98)	ND (0.97)	ND (0.91)	ND (0.93)	ND (1)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
2-Chloronaphthalene	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
2-Chlorophenol	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
2-Methylnaphthalene	NA	NA	NA	ND (0.24)	ND (0.25)	ND (0.24)	0.062 J	0.078 J	ND (0.26)
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
2-Nitroaniline	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
2-Nitrophenol	NA	NA	NA	ND (0.44)	ND (0.44)	ND (0.44)	ND (0.41)	ND (0.42)	ND (0.47)
3&4-Methylphenol	0.33	100	0.33	ND (0.29)	ND (0.3)	ND (0.29)	ND (0.27)	ND (0.28)	ND (0.31)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
3-Nitroaniline	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.49)	ND (0.5)	ND (0.57)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
4-Chloroaniline	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
4-Nitroaniline	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
4-Nitrophenol	NA	NA	NA	ND (0.28)	ND (0.29)	ND (0.28)	ND (0.27)	ND (0.27)	ND (0.3)
Acenaphthene	98	100	20	ND (0.16)	ND (0.16)	ND (0.16)	0.14 J	0.14 J	ND (0.17)
Acenaphthylene	107	100	100	ND (0.16)	ND (0.16)	ND (0.16)	0.11 J	0.04 J	ND (0.17)
Acetophenone	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	0.036 J	ND (0.22)
Anthracene	1000	100	100	ND (0.12)	ND (0.12)	0.042 J	0.72	0.29	ND (0.13)
Benzo(a)anthracene	1	1	1	ND (0.12)	ND (0.12)	0.067 J	1.8	0.97	0.14
Benzo(a)pyrene	22	1	1	ND (0.16)	ND (0.16)	0.068 J	1.9	1.1	0.16 J
Benzo(b)fluoranthene	1.7	1	1	ND (0.12)	ND (0.12)	0.063 J	2.1	1.3	0.19
Benzo(g,h,i)perylene	1000	100	100	ND (0.16)	ND (0.16)	0.031 J	1	0.68	0.1 J
Benzo(k)fluoranthene	1.7	3.9	0.8	ND (0.12)	ND (0.12)	ND (0.12)	0.69	0.45	0.07 J
Benzoic acid	NA	NA	NA	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.62)	ND (0.63)	ND (0.71)
Benzyl Alcohol	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
Biphenyl	NA	NA	NA	ND (0.46)	ND (0.47)	ND (0.46)	ND (0.43)	ND (0.44)	ND (0.5)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.2)	ND (0.21)	ND (0.24)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.2)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
Carbazole	NA	NA	NA	ND (0.2)	ND (0.2)	0.024 J	0.29	0.18 J	ND (0.22)
Chrysene	1	3.9	1	ND (0.12)	ND (0.12)	0.056 J	1.7	1.1	0.15
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.12)	ND (0.12)	ND (0.12)	0.25	0.16	0.027 J
Dibenzofuran	210	59	7	ND (0.2)	ND (0.2)	ND (0.2)	0.14 J	0.11 J	ND (0.22)
Diethyl phthalate	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
Dimethyl phthalate	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
Fluoranthene	1000	100	100	ND (0.12)	ND (0.12)	0.13	4	2.1	0.28 J
Fluorene	386	100	30	ND (0.2)	ND (0.2)	0.021 J	0.16 J	0.12 J	ND (0.22)
Hexachlorobenzene	3.2	1.2	0.33	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.13)
Hexachlorobutadiene	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.58)	ND (0.59)	ND (0.58)	ND (0.54)	ND (0.56)	ND (0.62)
Hexachloroethane	NA	NA	NA	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.17)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	ND (0.16)	ND (0.16)	0.035 J	1.2	0.78	0.12 J
Isophorone	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.2)
Naphthalene	12	100	12	ND (0.2)	ND (0.2)	ND (0.2)	0.12 J	0.12 J	ND (0.22)
Nitrobenzene	NA	NA	NA	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.2)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.17)
Pentachlorophenol	0.8	6.7	0.8	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.17)
Phenanthrene	1000	100	100	ND (0.12)	ND (0.12)	0.13	2.8	1.8	0.16
Phenol	0.33	100	0.33	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.22)
Pyrene	1000	100	100	ND (0.12)	ND (0.12)	0.11 J	3.4	1.8	0.25 J

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
R: Rejected
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.
- ***Bold italic*** values indicate an exceedance of the Protection of Groundwater Criteria.
- ***Bold italic*** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.
- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.
- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-18	HA-18	HA-19	HA-19	HA-19
	Restricted Use Soil	Restricted	Unrestricted Use Soil	DUP_1_02132023	HA-18 (14-16)	HA-19 (2-4)	HA-19 (6-8)	HA-19 (10-12)
	Cleanup Objectives -	Residential Use Soil	Cleanup Objectives	02/13/2023	02/13/2023	02/08/2023	02/08/2023	02/08/2023
	Protection of	Cleanup Objectives		L2307677-09	L2307677-08	L2306883-17	L2306883-18	L2306883-19
	Groundwater			L2310952-09	L2310952-08	L2310952-38	L2310952-39	L2310952-40
Semi-Volatile Organic Compounds (mg/kg)								
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
1,4-Dioxane	0.1	13	0.1	0.028 R	0.03 R	ND (0.032)	ND (0.029)	ND (0.088)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	0.22 R	0.24 R	ND (0.26)	ND (0.23)	ND (0.71)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.35)
2,4-Dichlorophenol	NA	NA	NA	ND (0.16)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.53)
2,4-Dimethylphenol	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
2,4-Dinitrophenol	NA	NA	NA	ND (0.88)	ND (0.98)	ND (1)	ND (0.93)	ND (2.8)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
2-Chloronaphthalene	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
2-Chlorophenol	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
2-Methylnaphthalene	NA	NA	NA	ND (0.22)	0.73	0.063 J	0.065 J	3.1 J
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
2-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
2-Nitrophenol	NA	NA	NA	ND (0.4)	ND (0.44)	ND (0.46)	ND (0.42)	ND (1.3)
3&4-Methylphenol	0.33	100	0.33	ND (0.26)	ND (0.29)	ND (0.31)	ND (0.28)	0.18 J
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
3-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.48)	ND (0.53)	ND (0.55)	ND (0.5)	ND (1.5)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
4-Chloroaniline	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
4-Nitroaniline	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
4-Nitrophenol	NA	NA	NA	ND (0.26)	ND (0.28)	ND (0.3)	ND (0.27)	ND (0.82)
Acenaphthene	98	100	20	ND (0.15)	0.053 J	ND (0.17)	0.039 J	0.089 J
Acenaphthylene	107	100	100	ND (0.15)	ND (0.16)	ND (0.17)	0.13 J	ND (0.47)
Acetophenone	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
Anthracene	1000	100	100	ND (0.11)	ND (0.12)	0.08 J	0.25	0.12 J
Benzo(a)anthracene	1	1	1	0.021 J	0.086 J	0.29	0.73	0.5
Benzo(a)pyrene	22	1	1	ND (0.15)	0.13 J	0.34	0.8	0.77
Benzo(b)fluoranthene	1.7	1	1	ND (0.11)	0.12	0.43	0.89	0.73 J
Benzo(g,h,i)perylene	1000	100	100	ND (0.15)	0.077 J	0.31	0.6	0.68
Benzo(k)fluoranthene	1.7	3.9	0.8	ND (0.11)	0.054 J	0.16	0.31	0.22 J
Benzoic acid	NA	NA	NA	ND (0.59)	ND (0.66)	ND (0.69)	ND (0.63)	ND (1.9)
Benzyl Alcohol	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
Biphenyl	NA	NA	NA	ND (0.42)	0.029 J	ND (0.48)	ND (0.44)	ND (1.3)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.2)	ND (0.22)	ND (0.23)	ND (0.21)	ND (0.64)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.16)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.53)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
Carbazole	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	0.083 J	0.092 J
Chrysene	1	3.9	1	ND (0.11)	0.095 J	0.27	0.72	0.48
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.11)	0.026 J	0.067 J	0.12	0.12 J
Dibenzofuran	210	59	7	ND (0.18)	ND (0.2)	ND (0.21)	0.034 J	ND (0.59)
Diethyl phthalate	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
Dimethyl phthalate	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
Fluoranthene	1000	100	100	0.027 J	0.15	0.6	1.3	0.77 J
Fluorene	386	100	30	ND (0.18)	0.044 J	ND (0.21)	0.063 J	0.072 J
Hexachlorobenzene	3.2	1.2	0.33	ND (0.11)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.35)
Hexachlorobutadiene	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.52)	ND (0.58)	ND (0.61)	0.55 R	1.7 R
Hexachloroethane	NA	NA	NA	ND (0.15)	ND (0.16)	ND (0.17)	ND (0.15)	ND (0.47)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	ND (0.15)	0.096 J	0.31	0.64	0.68
Isophorone	NA	NA	NA	ND (0.16)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.53)
Naphthalene	12	100	12	ND (0.18)	2.2	0.07 J	0.099 J	4.1
Nitrobenzene	NA	NA	NA	ND (0.16)	ND (0.18)	ND (0.19)	ND (0.17)	ND (0.53)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.15)	ND (0.16)	ND (0.17)	ND (0.15)	ND (0.47)
Pentachlorophenol	0.8	6.7	0.8	ND (0.15)	ND (0.16)	ND (0.17)	ND (0.15)	ND (0.47)
Phenanthrene	1000	100	100	ND (0.11)	0.11 J	0.31	0.72	0.45
Phenol	0.33	100	0.33	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.59)
Pyrene	1000	100	100	0.023 J	0.13	0.46	1.2	0.81

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- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.
- ***Bold italic*** values indicate an exceedance of the Protection of Groundwater Criteria.
- ***Bold italic*** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.
- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.
- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-19
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	DUP_1_02082023
				02/08/2023
				L2306883-27
				L2310952-46
Semi-Volatile Organic Compounds (mg/kg)				
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.19)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.19)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.19)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.19)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.19)
1,4-Dioxane	0.1	13	0.1	ND (0.029)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.23)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.19)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.12)
2,4-Dichlorophenol	NA	NA	NA	ND (0.17)
2,4-Dimethylphenol	NA	NA	NA	ND (0.19)
2,4-Dinitrophenol	NA	NA	NA	ND (0.92)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.19)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.19)
2-Chloronaphthalene	NA	NA	NA	ND (0.19)
2-Chlorophenol	NA	NA	NA	ND (0.19)
2-Methylnaphthalene	NA	NA	NA	ND (0.23) J
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.19)
2-Nitroaniline	NA	NA	NA	ND (0.19)
2-Nitrophenol	NA	NA	NA	ND (0.41)
3&4-Methylphenol	0.33	100	0.33	ND (0.28)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.19)
3-Nitroaniline	NA	NA	NA	ND (0.19)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.5)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.19)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.19)
4-Chloroaniline	NA	NA	NA	ND (0.19)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.19)
4-Nitroaniline	NA	NA	NA	ND (0.19)
4-Nitrophenol	NA	NA	NA	ND (0.27)
Acenaphthene	98	100	20	ND (0.15)
Acenaphthylene	107	100	100	ND (0.15)
Acetophenone	NA	NA	NA	ND (0.19)
Anthracene	1000	100	100	ND (0.12)
Benzo(a)anthracene	1	1	1	ND (0.12)
Benzo(a)pyrene	22	1	1	ND (0.15)
Benzo(b)fluoranthene	1.7	1	1	ND (0.12) J
Benzo(g,h,i)perylene	1000	100	100	ND (0.15)
Benzo(k)fluoranthene	1.7	3.9	0.8	ND (0.12)
Benzoic acid	NA	NA	NA	ND (0.62)
Benzyl Alcohol	NA	NA	NA	ND (0.19)
Biphenyl	NA	NA	NA	ND (0.44)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.21)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.17)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.19)
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.19)
Carbazole	NA	NA	NA	ND (0.19)
Chrysene	1	3.9	1	ND (0.12)
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.12)
Dibenzofuran	210	59	7	ND (0.19)
Diethyl phthalate	NA	NA	NA	ND (0.19)
Dimethyl phthalate	NA	NA	NA	ND (0.19)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.19)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.19)
Fluoranthene	1000	100	100	ND (0.12) J
Fluorene	386	100	30	ND (0.19)
Hexachlorobenzene	3.2	1.2	0.33	ND (0.12)
Hexachlorobutadiene	NA	NA	NA	ND (0.19)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.55)
Hexachloroethane	NA	NA	NA	ND (0.15)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	ND (0.15)
Isophorone	NA	NA	NA	ND (0.17)
Naphthalene	12	100	12	ND (0.19)
Nitrobenzene	NA	NA	NA	ND (0.17)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.19)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.15)
Pentachlorophenol	0.8	6.7	0.8	ND (0.15)
Phenanthrene	1000	100	100	ND (0.12)
Phenol	0.33	100	0.33	ND (0.19)
Pyrene	1000	100	100	ND (0.12)

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- ***Bold italic*** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.
- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.
- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-19	HA-19	HA-20	HA-20	HA-20	HA-20
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-19 (14-16)	HA-19 (20-22)	HA-20 (2-4)	HA-20 (6-8)	HA-20 (10-12)	HA-20 (14-16)
				02/08/2023	02/08/2023	02/10/2023	02/10/2023	02/10/2023	02/10/2023
				L2306883-20 L2310952-41	L2306883-21	L2307511-05 L2310952-24	L2307511-06 L2310952-25	L2307511-07 L2310952-26	L2307511-08
				14 - 16 (ft)	20 - 22 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
1,4-Dioxane	0.1	13	0.1	ND (0.086)	ND (0.081)	ND (0.031)	ND (0.033)	ND (0.033)	ND (0.042)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.69)	ND (0.65)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.34)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.35)	ND (0.32)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.17)
2,4-Dichlorophenol	NA	NA	NA	ND (0.52)	ND (0.49)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.25)
2,4-Dimethylphenol	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
2,4-Dinitrophenol	NA	NA	NA	ND (2.8)	ND (2.6)	ND (0.98)	ND (1)	ND (1)	ND (1.4)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
2-Chloronaphthalene	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
2-Chlorophenol	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
2-Methylnaphthalene	NA	NA	NA	4.4	ND (0.65)	ND (0.25)	ND (0.26)	0.11 J	ND (0.34)
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
2-Nitroaniline	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
2-Nitrophenol	NA	NA	NA	ND (1.2)	ND (1.2)	ND (0.44)	ND (0.48)	ND (0.48)	ND (0.61)
3&4-Methylphenol	0.33	100	0.33	0.13 J	ND (0.78)	ND (0.3)	ND (0.32)	ND (0.32)	ND (0.41)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
3-Nitroaniline	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (1.5)	ND (1.4)	ND (0.53)	ND (0.57)	ND (0.57)	ND (0.74)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
4-Chloroaniline	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
4-Nitroaniline	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
4-Nitrophenol	NA	NA	NA	ND (0.81)	ND (0.76)	ND (0.29)	ND (0.31)	ND (0.31)	ND (0.4)
Acenaphthene	98	100	20	ND (0.46)	ND (0.43)	0.036 J	ND (0.18)	0.095 J	ND (0.23)
Acenaphthylene	107	100	100	ND (0.46)	ND (0.43)	0.066 J	ND (0.18)	ND (0.18)	ND (0.23)
Acetophenone	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
Anthracene	1000	100	100	ND (0.35)	ND (0.32)	0.13	ND (0.13)	0.44	ND (0.17)
Benzo(a)anthracene	1	1	1	0.12 J	ND (0.32)	0.68	0.11 J	0.97	0.083 J
Benzo(a)pyrene	22	1	1	0.15 J	ND (0.43)	0.81	0.11 J	0.99	0.086 J
Benzo(b)fluoranthene	1.7	1	1	0.14 J	ND (0.32)	0.94	0.13	0.99	0.094 J
Benzo(g,h,i)perylene	1000	100	100	0.13 J	ND (0.43)	0.52	0.051 J	0.46	0.043 J
Benzo(k)fluoranthene	1.7	3.9	0.8	ND (0.35)	ND (0.32)	0.32	0.052 J	0.33	ND (0.17)
Benzoic acid	NA	NA	NA	ND (1.9)	ND (1.8)	ND (0.66)	ND (0.72)	ND (0.71)	ND (0.92)
Benzyl Alcohol	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
Biphenyl	NA	NA	NA	ND (1.3)	ND (1.2)	ND (0.47)	ND (0.5)	ND (0.5)	ND (0.64)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.62)	ND (0.59)	ND (0.22)	ND (0.24)	ND (0.24)	ND (0.3)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.52)	ND (0.49)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.25)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
Carbazole	NA	NA	NA	ND (0.58)	ND (0.54)	0.04 J	0.028 J	0.24	ND (0.28)
Chrysene	1	3.9	1	0.1 J	ND (0.32)	0.67	0.12 J	0.95	0.086 J
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.35)	ND (0.32)	0.11 J	ND (0.13)	0.16	ND (0.17)
Dibenzofuran	210	59	7	ND (0.58)	ND (0.54)	0.019 J	0.028 J	0.16 J	ND (0.28)
Diethyl phthalate	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
Dimethyl phthalate	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
Fluoranthene	1000	100	100	0.17 J	ND (0.32)	1.2	0.29	1.5	0.16 J
Fluorene	386	100	30	ND (0.58)	ND (0.54)	0.028 J	0.024 J	0.27	ND (0.28)
Hexachlorobenzene	3.2	1.2	0.33	ND (0.35)	ND (0.32)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.17)
Hexachlorobutadiene	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
Hexachlorocyclopentadiene	NA	NA	NA	1.6 R	1.6 R	ND (0.59)	ND (0.63)	ND (0.63)	ND (0.81)
Hexachloroethane	NA	NA	NA	ND (0.46)	ND (0.43)	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.23)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.13 J	ND (0.43)	0.58	0.064 J	0.46	0.049 J
Isophorone	NA	NA	NA	ND (0.52)	ND (0.49)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.25)
Naphthalene	12	100	12	5.6	0.11 J	ND (0.2)	0.041 J	0.16 J	ND (0.28)
Nitrobenzene	NA	NA	NA	ND (0.52)	ND (0.49)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.25)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.46)	ND (0.43)	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.23)
Pentachlorophenol	0.8	6.7	0.8	ND (0.46)	ND (0.43)	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.23)
Phenanthrene	1000	100	100	0.12 J	ND (0.32)	0.5	0.26	1.5	0.12 J
Phenol	0.33	100	0.33	ND (0.58)	ND (0.54)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.28)
Pyrene	1000	100	100	0.17 J	ND (0.32)	1.1	0.23	1.3	0.14 J

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.

- ***Bold italic*** values indicate an exceedance of the Protection of Groundwater Criteria.

- ***Bold italic*** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2b
REMEDIAL INVESTIGATION - SEMI-VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-21	HA-21	HA-21	HA-21	HA-21
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-21 (2-4)	HA-21 (6-8)	HA-21 (10-12)	HA-21 (14-16)	HA-21 (20-22)
				02/08/2023	02/08/2023	02/08/2023	02/08/2023	02/08/2023
				L2306883-22	L2306883-23	L2306883-24	L2306883-25	L2306883-26
				L2310952-47	L2310952-42	L2310952-43	L2310952-44	L2310952-45
2 - 4 (ft) 6 - 8 (ft) 10 - 12 (ft) 14 - 16 (ft) 20 - 22 (ft)								
Semi-Volatile Organic Compounds (mg/kg)								
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
1,3-Dichlorobenzene	2.4	49	2.4	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
1,4-Dichlorobenzene	1.8	13	1.8	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
1,4-Dioxane	0.1	13	0.1	ND (0.029)	ND (0.029)	ND (0.086)	ND (0.092)	ND (0.034)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.24)	ND (0.23)	ND (0.69)	ND (0.74)	ND (0.27)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.12)	ND (0.12)	ND (0.34)	ND (0.37)	ND (0.14)
2,4-Dichlorophenol	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.52)	ND (0.55)	ND (0.21)
2,4-Dimethylphenol	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
2,4-Dinitrophenol	NA	NA	NA	ND (0.94)	ND (0.93)	ND (2.8)	ND (3)	ND (1.1)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
2-Chloronaphthalene	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
2-Chlorophenol	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
2-Methylnaphthalene	NA	NA	NA	ND (0.24)	1.3	0.62 J	ND (0.74)	ND (0.27)
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
2-Nitroaniline	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
2-Nitrophenol	NA	NA	NA	ND (0.42)	ND (0.42)	ND (1.2)	ND (1.3)	ND (0.49)
3&4-Methylphenol	0.33	100	0.33	ND (0.28)	ND (0.28)	ND (0.83)	0.18 J	ND (0.33)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
3-Nitroaniline	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.51)	ND (0.5)	ND (1.5)	ND (1.6)	ND (0.6)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
4-Chloroaniline	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
4-Nitroaniline	NA	NA	NA	ND (0.2)	0.16 J	ND (0.58)	ND (0.62)	ND (0.23)
4-Nitrophenol	NA	NA	NA	ND (0.27)	ND (0.27)	ND (0.81)	ND (0.86)	ND (0.32)
Acenaphthene	98	100	20	0.032 J	2.5	ND (0.46)	ND (0.49)	ND (0.18)
Acenaphthylene	107	100	100	0.28	0.23	ND (0.46)	ND (0.49)	ND (0.18)
Acetophenone	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
Anthracene	1000	100	100	0.21	5.1	ND (0.34)	ND (0.37)	ND (0.14)
Benzo(a)anthracene	1	1	1	1.9	5.4	0.11 J	0.17 J	0.035 J
Benzo(a)pyrene	22	1	1	2.4	4.4	0.15 J	0.18 J	ND (0.18)
Benzo(b)fluoranthene	1.7	1	1	2.8	5.2	0.16 J	0.2 J	ND (0.14)
Benzo(g,h,i)perylene	1000	100	100	1.4	2.2	0.12 J	0.11 J	ND (0.18)
Benzo(k)fluoranthene	1.7	3.9	0.8	1	1.4	ND (0.34)	ND (0.37)	ND (0.14)
Benzoic acid	NA	NA	NA	ND (0.64)	ND (0.63)	1.8 J	ND (2)	ND (0.74)
Benzyl Alcohol	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
Biphenyl	NA	NA	NA	ND (0.45)	0.27 J	ND (1.3)	ND (1.4)	ND (0.52)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.21)	ND (0.21)	ND (0.62)	ND (0.66)	ND (0.25)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.52)	ND (0.55)	ND (0.21)
bis(2-Ethylhexyl)phtthalate	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
Butyl benzylphtthalate (BBP)	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
Carbazole	NA	NA	NA	0.04 J	1.4	ND (0.58)	ND (0.62)	ND (0.23)
Chrysene	1	3.9	1	2	4.8	0.078 J	0.14 J	0.028 J
Dibenz(a,h)anthracene	1000	0.33	0.33	0.35	0.55	ND (0.34)	ND (0.37)	ND (0.14)
Dibenzofuran	210	59	7	ND (0.2)	2.2	ND (0.58)	ND (0.62)	ND (0.23)
Diethyl phthalate	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
Dimethyl phthalate	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
Fluoranthene	1000	100	100	3	17	0.077 J	0.23 J	0.049 J
Fluorene	386	100	30	0.032 J	3.2	ND (0.58)	ND (0.62)	ND (0.23)
Hexachlorobenzene	3.2	1.2	0.33	ND (0.12)	ND (0.12)	ND (0.34)	ND (0.37)	ND (0.14)
Hexachlorobutadiene	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.56)	0.55 R	1.6 R	1.8 R	0.65 R
Hexachloroethane	NA	NA	NA	ND (0.16)	ND (0.15)	ND (0.46)	ND (0.49)	ND (0.18)
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	1.7	2.6	0.13 J	0.13 J	ND (0.18)
Isophorone	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.52)	ND (0.55)	ND (0.21)
Naphthalene	12	100	12	0.03 J	1.9	1.1	0.075 J	ND (0.23)
Nitrobenzene	NA	NA	NA	ND (0.18)	ND (0.17)	ND (0.52)	ND (0.55)	ND (0.21)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.16)	ND (0.15)	ND (0.46)	ND (0.49)	ND (0.18)
Pentachlorophenol	0.8	6.7	0.8	ND (0.16)	ND (0.15)	ND (0.46)	ND (0.49)	ND (0.18)
Phenanthrene	1000	100	100	0.62	19	ND (0.34)	0.13 J	0.048 J
Phenol	0.33	100	0.33	ND (0.2)	ND (0.19)	ND (0.58)	ND (0.62)	ND (0.23)
Pyrene	1000	100	100	2.7	14	0.073 J	0.19 J	0.04 J

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- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.

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- ***Bold italic*** values are PGWSCO exceedances of compound in soil also exceeding the Ambient Water Quality Standard in groundwater at the same location. PGWSCO comparison only applied for compounds which had concentrations exceeding AWQS in RI groundwater samples.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

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TABLE 2c

REMEDIAL INVESTIGATION - POLYCHLORINATED BIPHENYL ANALYTICAL RESULTS IN SOIL

PAGE 33 OF 92

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-01 HA-01 (2-4) 02/08/2023 L2306883-01 L2310952-27 2 - 4 (ft)	HA-01 HA-01 (6-8) 02/08/2023 L2306883-02 L2310952-28 6 - 8 (ft)	HA-01 HA-01 (10-12) 02/08/2023 L2306883-03 L2310952-29 10 - 12 (ft)	HA-01 HA-01 (14-16) 02/08/2023 L2306883-04 14 - 16 (ft)	HA-02 HA-02 (2-4) 02/08/2023 L2306883-05 L2310952-30 2 - 4 (ft)	HA-02 HA-02 (6-8) 02/08/2023 L2306883-06 L2310952-31 6 - 8 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
PCBs (mg/kg)									
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0402)	ND (0.0385)	ND (0.0407)	ND (0.0397)	ND (0.0395)	ND (0.0378)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0402)	ND (0.0385)	ND (0.0407)	ND (0.0397)	ND (0.0395)	ND (0.0378)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0402)	ND (0.0385)	ND (0.0407)	ND (0.0397)	ND (0.0395)	ND (0.0378)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0402)	ND (0.0385)	ND (0.0407)	ND (0.0397)	0.0229 J	ND (0.0378)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0402)	ND (0.0385)	ND (0.0407)	ND (0.0397)	ND (0.0395)	ND (0.0378)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0402)	ND (0.0385)	ND (0.0407)	ND (0.0397)	ND (0.0395)	ND (0.0378)
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0402)	ND (0.0385)	ND (0.0407)	0.00796 J	ND (0.0395)	ND (0.0378)
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0402)	ND (0.0385)	ND (0.0407)	ND (0.0397)	ND (0.0395)	ND (0.0378)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0402)	ND (0.0385)	ND (0.0407)	ND (0.0397)	0.124	ND (0.0378)
SUM of PCBs	3.2	1	0.1	ND (0.0402)	ND (0.0385)	ND (0.0407)	0.00796 J	0.147 J	ND (0.0378)

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TABLE 2c

REMEDIAL INVESTIGATION - POLYCHLORINATED BIPHENYL ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level								
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-02	HA-02	HA-03	HA-03	HA-03	HA-03
				HA-02 (10-12)	HA-02 (14-16)	HA-03 (2-4)	HA-03 (6-8)	HA-03 (10-12)	HA-03 (14-16)
				02/08/2023	02/08/2023	02/10/2023	02/10/2023	02/10/2023	02/10/2023
				L2306883-07	L2306883-08 L2310952-32	L2307511-01	L2307511-02 L2310952-22	L2307511-03 L2310952-23	L2307511-04
10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)				
PCBs (mg/kg)									
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0398)	ND (0.0364)	ND (0.0357)	ND (0.223)	ND (0.0386)	ND (0.0364)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0398)	ND (0.0364)	ND (0.0357)	ND (0.223)	ND (0.0386)	ND (0.0364)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0398)	ND (0.0364)	ND (0.0357)	ND (0.223)	ND (0.0386)	ND (0.0364)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0398)	ND (0.0364)	ND (0.0357)	ND (0.223)	ND (0.0386)	ND (0.0364)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0398)	ND (0.0364)	ND (0.0357)	ND (0.223)	ND (0.0386)	ND (0.0364)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0398)	ND (0.0364)	ND (0.0357)	ND (0.223)	ND (0.0386)	ND (0.0364)
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0398)	ND (0.0364)	0.00858 J	ND (0.223)	ND (0.0386)	ND (0.0364)
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0398)	ND (0.0364)	ND (0.0357)	ND (0.223)	ND (0.0386)	ND (0.0364)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0398)	ND (0.0364)	0.00607 J	0.665	0.00797 J	ND (0.0364)
SUM of PCBs	3.2	1	0.1	ND (0.0398)	ND (0.0364)	0.0147 J	0.665	0.00797 J	ND (0.0364)

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TABLE 2c

REMEDIAL INVESTIGATION - POLYCHLORINATED BIPHENYL ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-04 HA-04 (2-4) 02/02/2023	HA-04 HA-04 (6-8) 02/02/2023	HA-04 DUP_1_02022023 02/02/2023	HA-04 HA-04 (10-12) 02/02/2023	HA-04 HA-04 (14-16) 02/02/2023	HA-05 HA-05 (2-4) 02/02/2023
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	L2305934-01	L2305934-02	L2305934-09	L2305934-03	L2305934-04	L2305934-05
				2 - 2 (ft)	6 - 8 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)
PCBs (mg/kg)									
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0361)	ND (0.0398)	ND (0.0405)	ND (0.0446)	ND (0.0654)	ND (0.0356)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0361)	ND (0.0398)	ND (0.0405)	ND (0.0446)	ND (0.0654)	ND (0.0356)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0361)	ND (0.0398)	ND (0.0405)	ND (0.0446)	ND (0.0654)	ND (0.0356)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0361)	ND (0.0398)	ND (0.0405)	ND (0.0446)	ND (0.0654)	ND (0.0356)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0361)	ND (0.0398)	ND (0.0405)	ND (0.0446)	ND (0.0654)	ND (0.0356)
Aroclor-1254 (PCB-1254)	NA	NA	NA	0.0163 J	ND (0.0398)	ND (0.0405)	ND (0.0446)	ND (0.0654)	0.00964 J
Aroclor-1260 (PCB-1260)	NA	NA	NA	0.00926 J	ND (0.0398)	ND (0.0405)	ND (0.0446)	ND (0.0654)	0.00775 J
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0361)	ND (0.0398)	ND (0.0405)	ND (0.0446)	ND (0.0654)	ND (0.0356)
Aroclor-1268 (PCB-1268)	NA	NA	NA	0.00407 J	ND (0.0398)	ND (0.0405)	ND (0.0446)	ND (0.0654)	ND (0.0356)
SUM of PCBs	3.2	1	0.1	0.0296 J	ND (0.0398)	ND (0.0405)	ND (0.0446)	ND (0.0654)	0.0174 J

ABBREVIATIONS AND NOTES:

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ft: feet

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ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

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- ***Bold italic*** values indicate an exceedance of the Protection of Groundwater Criteria.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2c

REMEDIAL INVESTIGATION - POLYCHLORINATED BIPHENYL ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-05 HA-05 (6-8) 02/02/2023 L2305934-06 6 - 8 (ft)	HA-05 HA-05 (10-12) 02/02/2023 L2305934-07 10 - 12 (ft)	HA-05 HA-05 (14-16) 02/02/2023 L2305934-08 14 - 16 (ft)	HA-06 HA-06 (2-4) 02/01/2023 L2305570-01 2 - 4 (ft)	HA-06 HA-06 (6-8) 02/01/2023 L2305570-02 6 - 8 (ft)	HA-06 HA-06 (10-12) 02/01/2023 L2305570-03 10 - 12 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
PCBs (mg/kg)									
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0381)	ND (0.0388)	ND (0.0376)	ND (0.0385)	ND (0.0362)	ND (0.0384)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0381)	ND (0.0388)	ND (0.0376)	ND (0.0385)	ND (0.0362)	ND (0.0384)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0381)	ND (0.0388)	ND (0.0376)	ND (0.0385)	ND (0.0362)	ND (0.0384)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0381)	ND (0.0388)	ND (0.0376)	ND (0.0385)	ND (0.0362)	ND (0.0384)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0381)	ND (0.0388)	ND (0.0376)	ND (0.0385)	ND (0.0362)	ND (0.0384)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0381)	ND (0.0388)	ND (0.0376)	ND (0.0385)	ND (0.0362)	ND (0.0384)
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0381)	ND (0.0388)	ND (0.0376)	0.0147 J	ND (0.0362)	ND (0.0384)
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0381)	ND (0.0388)	ND (0.0376)	ND (0.0385)	ND (0.0362)	ND (0.0384)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0381)	ND (0.0388)	ND (0.0376)	0.0081 J	ND (0.0362)	ND (0.0384)
SUM of PCBs	3.2	1	0.1	ND (0.0381)	ND (0.0388)	ND (0.0376)	0.0228 J	ND (0.0362)	ND (0.0384)

ABBREVIATIONS AND NOTES:

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NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

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- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2c

REMEDIAL INVESTIGATION - POLYCHLORINATED BIPHENYL ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-06	HA-07	HA-07	HA-07	HA-07	HA-08
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-06 (14-16) 02/01/2023	HA-07 (2-4) 02/09/2023	HA-07 (6-8) 02/09/2023	HA-07 (10-12) 02/09/2023	HA-07 (14-16) 02/09/2023	HA-08 (2-4) 02/01/2023
				L2305570-04	L2307196-01 L2310952-10	L2307196-02 L2310952-11	L2307196-03 L2310952-12	L2307196-04 L2310952-13	L2305570-05
				14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)
PCBs (mg/kg)									
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0381)	ND (0.0376)	ND (0.042)	ND (0.0462)	ND (0.0368)	ND (0.0354)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0381)	ND (0.0376)	ND (0.042)	ND (0.0462)	ND (0.0368)	ND (0.0354)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0381)	ND (0.0376)	ND (0.042)	ND (0.0462)	ND (0.0368)	ND (0.0354)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0381)	ND (0.0376)	ND (0.042)	ND (0.0462)	ND (0.0368)	ND (0.0354)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0381)	ND (0.0376)	ND (0.042)	ND (0.0462)	ND (0.0368)	ND (0.0354)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0381)	ND (0.0376)	ND (0.042)	ND (0.0462)	ND (0.0368)	ND (0.0354)
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0381)	0.0215 J	ND (0.042)	0.0228 J	ND (0.0368)	0.018 J
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0381)	ND (0.0376)	ND (0.042)	ND (0.0462)	ND (0.0368)	ND (0.0354)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0381)	0.0041 J	ND (0.042)	ND (0.0462)	ND (0.0368)	0.0111 J
SUM of PCBs	3.2	1	0.1	ND (0.0381)	0.0256 J	ND (0.042)	0.0228 J	ND (0.0368)	0.0291 J

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TABLE 2c

REMEDIAL INVESTIGATION - POLYCHLORINATED BIPHENYL ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-08 HA-08 (6-8) 02/01/2023 L2305570-06 6 - 8 (ft)	HA-08 HA-08 (10-12) 02/01/2023 L2305570-07 10 - 12 (ft)	HA-08 HA-08 (14-16) 02/01/2023 L2305570-08 14 - 16 (ft)	HA-09 HA-09 (2-4) 02/09/2023 L2307196-05 2 - 4 (ft)	HA-09 HA-09 (6-8) 02/09/2023 L2307196-06 L2310952-14 6 - 8 (ft)	HA-09 HA-09 (10-12) 02/09/2023 L2307196-07 10 - 12 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
PCBs (mg/kg)									
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0369)	ND (0.0423)	ND (0.0493)	ND (0.037)	ND (0.0401)	ND (0.0385)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0369)	ND (0.0423)	ND (0.0493)	ND (0.037)	ND (0.0401)	ND (0.0385)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0369)	ND (0.0423)	ND (0.0493)	ND (0.037)	ND (0.0401)	ND (0.0385)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0369)	ND (0.0423)	ND (0.0493)	ND (0.037)	ND (0.0401)	ND (0.0385)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0369)	ND (0.0423)	ND (0.0493)	ND (0.037)	ND (0.0401)	ND (0.0385)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0369)	ND (0.0423)	ND (0.0493)	ND (0.037)	ND (0.0401)	ND (0.0385)
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0369)	ND (0.0423)	ND (0.0493)	ND (0.037)	0.0147 J	ND (0.0385)
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0369)	ND (0.0423)	ND (0.0493)	ND (0.037)	ND (0.0401)	ND (0.0385)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0369)	ND (0.0423)	ND (0.0493)	ND (0.037)	ND (0.0401)	ND (0.0385)
SUM of PCBs	3.2	1	0.1	ND (0.0369)	ND (0.0423)	ND (0.0493)	ND (0.037)	0.0147 J	ND (0.0385)

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TABLE 2c

REMEDIAL INVESTIGATION - POLYCHLORINATED BIPHENYL ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-09	HA-10	HA-10	HA-10	HA-10	HA-11
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-09 (14-16) 02/09/2023 L2307196-08 L2310952-15 14 - 16 (ft)	HA-10 (2-4) 02/08/2023 L2306883-09 L2310952-33 2 - 4 (ft)	HA-10 (6-8) 02/08/2023 L2306883-10 6 - 8 (ft)	HA-10 (10-12) 02/08/2023 L2306883-11 L2310952-34 10 - 12 (ft)	HA-10 (14-16) 02/08/2023 L2306883-12 L2310952-35 14 - 16 (ft)	HA-11 (2-4) 02/09/2023 L2307196-09 L2310952-16 2 - 4 (ft)
PCBs (mg/kg)									
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0377)	ND (0.0364)	ND (0.0429)	ND (0.0383)	ND (0.0391)	ND (0.0373)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0377)	ND (0.0364)	ND (0.0429)	ND (0.0383)	ND (0.0391)	ND (0.0373)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0377)	ND (0.0364)	ND (0.0429)	ND (0.0383)	ND (0.0391)	ND (0.0373)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0377)	0.00602 J	ND (0.0429)	ND (0.0383)	ND (0.0391)	ND (0.0373)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0377)	ND (0.0364)	ND (0.0429)	ND (0.0383)	ND (0.0391)	ND (0.0373)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0377)	ND (0.0364)	ND (0.0429)	ND (0.0383)	ND (0.0391)	ND (0.0373)
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0377)	ND (0.0364) J	0.0149 J	ND (0.0383)	ND (0.0391)	0.00972 J
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0377)	ND (0.0364)	ND (0.0429)	ND (0.0383)	ND (0.0391)	ND (0.0373)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0377)	ND (0.0364)	0.0046 J	ND (0.0383)	ND (0.0391)	ND (0.0373)
SUM of PCBs	3.2	1	0.1	ND (0.0377)	0.00602 J	0.0195 J	ND (0.0383)	ND (0.0391)	0.00972 J

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TABLE 2c

REMEDIAL INVESTIGATION - POLYCHLORINATED BIPHENYL ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-11 HA-11 (6-8) 02/09/2023 L2307196-10 6 - 8 (ft)	HA-11 HA-11 (10-12) 02/09/2023 L2307196-11 L2310952-17 10 - 12 (ft)	HA-11 HA-11 (14-16) 02/09/2023 L2307196-12 L2310952-18 14 - 16 (ft)	HA-12 HA-12 (2-4) 02/09/2023 L2307196-13 L2310952-19 2 - 4 (ft)	HA-12 HA-12 (6-8) 02/09/2023 L2307196-14 L2310952-20 6 - 8 (ft)	HA-12 HA-12 (10-12) 02/09/2023 L2307196-15 L2310952-21 10 - 12 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
PCBs (mg/kg)									
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0397)	ND (0.0356)	ND (0.0383)	ND (0.0402)	ND (0.0379)	ND (0.0379)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0397)	ND (0.0356)	ND (0.0383)	ND (0.0402)	ND (0.0379)	ND (0.0379)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0397)	ND (0.0356)	ND (0.0383)	ND (0.0402)	ND (0.0379)	ND (0.0379)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0397)	ND (0.0356)	ND (0.0383)	ND (0.0402)	ND (0.0379)	ND (0.0379)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0397)	ND (0.0356)	ND (0.0383)	ND (0.0402)	ND (0.0379)	ND (0.0379)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0397)	ND (0.0356)	ND (0.0383)	ND (0.0402)	ND (0.0379)	ND (0.0379)
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0397)	ND (0.0356)	ND (0.0383)	ND (0.0402)	ND (0.0379)	ND (0.0379)
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0397)	ND (0.0356)	ND (0.0383)	ND (0.0402)	ND (0.0379)	ND (0.0379)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0397)	ND (0.0356)	ND (0.0383)	ND (0.0402)	ND (0.0379)	ND (0.0379)
SUM of PCBs	3.2	1	0.1	ND (0.0397)	ND (0.0356)	ND (0.0383)	ND (0.0402)	ND (0.0379)	ND (0.0379)

ABBREVIATIONS AND NOTES:

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TABLE 2c

REMEDIAL INVESTIGATION - POLYCHLORINATED BIPHENYL ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-12	HA-13	HA-13	HA-13	HA-13	HA-14
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-12 (14-16) 02/09/2023 L2307196-16 14 - 16 (ft)	HA-13 (2-4) 02/13/2023 L2307677-01 L2310952-01 2 - 4 (ft)	HA-13 (6-8) 02/13/2023 L2307677-02 L2310952-02 6 - 8 (ft)	HA-13 (10-12) 02/13/2023 L2307677-03 L2310952-03 10 - 12 (ft)	HA-13 (14-16) 02/13/2023 L2307677-04 L2310952-04 14 - 16 (ft)	HA-14 (2-4) 02/01/2023 L2305570-09 2 - 4 (ft)
PCBs (mg/kg)									
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0388)	ND (0.0352)	ND (0.0359)	ND (0.043)	ND (0.0525)	ND (0.0376)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0388)	ND (0.0352)	ND (0.0359)	ND (0.043)	ND (0.0525)	ND (0.0376)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0388)	ND (0.0352)	ND (0.0359)	ND (0.043)	ND (0.0525)	ND (0.0376)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0388)	0.358	ND (0.0359)	ND (0.043)	ND (0.0525)	ND (0.0376)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0388)	ND (0.0352)	ND (0.0359)	ND (0.043)	ND (0.0525)	ND (0.0376)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0388)	ND (0.0352)	ND (0.0359)	ND (0.043)	ND (0.0525)	ND (0.0376)
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0388)	ND (0.0352)	ND (0.0359)	ND (0.043)	ND (0.0525)	0.0282 J
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0388)	ND (0.0352)	ND (0.0359)	ND (0.043)	ND (0.0525)	ND (0.0376)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0388)	ND (0.0352)	ND (0.0359)	ND (0.043)	ND (0.0525)	0.0198 J
SUM of PCBs	3.2	1	0.1	ND (0.0388)	0.358	ND (0.0359)	ND (0.043)	ND (0.0525)	0.048 J

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- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2c

REMEDIAL INVESTIGATION - POLYCHLORINATED BIPHENYL ANALYTICAL RESULTS IN SOIL

556 BALTIMORE STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-14 HA-14 (6-8) 02/01/2023 L2305570-10 6 - 8 (ft)	HA-14 HA-14 (10-12) 02/01/2023 L2305570-11 10 - 12 (ft)	HA-14 HA-14 (14-16) 02/01/2023 L2305570-12 14 - 16 (ft)	HA-15 HA-15 (2-4) 02/01/2023 L2305570-13 2 - 4 (ft)	HA-15 HA-15 (6-8) 02/01/2023 L2305570-14 6 - 8 (ft)	HA-15 HA-15 (10-12) 02/01/2023 L2305570-15 10 - 12 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
PCBs (mg/kg)									
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0382)	ND (0.0365)	ND (0.133)	ND (0.0347)	ND (0.0354)	ND (0.0427)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0382)	ND (0.0365)	ND (0.133)	ND (0.0347)	ND (0.0354)	ND (0.0427)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0382)	ND (0.0365)	ND (0.133)	ND (0.0347)	ND (0.0354)	ND (0.0427)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0382)	ND (0.0365)	ND (0.133)	ND (0.0347)	ND (0.0354)	ND (0.0427)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0382)	ND (0.0365)	ND (0.133)	ND (0.0347)	ND (0.0354)	ND (0.0427)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0382)	ND (0.0365)	ND (0.133)	ND (0.0347)	ND (0.0354)	ND (0.0427)
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0382)	ND (0.0365)	ND (0.133)	0.0138 J	ND (0.0354)	ND (0.0427)
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0382)	ND (0.0365)	ND (0.133)	ND (0.0347)	ND (0.0354)	ND (0.0427)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0382)	ND (0.0365)	ND (0.133)	0.00562 J	ND (0.0354)	ND (0.0427)
SUM of PCBs	3.2	1	0.1	ND (0.0382)	ND (0.0365)	ND (0.133)	0.0194 J	ND (0.0354)	ND (0.0427)

ABBREVIATIONS AND NOTES:

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R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.

- ***Bold italic*** values indicate an exceedance of the Protection of Groundwater Criteria.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2c

REMEDIAL INVESTIGATION - POLYCHLORINATED BIPHENYL ANALYTICAL RESULTS IN SOIL

556 BAL TIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-15	HA-16	HA-16	HA-16	HA-16	HA-17
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-15 (14-16) 02/01/2023	HA-16 (2-4) 02/01/2023	HA-16 (6-8) 02/01/2023	HA-16 (10-12) 02/01/2023	HA-16 (14-16) 02/01/2023	HA-17 (2-4) 02/08/2023
				L2305570-16	L2305570-17	L2305570-18	L2305570-19	L2305570-20	L2306883-13 L2310952-36
				14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)
PCBs (mg/kg)									
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.114)	ND (0.035)	ND (0.0355)	ND (0.0363)	ND (0.0365)	ND (0.0383)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.114)	ND (0.035)	ND (0.0355)	ND (0.0363)	ND (0.0365)	ND (0.0383)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.114)	ND (0.035)	ND (0.0355)	ND (0.0363)	ND (0.0365)	ND (0.0383)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.114)	ND (0.035)	ND (0.0355)	ND (0.0363)	ND (0.0365)	ND (0.0383)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.114)	ND (0.035)	ND (0.0355)	ND (0.0363)	ND (0.0365)	ND (0.0383)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.114)	ND (0.035)	ND (0.0355)	ND (0.0363)	ND (0.0365)	ND (0.0383)
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.114)	ND (0.035)	ND (0.0355)	ND (0.0363)	ND (0.0365)	0.00948 J
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.114)	ND (0.035)	ND (0.0355)	ND (0.0363)	ND (0.0365)	ND (0.0383)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.114)	0.00366 J	ND (0.0355)	ND (0.0363)	ND (0.0365)	0.00513 J
SUM of PCBs	3.2	1	0.1	ND (0.114)	0.00366 J	ND (0.0355)	ND (0.0363)	ND (0.0365)	0.0146 J

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ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

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- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2c

REMEDIAL INVESTIGATION - POLYCHLORINATED BIPHENYL ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-17 HA-17 (6-8) 02/08/2023 L2306883-14 6 - 8 (ft)	HA-17 HA-17 (10-12) 02/08/2023 L2306883-15 10 - 12 (ft)	HA-17 HA-17 (14-16) 02/08/2023 L2306883-16 L2310952-37 14 - 16 (ft)	HA-18 HA-18 (2-4) 02/13/2023 L2307677-05 L2310952-05 2 - 4 (ft)	HA-18 HA-18 (6-8) 02/13/2023 L2307677-06 L2310952-06 6 - 8 (ft)	HA-18 HA-18 (10-12) 02/13/2023 L2307677-07 L2310952-07 10 - 12 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
PCBs (mg/kg)									
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0394)	ND (0.0403)	ND (0.0392)	ND (0.0374)	ND (0.0375)	ND (0.0431)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0394)	ND (0.0403)	ND (0.0392)	ND (0.0374)	ND (0.0375)	ND (0.0431)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0394)	ND (0.0403)	ND (0.0392)	ND (0.0374)	ND (0.0375)	ND (0.0431)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0394)	ND (0.0403)	ND (0.0392)	ND (0.0374)	ND (0.0375)	ND (0.0431)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0394)	ND (0.0403)	ND (0.0392)	ND (0.0374)	ND (0.0375)	ND (0.0431)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0394)	ND (0.0403)	ND (0.0392)	ND (0.0374)	ND (0.0375)	ND (0.0431)
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0394)	ND (0.0403)	ND (0.0392)	0.0106 J	0.0109 J	ND (0.0431)
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0394)	ND (0.0403)	ND (0.0392)	ND (0.0374)	ND (0.0375)	ND (0.0431)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0394)	ND (0.0403)	ND (0.0392)	0.00888 J	0.00519 J	ND (0.0431)
SUM of PCBs	3.2	1	0.1	ND (0.0394)	ND (0.0403)	ND (0.0392)	0.0195 J	0.0161 J	ND (0.0431)

ABBREVIATIONS AND NOTES:

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NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.

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TABLE 2c

REMEDIAL INVESTIGATION - POLYCHLORINATED BIPHENYL ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-18 DUP_1_02132023	HA-18 HA-18 (14-16) 02/13/2023	HA-19 HA-19 (2-4) 02/08/2023	HA-19 HA-19 (6-8) 02/08/2023	HA-19 HA-19 (10-12) 02/08/2023	HA-19 DUP_1_02082023
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	L2307677-09 L2310952-09	L2307677-08 L2310952-08	L2306883-17 L2310952-38	L2306883-18 L2310952-39	L2306883-19 L2310952-40	L2306883-27 L2310952-46
				10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	10 - 12 (ft)
PCBs (mg/kg)									
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0355)	ND (0.0399)	ND (0.0415)	ND (0.039)	ND (0.0406)	ND (0.0368)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0355)	ND (0.0399)	ND (0.0415)	ND (0.039)	ND (0.0406)	ND (0.0368)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0355)	ND (0.0399)	ND (0.0415)	ND (0.039)	ND (0.0406)	ND (0.0368)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0355)	ND (0.0399)	0.00879 J	ND (0.039)	ND (0.0406)	ND (0.0368)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0355)	ND (0.0399)	ND (0.0415)	ND (0.039)	ND (0.0406)	ND (0.0368)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0355)	ND (0.0399)	ND (0.0415)	ND (0.039)	ND (0.0406)	ND (0.0368)
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0355)	ND (0.0399)	0.0435	0.0184 J	ND (0.0406)	ND (0.0368)
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0355)	ND (0.0399)	ND (0.0415)	ND (0.039)	ND (0.0406)	ND (0.0368)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0355)	ND (0.0399)	0.0414 J	0.0136 J	ND (0.0406)	ND (0.0368)
SUM of PCBs	3.2	1	0.1	ND (0.0355)	ND (0.0399)	0.0937 J	0.032 J	ND (0.0406)	ND (0.0368)

ABBREVIATIONS AND NOTES:

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TABLE 2c

REMEDIAL INVESTIGATION - POLYCHLORINATED BIPHENYL ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-19	HA-19	HA-20	HA-20	HA-20	HA-20
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-19 (14-16) 02/08/2023 L2306883-20 L2310952-41 14 - 16 (ft)	HA-19 (20-22) 02/08/2023 L2306883-21 20 - 22 (ft)	HA-20 (2-4) 02/10/2023 L2307511-05 L2310952-24 2 - 4 (ft)	HA-20 (6-8) 02/10/2023 L2307511-06 L2310952-25 6 - 8 (ft)	HA-20 (10-12) 02/10/2023 L2307511-07 L2310952-26 10 - 12 (ft)	HA-20 (14-16) 02/10/2023 L2307511-08 14 - 16 (ft)
PCBs (mg/kg)									
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0398)	ND (0.0373)	ND (0.0401)	ND (0.0449)	ND (0.0422)	ND (0.0551)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0398)	ND (0.0373)	ND (0.0401)	ND (0.0449)	ND (0.0422)	ND (0.0551)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0398)	ND (0.0373)	ND (0.0401)	ND (0.0449)	ND (0.0422)	ND (0.0551)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0398)	ND (0.0373)	ND (0.0401)	ND (0.0449)	ND (0.0422)	ND (0.0551)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0398)	ND (0.0373)	ND (0.0401)	ND (0.0449)	ND (0.0422)	ND (0.0551)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0398)	ND (0.0373)	ND (0.0401)	ND (0.0449)	ND (0.0422)	ND (0.0551)
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0398)	ND (0.0373)	ND (0.0401)	ND (0.0449)	ND (0.0422)	ND (0.0551)
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0398)	ND (0.0373)	ND (0.0401)	ND (0.0449)	ND (0.0422)	ND (0.0551)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0398)	ND (0.0373)	0.17	ND (0.0449)	ND (0.0422)	ND (0.0551)
SUM of PCBs	3.2	1	0.1	ND (0.0398)	ND (0.0373)	0.17	ND (0.0449)	ND (0.0422)	ND (0.0551)

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TABLE 2c

REMEDIAL INVESTIGATION - POLYCHLORINATED BIPHENYL ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-21 HA-21 (2-4) 02/08/2023 L2306883-22 L2310952-47 2 - 4 (ft)	HA-21 HA-21 (6-8) 02/08/2023 L2306883-23 L2310952-42 6 - 8 (ft)	HA-21 HA-21 (10-12) 02/08/2023 L2306883-24 L2310952-43 10 - 12 (ft)	HA-21 HA-21 (14-16) 02/08/2023 L2306883-25 L2310952-44 14 - 16 (ft)	HA-21 HA-21 (20-22) 02/08/2023 L2306883-26 L2310952-45 20 - 22 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives					
PCBs (mg/kg)								
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0389)	ND (0.188)	ND (0.0379)	ND (0.0394)	ND (0.0437)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0389)	ND (0.188)	ND (0.0379)	ND (0.0394)	ND (0.0437)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0389)	ND (0.188)	ND (0.0379)	ND (0.0394)	ND (0.0437)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0389)	ND (0.188)	ND (0.0379)	ND (0.0394)	ND (0.0437)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0389)	ND (0.188)	ND (0.0379)	ND (0.0394)	ND (0.0437)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0389)	ND (0.188)	ND (0.0379)	ND (0.0394)	ND (0.0437)
Aroclor-1260 (PCB-1260)	NA	NA	NA	0.0211 J	0.244	ND (0.0379)	ND (0.0394)	ND (0.0437)
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0389)	ND (0.188)	ND (0.0379)	ND (0.0394)	ND (0.0437)
Aroclor-1268 (PCB-1268)	NA	NA	NA	0.0243 J	0.547	ND (0.0379)	ND (0.0394)	ND (0.0437)
SUM of PCBs	3.2	1	0.1	0.0454 J	0.791	ND (0.0379)	ND (0.0394)	ND (0.0437)

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- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2d

REMEDIAL INVESTIGATION - PESTICIDES ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

PAGE 48 OF 92

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-01	HA-01	HA-01	HA-01	HA-02	HA-02
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-01 (2-4) 02/08/2023 L2306883-01 L2310952-27 2 - 4 (ft)	HA-01 (6-8) 02/08/2023 L2306883-02 L2310952-28 6 - 8 (ft)	HA-01 (10-12) 02/08/2023 L2306883-03 L2310952-29 10 - 12 (ft)	HA-01 (14-16) 02/08/2023 L2306883-04 14 - 16 (ft)	HA-02 (2-4) 02/08/2023 L2306883-05 L2310952-30 2 - 4 (ft)	HA-02 (6-8) 02/08/2023 L2306883-06 L2310952-31 6 - 8 (ft)
Pesticides (mg/kg)									
4,4'-DDD	14	13	0.0033	ND (0.00199)	ND (0.00178)	ND (0.00199)	0.000916 J	0.0922	ND (0.00184)
4,4'-DDE	17	8.9	0.0033	0.000472 J	ND (0.00178)	ND (0.00199)	0.000662 J	0.0155	ND (0.00184)
4,4'-DDT	136	7.9	0.0033	ND (0.00199)	ND (0.00178)	ND (0.00199)	0.00294 J	0.0181 J+	ND (0.00184)
Aldrin	0.19	0.097	0.005	ND (0.00199)	ND (0.00178)	ND (0.00199)	ND (0.00194)	ND (0.0019)	ND (0.00184)
alpha-BHC	0.02	0.48	0.02	ND (0.000828)	ND (0.000742)	ND (0.000828)	ND (0.000811)	ND (0.000791)	ND (0.000765)
alpha-Chlordane (cis)	2.9	4.2	0.094	ND (0.00248)	ND (0.00222)	ND (0.00248)	ND (0.00243)	0.00605	ND (0.00229)
beta-BHC	0.09	0.36	0.036	ND (0.00199)	ND (0.00178)	ND (0.00199)	ND (0.00194)	ND (0.0019)	ND (0.00184)
Chlordane	NA	NA	NA	ND (0.0166)	ND (0.0148)	ND (0.0166)	ND (0.0162)	0.0395	ND (0.0153)
delta-BHC	0.25	100	0.04	ND (0.00199)	ND (0.00178)	ND (0.00199)	ND (0.00194)	ND (0.0019)	ND (0.00184)
Dieldrin	0.1	0.2	0.005	ND (0.00124)	ND (0.00111)	ND (0.00124)	ND (0.00122)	0.00548 J+	ND (0.00115)
Endosulfan I	102	24	2.4	ND (0.00199)	ND (0.00178)	ND (0.00199)	ND (0.00194)	ND (0.0019)	ND (0.00184)
Endosulfan II	102	24	2.4	ND (0.00199)	ND (0.00178)	ND (0.00199)	ND (0.00194)	ND (0.0019)	ND (0.00184)
Endosulfan sulfate	1000	24	2.4	ND (0.000828)	ND (0.000742)	ND (0.000828)	ND (0.000811)	ND (0.000791)	ND (0.000765)
Endrin	0.06	11	0.014	ND (0.000828)	ND (0.000742)	ND (0.000828)	ND (0.000811)	ND (0.000791)	ND (0.000765)
Endrin aldehyde	NA	NA	NA	ND (0.00248)	ND (0.00222)	ND (0.00248)	ND (0.00243)	ND (0.00237)	ND (0.00229)
Endrin ketone	NA	NA	NA	ND (0.00199)	ND (0.00178)	ND (0.00199)	ND (0.00194)	ND (0.0019)	ND (0.00184)
gamma-BHC (Lindane)	0.1	1.3	0.1	ND (0.000828)	ND (0.000742)	ND (0.000828)	ND (0.000811)	ND (0.000791)	ND (0.000765)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.00248)	ND (0.00222)	ND (0.00248)	ND (0.00243)	0.00727	ND (0.00229)
Heptachlor	0.38	2.1	0.042	ND (0.000994)	ND (0.00089)	ND (0.000993)	ND (0.000973)	ND (0.000949)	ND (0.000918)
Heptachlor epoxide	NA	NA	NA	ND (0.00373)	ND (0.00334)	ND (0.00372)	ND (0.00365)	ND (0.00356)	ND (0.00344)
Methoxychlor	NA	NA	NA	ND (0.00373)	ND (0.00334)	ND (0.00372)	ND (0.00365)	ND (0.00356)	ND (0.00344)
Toxaphene	NA	NA	NA	ND (0.0373)	ND (0.0334)	ND (0.0372)	ND (0.0365)	ND (0.0356)	ND (0.0344)

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TABLE 2d

REMEDIAL INVESTIGATION - PESTICIDES ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-02	HA-02	HA-03	HA-03	HA-03	HA-03
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-02 (10-12) 02/08/2023 L2306883-07 10 - 12 (ft)	HA-02 (14-16) 02/08/2023 L2306883-08 L2310952-32 14 - 16 (ft)	HA-03 (2-4) 02/10/2023 L2307511-01 2 - 4 (ft)	HA-03 (6-8) 02/10/2023 L2307511-02 L2310952-22 6 - 8 (ft)	HA-03 (10-12) 02/10/2023 L2307511-03 L2310952-23 10 - 12 (ft)	HA-03 (14-16) 02/10/2023 L2307511-04 14 - 16 (ft)
Pesticides (mg/kg)									
4,4'-DDD	14	13	0.0033	ND (0.00191)	ND (0.00174)	0.00251 J	0.17	ND (0.00184)	ND (0.00175)
4,4'-DDE	17	8.9	0.0033	ND (0.00191)	ND (0.00174)	0.00151 J	0.0686 J+	ND (0.00184)	ND (0.00175)
4,4'-DDT	136	7.9	0.0033	ND (0.00191)	ND (0.00174)	0.0024 J	0.0197 J+	ND (0.00184)	ND (0.00175)
Aldrin	0.19	0.097	0.005	ND (0.00191)	ND (0.00174)	ND (0.0017)	ND (0.00216)	ND (0.00184)	ND (0.00175)
alpha-BHC	0.02	0.48	0.02	ND (0.000798)	ND (0.000725)	ND (0.000708)	ND (0.000902)	ND (0.000769)	ND (0.00073)
alpha-Chlordane (cis)	2.9	4.2	0.094	ND (0.00239)	ND (0.00218)	0.000627 J	0.00309	0.00319 J+	ND (0.00219)
beta-BHC	0.09	0.36	0.036	ND (0.00191)	ND (0.00174)	ND (0.0017)	ND (0.00216)	ND (0.00184)	ND (0.00175)
Chlordane	NA	NA	NA	ND (0.016)	ND (0.0145)	ND (0.0142)	0.0408	ND (0.0154)	ND (0.0146)
delta-BHC	0.25	100	0.04	ND (0.00191)	ND (0.00174)	ND (0.0017)	ND (0.00216)	ND (0.00184)	ND (0.00175)
Dieldrin	0.1	0.2	0.005	ND (0.0012)	ND (0.00109)	ND (0.00106) J	0.0238 J+	ND (0.00115)	ND (0.00109)
Endosulfan I	102	24	2.4	ND (0.00191)	ND (0.00174)	ND (0.0017)	ND (0.00216)	ND (0.00184)	ND (0.00175)
Endosulfan II	102	24	2.4	ND (0.00191)	ND (0.00174)	ND (0.0017)	ND (0.00216)	ND (0.00184)	ND (0.00175)
Endosulfan sulfate	1000	24	2.4	ND (0.000798)	ND (0.000725)	ND (0.000708)	ND (0.000902)	ND (0.000769)	ND (0.00073)
Endrin	0.06	11	0.014	ND (0.000798)	ND (0.000725)	ND (0.000708)	ND (0.000902)	ND (0.000769)	ND (0.00073)
Endrin aldehyde	NA	NA	NA	ND (0.00239)	ND (0.00218)	ND (0.00212)	ND (0.0027)	ND (0.0023)	ND (0.00219)
Endrin ketone	NA	NA	NA	ND (0.00191)	ND (0.00174)	ND (0.0017)	ND (0.00216)	ND (0.00184)	ND (0.00175)
gamma-BHC (Lindane)	0.1	1.3	0.1	ND (0.000798)	ND (0.000725)	ND (0.000708)	ND (0.000902)	ND (0.000769)	ND (0.00073)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.00239)	ND (0.00218)	0.000619 J	0.00552 J+	0.00128 J+	ND (0.00219)
Heptachlor	0.38	2.1	0.042	ND (0.000957)	ND (0.00087)	ND (0.00085)	ND (0.00108)	ND (0.000922)	ND (0.000876)
Heptachlor epoxide	NA	NA	NA	ND (0.00359)	ND (0.00326)	ND (0.00319)	ND (0.00406)	ND (0.00346)	ND (0.00328)
Methoxychlor	NA	NA	NA	ND (0.00359)	ND (0.00326)	ND (0.00319)	ND (0.00406)	ND (0.00346)	ND (0.00328)
Toxaphene	NA	NA	NA	ND (0.0359)	ND (0.0326)	ND (0.0319)	ND (0.0406)	ND (0.0346)	ND (0.0328)

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TABLE 2d

REMEDIAL INVESTIGATION - PESTICIDES ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET
BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-04 HA-04 (2-4) 02/02/2023 L2305934-01 2 - 2 (ft)	HA-04 HA-04 (6-8) 02/02/2023 L2305934-02 6 - 8 (ft)	HA-04 DUP_1_02022023 02/02/2023 L2305934-09 6 - 8 (ft)	HA-04 HA-04 (10-12) 02/02/2023 L2305934-03 10 - 12 (ft)	HA-04 HA-04 (14-16) 02/02/2023 L2305934-04 14 - 16 (ft)	HA-05 HA-05 (2-4) 02/02/2023 L2305934-05 2 - 4 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
Pesticides (mg/kg)									
4,4'-DDD	14	13	0.0033	0.0116	ND (0.00194)	ND (0.00191)	ND (0.0205)	ND (0.00312)	0.00288
4,4'-DDE	17	8.9	0.0033	0.00588	ND (0.00194)	ND (0.00191)	ND (0.0205)	ND (0.00312)	0.0036
4,4'-DDT	136	7.9	0.0033	0.00359 J	ND (0.00194)	ND (0.00191)	ND (0.0205)	ND (0.00312)	0.00235 J
Aldrin	0.19	0.097	0.005	ND (0.0017)	ND (0.00194)	ND (0.00191)	ND (0.0205)	ND (0.00312)	ND (0.00167)
alpha-BHC	0.02	0.48	0.02	ND (0.000709)	ND (0.000809)	ND (0.000796)	ND (0.00855)	0.00764 J	ND (0.000696)
alpha-Chlordane (cis)	2.9	4.2	0.094	0.00236	ND (0.00243)	ND (0.00239)	ND (0.0257)	ND (0.0039)	0.00115 J
beta-BHC	0.09	0.36	0.036	ND (0.0017)	ND (0.00194)	ND (0.00191)	ND (0.0205)	ND (0.00312)	ND (0.00167)
Chlordane	NA	NA	NA	ND (0.0142)	ND (0.0162)	ND (0.0159)	ND (0.171)	ND (0.026)	ND (0.0139)
delta-BHC	0.25	100	0.04	ND (0.0017)	ND (0.00194)	ND (0.00191)	ND (0.0205)	ND (0.00312)	ND (0.00167)
Dieldrin	0.1	0.2	0.005	ND (0.00106)	ND (0.00121)	ND (0.00119)	ND (0.0128)	ND (0.00195)	0.00402
Endosulfan I	102	24	2.4	ND (0.0017)	ND (0.00194)	ND (0.00191)	ND (0.0205)	ND (0.00312)	ND (0.00167)
Endosulfan II	102	24	2.4	ND (0.0017)	ND (0.00194)	ND (0.00191)	ND (0.0205)	ND (0.00312)	ND (0.00167)
Endosulfan sulfate	1000	24	2.4	ND (0.000709)	ND (0.000809)	ND (0.000796)	ND (0.00855)	ND (0.0013)	ND (0.000696)
Endrin	0.06	11	0.014	ND (0.000709)	ND (0.000809)	ND (0.000796)	ND (0.00855)	ND (0.0013)	ND (0.000696)
Endrin aldehyde	NA	NA	NA	ND (0.00213)	ND (0.00243)	ND (0.00239)	ND (0.0257)	ND (0.0039)	ND (0.00209)
Endrin ketone	NA	NA	NA	ND (0.0017)	ND (0.00194)	ND (0.00191)	ND (0.0205)	ND (0.00312)	ND (0.00167)
gamma-BHC (Lindane)	0.1	1.3	0.1	ND (0.000709)	ND (0.000809)	ND (0.000796)	ND (0.00855)	ND (0.0013)	ND (0.000696)
gamma-Chlordane (trans)	NA	NA	NA	0.00216 J+	ND (0.00243)	ND (0.00239)	ND (0.0257)	ND (0.0039)	0.00138 J
Heptachlor	0.38	2.1	0.042	ND (0.000851)	ND (0.00097)	ND (0.000955)	ND (0.0103)	ND (0.00156)	ND (0.000835)
Heptachlor epoxide	NA	NA	NA	ND (0.00319)	ND (0.00364)	ND (0.00358)	ND (0.0385)	ND (0.00585)	ND (0.00313)
Methoxychlor	NA	NA	NA	ND (0.00319)	ND (0.00364)	ND (0.00358)	ND (0.0385)	ND (0.00585)	ND (0.00313)
Toxaphene	NA	NA	NA	ND (0.0319)	ND (0.0364)	ND (0.0358)	ND (0.385)	ND (0.0585)	ND (0.0313)

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TABLE 2d

REMEDIAL INVESTIGATION - PESTICIDES ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-05 HA-05 (6-8) 02/02/2023 L2305934-06 6 - 8 (ft)	HA-05 HA-05 (10-12) 02/02/2023 L2305934-07 10 - 12 (ft)	HA-05 HA-05 (14-16) 02/02/2023 L2305934-08 14 - 16 (ft)	HA-06 HA-06 (2-4) 02/01/2023 L2305570-01 2 - 4 (ft)	HA-06 HA-06 (6-8) 02/01/2023 L2305570-02 6 - 8 (ft)	HA-06 HA-06 (10-12) 02/01/2023 L2305570-03 10 - 12 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
Pesticides (mg/kg)									
4,4'-DDD	14	13	0.0033	ND (0.0018)	ND (0.00179)	ND (0.00178)	ND (0.00186)	ND (0.0017)	ND (0.00179)
4,4'-DDE	17	8.9	0.0033	ND (0.0018)	ND (0.00179)	ND (0.00178)	0.00238 J+	ND (0.0017)	ND (0.00179)
4,4'-DDT	136	7.9	0.0033	ND (0.0018)	ND (0.00179)	ND (0.00178)	ND (0.00186)	ND (0.0017)	ND (0.00179)
Aldrin	0.19	0.097	0.005	ND (0.0018)	ND (0.00179)	ND (0.00178)	ND (0.00186)	ND (0.0017)	ND (0.00179)
alpha-BHC	0.02	0.48	0.02	ND (0.000751)	ND (0.000746)	ND (0.000741)	ND (0.000777)	ND (0.00071)	ND (0.000745)
alpha-Chlordane (cis)	2.9	4.2	0.094	ND (0.00225)	ND (0.00224)	ND (0.00222)	ND (0.00233)	ND (0.00213)	ND (0.00224)
beta-BHC	0.09	0.36	0.036	ND (0.0018)	ND (0.00179)	ND (0.00178)	ND (0.00186)	ND (0.0017)	ND (0.00179)
Chlordane	NA	NA	NA	ND (0.015)	ND (0.0149)	ND (0.0148)	ND (0.0155)	ND (0.0142)	ND (0.0149)
delta-BHC	0.25	100	0.04	ND (0.0018)	ND (0.00179)	ND (0.00178)	ND (0.00186)	ND (0.0017)	ND (0.00179)
Dieldrin	0.1	0.2	0.005	ND (0.00113)	ND (0.00112)	ND (0.00111)	ND (0.00117)	ND (0.00106)	ND (0.00112)
Endosulfan I	102	24	2.4	ND (0.0018)	ND (0.00179)	ND (0.00178)	ND (0.00186)	ND (0.0017)	ND (0.00179)
Endosulfan II	102	24	2.4	ND (0.0018)	ND (0.00179)	ND (0.00178)	ND (0.00186)	ND (0.0017)	ND (0.00179)
Endosulfan sulfate	1000	24	2.4	ND (0.000751)	ND (0.000746)	ND (0.000741)	ND (0.000777)	ND (0.00071)	ND (0.000745)
Endrin	0.06	11	0.014	ND (0.000751)	ND (0.000746)	ND (0.000741)	ND (0.000777)	ND (0.00071)	ND (0.000745)
Endrin aldehyde	NA	NA	NA	ND (0.00225)	ND (0.00224)	ND (0.00222)	ND (0.00233)	ND (0.00213)	ND (0.00224)
Endrin ketone	NA	NA	NA	ND (0.0018)	ND (0.00179)	ND (0.00178)	ND (0.00186)	ND (0.0017)	ND (0.00179)
gamma-BHC (Lindane)	0.1	1.3	0.1	ND (0.000751)	ND (0.000746)	ND (0.000741)	ND (0.000777)	ND (0.00071)	ND (0.000745)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.00225)	ND (0.00224)	ND (0.00222)	ND (0.00233)	ND (0.00213)	ND (0.00224)
Heptachlor	0.38	2.1	0.042	ND (0.000901)	ND (0.000895)	ND (0.00089)	ND (0.000933)	ND (0.000852)	ND (0.000894)
Heptachlor epoxide	NA	NA	NA	ND (0.00338)	ND (0.00336)	ND (0.00334)	ND (0.0035)	ND (0.0032)	ND (0.00335)
Methoxychlor	NA	NA	NA	ND (0.00338)	ND (0.00336)	ND (0.00334)	ND (0.0035)	ND (0.0032)	ND (0.00335)
Toxaphene	NA	NA	NA	ND (0.0338)	ND (0.0336)	ND (0.0334)	ND (0.035)	ND (0.032)	ND (0.0335)

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TABLE 2d

REMEDIAL INVESTIGATION - PESTICIDES ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-06	HA-07	HA-07	HA-07	HA-07	HA-08
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-06 (14-16) 02/01/2023 L2305570-04 14 - 16 (ft)	HA-07 (2-4) 02/09/2023 L2307196-01 L2310952-10 2 - 4 (ft)	HA-07 (6-8) 02/09/2023 L2307196-02 L2310952-11 6 - 8 (ft)	HA-07 (10-12) 02/09/2023 L2307196-03 L2310952-12 10 - 12 (ft)	HA-07 (14-16) 02/09/2023 L2307196-04 L2310952-13 14 - 16 (ft)	HA-08 (2-4) 02/01/2023 L2305570-05 2 - 4 (ft)
Pesticides (mg/kg)									
4,4'-DDD	14	13	0.0033	ND (0.00185)	0.00166 J+	ND (0.00204)	0.00219 R	ND (0.00174)	0.0382
4,4'-DDE	17	8.9	0.0033	ND (0.00185)	0.00874 J+	ND (0.00204)	0.00246 J-	ND (0.00174)	0.0219
4,4'-DDT	136	7.9	0.0033	ND (0.00185)	0.0456 J+	ND (0.00204)	0.0154 J-	ND (0.00174)	0.0639 J+
Aldrin	0.19	0.097	0.005	ND (0.00185)	ND (0.00183)	ND (0.00204)	0.00219 R	ND (0.00174)	ND (0.00172)
alpha-BHC	0.02	0.48	0.02	ND (0.000772)	ND (0.000763)	ND (0.00085)	0.000913 R	ND (0.000726)	ND (0.000717)
alpha-Chlordane (cis)	2.9	4.2	0.094	ND (0.00232)	0.0104 J+	ND (0.00255)	0.00514 J-	ND (0.00218)	0.0108 J+
beta-BHC	0.09	0.36	0.036	ND (0.00185)	ND (0.00183)	ND (0.00204)	0.00219 R	ND (0.00174)	ND (0.00172)
Chlordane	NA	NA	NA	ND (0.0154)	0.0563 J+	ND (0.017)	0.0183 R	ND (0.0145)	0.0827 J+
delta-BHC	0.25	100	0.04	ND (0.00185)	ND (0.00183)	ND (0.00204)	0.00219 R	ND (0.00174)	ND (0.00172)
Dieldrin	0.1	0.2	0.005	ND (0.00116)	0.00854 J+	0.000762 J+	0.0063 J-	ND (0.00109)	0.00883 J+
Endosulfan I	102	24	2.4	ND (0.00185)	ND (0.00183)	ND (0.00204)	0.00219 R	ND (0.00174)	ND (0.00172)
Endosulfan II	102	24	2.4	ND (0.00185)	ND (0.00183)	ND (0.00204)	0.00219 R	ND (0.00174)	ND (0.00172)
Endosulfan sulfate	1000	24	2.4	ND (0.000772)	ND (0.000763)	ND (0.00085)	0.000913 R	ND (0.000726)	ND (0.000717)
Endrin	0.06	11	0.014	ND (0.000772)	ND (0.000763)	ND (0.00085)	0.000913 R	ND (0.000726)	ND (0.000717)
Endrin aldehyde	NA	NA	NA	ND (0.00232)	ND (0.00229)	ND (0.00255)	0.00274 R	ND (0.00218)	ND (0.00215)
Endrin ketone	NA	NA	NA	ND (0.00185)	ND (0.00183)	ND (0.00204)	0.00219 R	ND (0.00174)	ND (0.00172)
gamma-BHC (Lindane)	0.1	1.3	0.1	ND (0.000772)	ND (0.000763)	ND (0.00085)	0.000913 R	ND (0.000726)	ND (0.000717)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.00232)	0.0103 J+	ND (0.00255)	0.00109 J	ND (0.00218)	0.0101
Heptachlor	0.38	2.1	0.042	ND (0.000926)	ND (0.000916)	ND (0.00102)	0.0011 R	ND (0.000872)	ND (0.000861)
Heptachlor epoxide	NA	NA	NA	ND (0.00347)	ND (0.00343)	ND (0.00382)	0.00411 R	ND (0.00327)	0.00122 J+
Methoxychlor	NA	NA	NA	ND (0.00347)	0.00295 J	ND (0.00382)	0.00521 J-	0.0118 J+	ND (0.00323)
Toxaphene	NA	NA	NA	ND (0.0347)	ND (0.0343)	ND (0.0382)	0.0411 R	ND (0.0327)	ND (0.0323)

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TABLE 2d

REMEDIAL INVESTIGATION - PESTICIDES ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-08 HA-08 (6-8) 02/01/2023 L2305570-06 6 - 8 (ft)	HA-08 HA-08 (10-12) 02/01/2023 L2305570-07 10 - 12 (ft)	HA-08 HA-08 (14-16) 02/01/2023 L2305570-08 14 - 16 (ft)	HA-09 HA-09 (2-4) 02/09/2023 L2307196-05 2 - 4 (ft)	HA-09 HA-09 (6-8) 02/09/2023 L2307196-06 6 - 8 (ft)	HA-09 HA-09 (10-12) 02/09/2023 L2307196-07 10 - 12 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
Pesticides (mg/kg)									
4,4'-DDD	14	13	0.0033	ND (0.00176)	ND (0.00208)	ND (0.00664)	ND (0.00176)	0.0132 J+	ND (0.00187)
4,4'-DDE	17	8.9	0.0033	ND (0.00176)	ND (0.00208)	ND (0.00664)	ND (0.00176)	0.0203 J+	ND (0.00187)
4,4'-DDT	136	7.9	0.0033	ND (0.00176)	ND (0.00208)	ND (0.00664)	ND (0.00176)	0.0311 J+	ND (0.00187)
Aldrin	0.19	0.097	0.005	ND (0.00176)	ND (0.00208)	ND (0.00664)	ND (0.00176)	ND (0.00194)	ND (0.00187)
alpha-BHC	0.02	0.48	0.02	ND (0.000733)	ND (0.000865)	ND (0.00277)	ND (0.000735)	ND (0.000809)	ND (0.000778)
alpha-Chlordane (cis)	2.9	4.2	0.094	ND (0.0022)	ND (0.00259)	ND (0.0083)	ND (0.0022)	0.0136 J+	ND (0.00233)
beta-BHC	0.09	0.36	0.036	ND (0.00176)	ND (0.00208)	ND (0.00664)	ND (0.00176)	ND (0.00194)	ND (0.00187)
Chlordane	NA	NA	NA	ND (0.0147)	ND (0.0173)	ND (0.0553)	ND (0.0147)	0.0699 J+	ND (0.0156)
delta-BHC	0.25	100	0.04	ND (0.00176)	ND (0.00208)	ND (0.00664)	ND (0.00176)	ND (0.00194)	ND (0.00187)
Dieldrin	0.1	0.2	0.005	ND (0.0011)	ND (0.0013)	ND (0.00415)	ND (0.0011)	0.00898 J+	ND (0.00117)
Endosulfan I	102	24	2.4	ND (0.00176)	ND (0.00208)	ND (0.00664)	ND (0.00176)	ND (0.00194)	ND (0.00187)
Endosulfan II	102	24	2.4	ND (0.00176)	ND (0.00208)	ND (0.00664)	ND (0.00176)	ND (0.00194)	ND (0.00187)
Endosulfan sulfate	1000	24	2.4	ND (0.000733)	ND (0.000865)	ND (0.00277)	ND (0.000735)	ND (0.000809)	ND (0.000778)
Endrin	0.06	11	0.014	ND (0.000733)	ND (0.000865)	ND (0.00277)	ND (0.000735)	ND (0.000809)	ND (0.000778)
Endrin aldehyde	NA	NA	NA	ND (0.0022)	ND (0.00259)	ND (0.0083)	ND (0.0022)	ND (0.00243)	ND (0.00233)
Endrin ketone	NA	NA	NA	ND (0.00176)	ND (0.00208)	ND (0.00664)	ND (0.00176)	ND (0.00194)	ND (0.00187)
gamma-BHC (Lindane)	0.1	1.3	0.1	ND (0.000733)	ND (0.000865)	ND (0.00277)	ND (0.000735)	ND (0.000809)	ND (0.000778)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.0022)	ND (0.00259)	ND (0.0083)	ND (0.0022)	0.0138 J+	ND (0.00233)
Heptachlor	0.38	2.1	0.042	ND (0.00088)	ND (0.00104)	ND (0.00332)	ND (0.000882)	ND (0.000971)	ND (0.000934)
Heptachlor epoxide	NA	NA	NA	ND (0.0033)	ND (0.00389)	ND (0.0124)	ND (0.00331)	ND (0.00364) J	ND (0.0035)
Methoxychlor	NA	NA	NA	ND (0.0033)	ND (0.00389)	ND (0.0124)	0.00964 J+	0.0107 J+	ND (0.0035)
Toxaphene	NA	NA	NA	ND (0.033)	ND (0.0389)	ND (0.124)	ND (0.0331)	ND (0.0364)	ND (0.035)

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TABLE 2d

REMEDIAL INVESTIGATION - PESTICIDES ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-09	HA-10	HA-10	HA-10	HA-10	HA-11
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-09 (14-16) 02/09/2023 L2307196-08 L2310952-15 14 - 16 (ft)	HA-10 (2-4) 02/08/2023 L2306883-09 L2310952-33 2 - 4 (ft)	HA-10 (6-8) 02/08/2023 L2306883-10 6 - 8 (ft)	HA-10 (10-12) 02/08/2023 L2306883-11 L2310952-34 10 - 12 (ft)	HA-10 (14-16) 02/08/2023 L2306883-12 L2310952-35 14 - 16 (ft)	HA-11 (2-4) 02/09/2023 L2307196-09 L2310952-16 2 - 4 (ft)
Pesticides (mg/kg)									
4,4'-DDD	14	13	0.0033	ND (0.00179)	0.00297	0.0035 J+	ND (0.00183)	ND (0.0019)	0.00359 J+
4,4'-DDE	17	8.9	0.0033	ND (0.00179)	0.00372 J	0.0045	ND (0.00183)	ND (0.0019)	0.00261 J+
4,4'-DDT	136	7.9	0.0033	ND (0.00179)	0.00448 J	0.00823 J+	ND (0.00183)	ND (0.0019)	0.00936 J+
Aldrin	0.19	0.097	0.005	ND (0.00179)	ND (0.00179)	ND (0.00212)	ND (0.00183)	ND (0.0019)	ND (0.00176)
alpha-BHC	0.02	0.48	0.02	ND (0.000746)	ND (0.000747)	ND (0.000884)	ND (0.000764)	0.00252	ND (0.000732)
alpha-Chlordane (cis)	2.9	4.2	0.094	ND (0.00224)	0.00124 J+	0.00257 J+	ND (0.00229)	ND (0.00238)	0.00298 J+
beta-BHC	0.09	0.36	0.036	ND (0.00179)	ND (0.00179)	ND (0.00212)	ND (0.00183)	ND (0.0019)	ND (0.00176)
Chlordane	NA	NA	NA	ND (0.0149)	ND (0.0149)	0.0236	ND (0.0153)	ND (0.0158)	ND (0.0146)
delta-BHC	0.25	100	0.04	ND (0.00179)	ND (0.00179)	ND (0.00212)	ND (0.00183)	ND (0.0019)	ND (0.00176)
Dieldrin	0.1	0.2	0.005	ND (0.00112)	ND (0.00112)	0.0024 J+	ND (0.00115)	ND (0.00119)	ND (0.0011)
Endosulfan I	102	24	2.4	ND (0.00179)	ND (0.00179)	ND (0.00212)	ND (0.00183)	ND (0.0019)	ND (0.00176)
Endosulfan II	102	24	2.4	ND (0.00179)	ND (0.00179)	ND (0.00212)	ND (0.00183)	ND (0.0019)	ND (0.00176)
Endosulfan sulfate	1000	24	2.4	ND (0.000746)	ND (0.000747)	ND (0.000884)	ND (0.000764)	ND (0.000793)	ND (0.000732)
Endrin	0.06	11	0.014	ND (0.000746)	ND (0.000747)	ND (0.000884)	ND (0.000764)	ND (0.000793)	ND (0.000732)
Endrin aldehyde	NA	NA	NA	ND (0.00224)	ND (0.00224)	ND (0.00265)	ND (0.00229)	ND (0.00238)	ND (0.00219)
Endrin ketone	NA	NA	NA	ND (0.00179)	ND (0.00179)	ND (0.00212)	ND (0.00183)	ND (0.0019)	ND (0.00176)
gamma-BHC (Lindane)	0.1	1.3	0.1	ND (0.000746)	ND (0.000747)	ND (0.000884)	ND (0.000764)	ND (0.000793)	ND (0.000732)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.00224)	0.00151 J	0.00478	0.00119 J	0.00156 J	0.000579 J+
Heptachlor	0.38	2.1	0.042	ND (0.000896)	ND (0.000897)	ND (0.00106)	ND (0.000917)	ND (0.000951)	ND (0.000878)
Heptachlor epoxide	NA	NA	NA	ND (0.00336)	ND (0.00336)	ND (0.00398)	ND (0.00344)	ND (0.00357)	ND (0.00329)
Methoxychlor	NA	NA	NA	ND (0.00336)	ND (0.00336)	ND (0.00398)	ND (0.00344)	ND (0.00357)	0.0118 J+
Toxaphene	NA	NA	NA	ND (0.0336)	ND (0.0336)	ND (0.0398)	ND (0.0344)	ND (0.0357)	ND (0.0329)

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TABLE 2d

REMEDIAL INVESTIGATION - PESTICIDES ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-11 HA-11 (6-8) 02/09/2023 L2307196-10 6 - 8 (ft)	HA-11 HA-11 (10-12) 02/09/2023 L2307196-11 L2310952-17 10 - 12 (ft)	HA-11 HA-11 (14-16) 02/09/2023 L2307196-12 L2310952-18 14 - 16 (ft)	HA-12 HA-12 (2-4) 02/09/2023 L2307196-13 L2310952-19 2 - 4 (ft)	HA-12 HA-12 (6-8) 02/09/2023 L2307196-14 L2310952-20 6 - 8 (ft)	HA-12 HA-12 (10-12) 02/09/2023 L2307196-15 L2310952-21 10 - 12 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
Pesticides (mg/kg)									
4,4'-DDD	14	13	0.0033	ND (0.0019)	ND (0.00172)	ND (0.00182)	ND (0.00188)	ND (0.0018)	ND (0.00181)
4,4'-DDE	17	8.9	0.0033	ND (0.0019)	ND (0.00172)	0.00116 J+	ND (0.00188)	ND (0.0018)	ND (0.00181)
4,4'-DDT	136	7.9	0.0033	ND (0.0019)	ND (0.00172)	ND (0.00182) J	ND (0.00188)	ND (0.0018)	ND (0.00181)
Aldrin	0.19	0.097	0.005	ND (0.0019)	ND (0.00172)	ND (0.00182)	ND (0.00188)	ND (0.0018)	ND (0.00181)
alpha-BHC	0.02	0.48	0.02	ND (0.00079)	ND (0.000717)	ND (0.00076)	ND (0.000784)	ND (0.00075)	ND (0.000756)
alpha-Chlordane (cis)	2.9	4.2	0.094	ND (0.00237)	ND (0.00215)	ND (0.00228)	ND (0.00235)	ND (0.00225)	ND (0.00227)
beta-BHC	0.09	0.36	0.036	ND (0.0019)	ND (0.00172)	ND (0.00182)	ND (0.00188)	ND (0.0018)	ND (0.00181)
Chlordane	NA	NA	NA	ND (0.0158)	ND (0.0143)	ND (0.0152)	ND (0.0157)	ND (0.015)	ND (0.0151)
delta-BHC	0.25	100	0.04	ND (0.0019)	ND (0.00172)	ND (0.00182)	ND (0.00188)	ND (0.0018)	ND (0.00181)
Dieldrin	0.1	0.2	0.005	ND (0.00118)	ND (0.00108)	ND (0.00114)	ND (0.00118)	ND (0.00112)	ND (0.00113)
Endosulfan I	102	24	2.4	ND (0.0019)	ND (0.00172)	ND (0.00182)	ND (0.00188)	ND (0.0018)	ND (0.00181)
Endosulfan II	102	24	2.4	ND (0.0019)	ND (0.00172)	ND (0.00182)	ND (0.00188)	ND (0.0018)	ND (0.00181)
Endosulfan sulfate	1000	24	2.4	ND (0.00079)	ND (0.000717)	ND (0.00076)	ND (0.000784)	ND (0.00075)	ND (0.000756)
Endrin	0.06	11	0.014	ND (0.00079)	ND (0.000717)	ND (0.00076)	ND (0.000784)	ND (0.00075)	ND (0.000756)
Endrin aldehyde	NA	NA	NA	ND (0.00237)	ND (0.00215)	ND (0.00228)	ND (0.00235)	ND (0.00225)	ND (0.00227)
Endrin ketone	NA	NA	NA	ND (0.0019)	ND (0.00172)	ND (0.00182)	ND (0.00188)	ND (0.0018)	ND (0.00181)
gamma-BHC (Lindane)	0.1	1.3	0.1	ND (0.00079)	ND (0.000717)	ND (0.00076)	ND (0.000784)	ND (0.00075)	ND (0.000756)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.00237)	ND (0.00215)	ND (0.00228)	ND (0.00235)	ND (0.00225)	ND (0.00227)
Heptachlor	0.38	2.1	0.042	ND (0.000948)	ND (0.000861)	ND (0.000911)	ND (0.000941)	ND (0.0009)	ND (0.000907)
Heptachlor epoxide	NA	NA	NA	ND (0.00356)	ND (0.00323)	ND (0.00342)	ND (0.00353)	ND (0.00338)	ND (0.0034)
Methoxychlor	NA	NA	NA	ND (0.00356)	ND (0.00323)	ND (0.00342)	0.0194 J+	ND (0.00338)	ND (0.0034)
Toxaphene	NA	NA	NA	ND (0.0356)	ND (0.0323)	ND (0.0342)	ND (0.0353)	ND (0.0338)	ND (0.034)

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TABLE 2d

REMEDIAL INVESTIGATION - PESTICIDES ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-12	HA-13	HA-13	HA-13	HA-13	HA-14
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-12 (14-16) 02/09/2023 L2307196-16 14 - 16 (ft)	HA-13 (2-4) 02/13/2023 L2307677-01 L2310952-01 2 - 4 (ft)	HA-13 (6-8) 02/13/2023 L2307677-02 L2310952-02 6 - 8 (ft)	HA-13 (10-12) 02/13/2023 L2307677-03 L2310952-03 10 - 12 (ft)	HA-13 (14-16) 02/13/2023 L2307677-04 L2310952-04 14 - 16 (ft)	HA-14 (2-4) 02/01/2023 L2305570-09 2 - 4 (ft)
Pesticides (mg/kg)									
4,4'-DDD	14	13	0.0033	ND (0.00185)	ND (0.00175)	ND (0.00178)	ND (0.00201)	ND (0.00252)	0.0289
4,4'-DDE	17	8.9	0.0033	ND (0.00185)	ND (0.00175)	ND (0.00178)	ND (0.00201)	ND (0.00252)	0.0201
4,4'-DDT	136	7.9	0.0033	ND (0.00185)	ND (0.00175)	ND (0.00178)	0.00498 J	ND (0.00252)	0.0181
Aldrin	0.19	0.097	0.005	ND (0.00185)	ND (0.00175)	ND (0.00178)	ND (0.00201)	ND (0.00252)	ND (0.00179)
alpha-BHC	0.02	0.48	0.02	ND (0.000772)	ND (0.00073)	ND (0.00074)	ND (0.000837)	ND (0.00105)	ND (0.000745)
alpha-Chlordane (cis)	2.9	4.2	0.094	ND (0.00231)	0.00354	ND (0.00222)	ND (0.00251)	ND (0.00315)	0.00756
beta-BHC	0.09	0.36	0.036	ND (0.00185)	ND (0.00175)	ND (0.00178)	ND (0.00201)	ND (0.00252)	ND (0.00179)
Chlordane	NA	NA	NA	ND (0.0154)	0.13 J+	ND (0.0148)	ND (0.0167)	ND (0.021)	0.0381
delta-BHC	0.25	100	0.04	ND (0.00185)	ND (0.00175)	ND (0.00178)	ND (0.00201)	ND (0.00252)	ND (0.00179)
Dieldrin	0.1	0.2	0.005	ND (0.00116)	ND (0.0011)	ND (0.00111)	0.00125 J	ND (0.00157)	ND (0.00112)
Endosulfan I	102	24	2.4	ND (0.00185)	ND (0.00175)	ND (0.00178)	ND (0.00201)	ND (0.00252)	ND (0.00179)
Endosulfan II	102	24	2.4	ND (0.00185)	ND (0.00175)	ND (0.00178)	ND (0.00201)	ND (0.00252)	ND (0.00179)
Endosulfan sulfate	1000	24	2.4	ND (0.000772)	ND (0.00073)	ND (0.00074)	ND (0.000837)	ND (0.00105)	ND (0.000745)
Endrin	0.06	11	0.014	ND (0.000772)	ND (0.00073)	ND (0.00074)	ND (0.000837)	ND (0.00105)	ND (0.000745)
Endrin aldehyde	NA	NA	NA	ND (0.00231)	ND (0.00219)	ND (0.00222)	ND (0.00251)	ND (0.00315)	ND (0.00224)
Endrin ketone	NA	NA	NA	ND (0.00185)	ND (0.00175)	ND (0.00178)	ND (0.00201)	ND (0.00252)	ND (0.00179)
gamma-BHC (Lindane)	0.1	1.3	0.1	ND (0.000772)	ND (0.00073)	ND (0.00074)	ND (0.000837)	ND (0.00105)	ND (0.000745)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.00231)	0.00389 J+	ND (0.00222)	ND (0.00251)	ND (0.00315)	0.00566
Heptachlor	0.38	2.1	0.042	ND (0.000926)	ND (0.000876)	ND (0.000888)	ND (0.001)	ND (0.00126)	ND (0.000894)
Heptachlor epoxide	NA	NA	NA	ND (0.00347)	ND (0.00329)	ND (0.00333)	ND (0.00377)	ND (0.00472)	ND (0.00335) J
Methoxychlor	NA	NA	NA	ND (0.00347)	ND (0.00329)	ND (0.00333)	ND (0.00377)	ND (0.00472)	ND (0.00335)
Toxaphene	NA	NA	NA	ND (0.0347)	ND (0.0329)	ND (0.0333)	ND (0.0377)	ND (0.0472)	ND (0.0335)

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TABLE 2d

REMEDIAL INVESTIGATION - PESTICIDES ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-14	HA-14	HA-14	HA-15	HA-15	HA-15
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-14 (6-8) 02/01/2023 L2305570-10 6 - 8 (ft)	HA-14 (10-12) 02/01/2023 L2305570-11 10 - 12 (ft)	HA-14 (14-16) 02/01/2023 L2305570-12 14 - 16 (ft)	HA-15 (2-4) 02/01/2023 L2305570-13 2 - 4 (ft)	HA-15 (6-8) 02/01/2023 L2305570-14 6 - 8 (ft)	HA-15 (10-12) 02/01/2023 L2305570-15 10 - 12 (ft)
Pesticides (mg/kg)									
4,4'-DDD	14	13	0.0033	ND (0.00179)	ND (0.00174)	ND (0.00678)	0.0178	ND (0.00173)	ND (0.00208) J
4,4'-DDE	17	8.9	0.0033	0.00644	ND (0.00174)	ND (0.00678)	0.00632	ND (0.00173)	ND (0.00208)
4,4'-DDT	136	7.9	0.0033	0.00729	ND (0.00174)	ND (0.00678)	0.00235 J	ND (0.00173)	ND (0.00208)
Aldrin	0.19	0.097	0.005	ND (0.00179)	ND (0.00174)	ND (0.00678)	ND (0.00164)	ND (0.00173)	ND (0.00208)
alpha-BHC	0.02	0.48	0.02	ND (0.000746)	ND (0.000726)	ND (0.00283)	ND (0.000685)	ND (0.000723)	ND (0.000868)
alpha-Chlordane (cis)	2.9	4.2	0.094	ND (0.00224)	ND (0.00218)	ND (0.00848)	0.00311	ND (0.00217)	ND (0.0026)
beta-BHC	0.09	0.36	0.036	ND (0.00179)	ND (0.00174)	ND (0.00678)	ND (0.00164)	ND (0.00173)	ND (0.00208)
Chlordane	NA	NA	NA	ND (0.0149)	ND (0.0145)	ND (0.0565)	0.028	ND (0.0144)	ND (0.0174)
delta-BHC	0.25	100	0.04	ND (0.00179)	ND (0.00174)	ND (0.00678)	ND (0.00164)	ND (0.00173)	ND (0.00208)
Dieldrin	0.1	0.2	0.005	ND (0.00112)	ND (0.00109)	ND (0.00424)	0.00858	ND (0.00108)	ND (0.0013)
Endosulfan I	102	24	2.4	ND (0.00179)	ND (0.00174)	ND (0.00678)	ND (0.00164)	ND (0.00173)	ND (0.00208)
Endosulfan II	102	24	2.4	ND (0.00179)	ND (0.00174)	ND (0.00678)	ND (0.00164)	ND (0.00173)	ND (0.00208)
Endosulfan sulfate	1000	24	2.4	ND (0.000746)	ND (0.000726)	ND (0.00283)	ND (0.000685)	ND (0.000723)	ND (0.000868)
Endrin	0.06	11	0.014	ND (0.000746)	ND (0.000726)	ND (0.00283)	ND (0.000685)	ND (0.000723)	ND (0.000868)
Endrin aldehyde	NA	NA	NA	ND (0.00224)	ND (0.00218)	ND (0.00848)	ND (0.00206)	ND (0.00217)	ND (0.0026)
Endrin ketone	NA	NA	NA	ND (0.00179)	ND (0.00174)	ND (0.00678)	ND (0.00164)	ND (0.00173)	ND (0.00208)
gamma-BHC (Lindane)	0.1	1.3	0.1	ND (0.000746)	ND (0.000726)	ND (0.00283)	ND (0.000685)	ND (0.000723)	ND (0.000868)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.00224)	ND (0.00218)	ND (0.00848)	0.00431	ND (0.00217)	ND (0.0026)
Heptachlor	0.38	2.1	0.042	ND (0.000896)	ND (0.000871)	ND (0.00339)	ND (0.000822)	ND (0.000867)	ND (0.00104)
Heptachlor epoxide	NA	NA	NA	ND (0.00336)	ND (0.00327)	ND (0.0127)	ND (0.00308)	ND (0.00325)	ND (0.0039)
Methoxychlor	NA	NA	NA	ND (0.00336)	ND (0.00327)	ND (0.0127)	ND (0.00308)	ND (0.00325)	ND (0.0039)
Toxaphene	NA	NA	NA	ND (0.0336)	ND (0.0327)	ND (0.127)	ND (0.0308)	ND (0.0325)	ND (0.039)

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TABLE 2d

REMEDIAL INVESTIGATION - PESTICIDES ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-15	HA-16	HA-16	HA-16	HA-16	HA-17
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-15 (14-16) 02/01/2023 L2305570-16 14 - 16 (ft)	HA-16 (2-4) 02/01/2023 L2305570-17 2 - 4 (ft)	HA-16 (6-8) 02/01/2023 L2305570-18 6 - 8 (ft)	HA-16 (10-12) 02/01/2023 L2305570-19 10 - 12 (ft)	HA-16 (14-16) 02/01/2023 L2305570-20 14 - 16 (ft)	HA-17 (2-4) 02/08/2023 L2306883-13 L2310952-36 2 - 4 (ft)
Pesticides (mg/kg)									
4,4'-DDD	14	13	0.0033	ND (0.00601)	ND (0.00164)	ND (0.00176)	ND (0.00178)	ND (0.00174)	0.0106
4,4'-DDE	17	8.9	0.0033	ND (0.00601)	0.00146 J	ND (0.00176)	ND (0.00178)	ND (0.00174)	0.00412
4,4'-DDT	136	7.9	0.0033	ND (0.00601)	0.0029	ND (0.00176)	ND (0.00178)	ND (0.00174)	0.00609 J+
Aldrin	0.19	0.097	0.005	ND (0.00601)	ND (0.00164)	ND (0.00176)	ND (0.00178)	ND (0.00174)	ND (0.00178)
alpha-BHC	0.02	0.48	0.02	ND (0.0025)	ND (0.000685)	ND (0.000735)	ND (0.00074)	ND (0.000724)	ND (0.000741)
alpha-Chlordane (cis)	2.9	4.2	0.094	ND (0.00751)	ND (0.00206)	ND (0.0022)	ND (0.00222)	ND (0.00217)	0.00158 J
beta-BHC	0.09	0.36	0.036	ND (0.00601)	ND (0.00164)	ND (0.00176)	ND (0.00178)	ND (0.00174)	ND (0.00178)
Chlordane	NA	NA	NA	ND (0.0501)	ND (0.0137)	ND (0.0147)	ND (0.0148)	ND (0.0145)	0.0138 J
delta-BHC	0.25	100	0.04	ND (0.00601)	ND (0.00164)	ND (0.00176)	ND (0.00178)	ND (0.00174)	ND (0.00178)
Dieldrin	0.1	0.2	0.005	ND (0.00376)	ND (0.00103)	ND (0.0011)	ND (0.00111)	ND (0.00108)	ND (0.00111)
Endosulfan I	102	24	2.4	ND (0.00601)	ND (0.00164)	ND (0.00176)	ND (0.00178)	ND (0.00174)	ND (0.00178)
Endosulfan II	102	24	2.4	ND (0.00601)	ND (0.00164)	ND (0.00176)	ND (0.00178)	ND (0.00174)	ND (0.00178)
Endosulfan sulfate	1000	24	2.4	ND (0.0025)	ND (0.000685)	ND (0.000735)	ND (0.00074)	ND (0.000724)	ND (0.000741)
Endrin	0.06	11	0.014	ND (0.0025)	ND (0.000685)	ND (0.000735)	ND (0.00074)	ND (0.000724)	ND (0.000741)
Endrin aldehyde	NA	NA	NA	ND (0.00751)	ND (0.00206)	ND (0.0022)	ND (0.00222)	ND (0.00217)	ND (0.00222)
Endrin ketone	NA	NA	NA	ND (0.00601)	ND (0.00164)	ND (0.00176)	ND (0.00178)	ND (0.00174)	ND (0.00178)
gamma-BHC (Lindane)	0.1	1.3	0.1	ND (0.0025)	ND (0.000685)	ND (0.000735)	ND (0.00074)	ND (0.000724)	ND (0.000741)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.00751)	ND (0.00206)	ND (0.0022)	ND (0.00222)	ND (0.00217)	0.00283
Heptachlor	0.38	2.1	0.042	ND (0.003)	ND (0.000822)	ND (0.000882)	ND (0.000888)	ND (0.000869)	ND (0.000889)
Heptachlor epoxide	NA	NA	NA	ND (0.0113)	ND (0.00308)	ND (0.00331)	ND (0.00333)	ND (0.00326)	ND (0.00334)
Methoxychlor	NA	NA	NA	ND (0.0113)	ND (0.00308)	ND (0.00331)	ND (0.00333)	ND (0.00326)	ND (0.00334)
Toxaphene	NA	NA	NA	ND (0.113)	ND (0.0308)	ND (0.0331)	ND (0.0333)	ND (0.0326)	ND (0.0334)

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TABLE 2d

REMEDIAL INVESTIGATION - PESTICIDES ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET
BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-17 HA-17 (6-8) 02/08/2023 L2306883-14 6 - 8 (ft)	HA-17 HA-17 (10-12) 02/08/2023 L2306883-15 10 - 12 (ft)	HA-17 HA-17 (14-16) 02/08/2023 L2306883-16 L2310952-37 14 - 16 (ft)	HA-18 HA-18 (2-4) 02/13/2023 L2307677-05 L2310952-05 2 - 4 (ft)	HA-18 HA-18 (6-8) 02/13/2023 L2307677-06 L2310952-06 6 - 8 (ft)	HA-18 HA-18 (10-12) 02/13/2023 L2307677-07 L2310952-07 10 - 12 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
Pesticides (mg/kg)									
4,4'-DDD	14	13	0.0033	ND (0.00191)	ND (0.00195)	ND (0.00193)	0.06	0.148 J+	ND (0.0103)
4,4'-DDE	17	8.9	0.0033	ND (0.00191)	ND (0.00195)	ND (0.00193)	0.0266	0.0906 J+	ND (0.0103)
4,4'-DDT	136	7.9	0.0033	ND (0.00191)	ND (0.00195)	ND (0.00193)	0.0243 J+	0.0294 J+	ND (0.0103)
Aldrin	0.19	0.097	0.005	ND (0.00191)	ND (0.00195)	ND (0.00193)	ND (0.00179)	ND (0.00181)	ND (0.0103)
alpha-BHC	0.02	0.48	0.02	ND (0.000796)	ND (0.000812)	ND (0.000804)	ND (0.000748)	ND (0.000754)	ND (0.0043)
alpha-Chlordane (cis)	2.9	4.2	0.094	ND (0.00239)	ND (0.00244)	ND (0.00241)	0.00401 J	0.00704 J+	ND (0.0129)
beta-BHC	0.09	0.36	0.036	ND (0.00191)	ND (0.00195)	ND (0.00193)	ND (0.00179)	ND (0.00181)	ND (0.0103)
Chlordane	NA	NA	NA	ND (0.0159)	ND (0.0162)	ND (0.0161)	0.0161	0.066 J	ND (0.0859)
delta-BHC	0.25	100	0.04	ND (0.00191)	ND (0.00195)	ND (0.00193)	ND (0.00179)	ND (0.00181)	ND (0.0103)
Dieldrin	0.1	0.2	0.005	ND (0.00119)	ND (0.00122)	ND (0.00121)	0.00456 J+	ND (0.00113)	ND (0.00645)
Endosulfan I	102	24	2.4	ND (0.00191)	ND (0.00195)	ND (0.00193)	ND (0.00179)	ND (0.00181)	ND (0.0103)
Endosulfan II	102	24	2.4	ND (0.00191)	ND (0.00195)	ND (0.00193)	ND (0.00179)	ND (0.00181)	ND (0.0103)
Endosulfan sulfate	1000	24	2.4	ND (0.000796)	ND (0.000812)	ND (0.000804)	ND (0.000748)	ND (0.000754)	ND (0.0043)
Endrin	0.06	11	0.014	ND (0.000796)	ND (0.000812)	ND (0.000804)	ND (0.000748)	ND (0.000754)	ND (0.0043)
Endrin aldehyde	NA	NA	NA	ND (0.00239)	ND (0.00244)	ND (0.00241)	ND (0.00224)	ND (0.00226)	ND (0.0129)
Endrin ketone	NA	NA	NA	ND (0.00191)	ND (0.00195)	ND (0.00193)	ND (0.00179)	ND (0.00181)	ND (0.0103)
gamma-BHC (Lindane)	0.1	1.3	0.1	ND (0.000796)	ND (0.000812)	ND (0.000804)	ND (0.000748)	ND (0.000754)	ND (0.0043)
gamma-Chlordane (trans)	NA	NA	NA	0.000806 J	0.00154 J	0.000818 J	0.00248 J+	0.00857 J+	ND (0.0129)
Heptachlor	0.38	2.1	0.042	ND (0.000955)	ND (0.000974)	ND (0.000965)	ND (0.000897)	ND (0.000904)	ND (0.00516)
Heptachlor epoxide	NA	NA	NA	ND (0.00358)	ND (0.00365)	ND (0.00362)	ND (0.00336)	ND (0.00339)	ND (0.0193)
Methoxychlor	NA	NA	NA	ND (0.00358)	ND (0.00365)	ND (0.00362)	ND (0.00336)	ND (0.00339)	ND (0.0193)
Toxaphene	NA	NA	NA	ND (0.0358)	ND (0.0365)	ND (0.0362)	ND (0.0336)	ND (0.0339)	ND (0.193)

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TABLE 2d

REMEDIAL INVESTIGATION - PESTICIDES ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

PAGE 60 OF 92

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-18	HA-18	HA-19	HA-19	HA-19	HA-19
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	DUP_1_02132023 02/13/2023 L2307677-09 L2310952-09 10 - 12 (ft)	HA-18 (14-16) 02/13/2023 L2307677-08 L2310952-08 14 - 16 (ft)	HA-19 (2-4) 02/08/2023 L2306883-17 L2310952-38 2 - 4 (ft)	HA-19 (6-8) 02/08/2023 L2306883-18 L2310952-39 6 - 8 (ft)	HA-19 (10-12) 02/08/2023 L2306883-19 L2310952-40 10 - 12 (ft)	HA-19 DUP_1_02082023 02/08/2023 L2306883-27 L2310952-46 10 - 12 (ft)
Pesticides (mg/kg)									
4,4'-DDD	14	13	0.0033	ND (0.0335)	ND (0.00955)	0.0462	0.038 J+	ND (0.00955)	ND (0.0018)
4,4'-DDE	17	8.9	0.0033	ND (0.0335)	ND (0.00955)	0.0125 J+	0.00516 J	ND (0.00955)	ND (0.0018)
4,4'-DDT	136	7.9	0.0033	ND (0.0335)	ND (0.00955)	ND (0.00201)	0.00587	ND (0.00955)	ND (0.0018)
Aldrin	0.19	0.097	0.005	ND (0.0335)	ND (0.00955)	ND (0.00201)	ND (0.00184)	ND (0.00955)	ND (0.0018)
alpha-BHC	0.02	0.48	0.02	ND (0.0139)	ND (0.00398)	ND (0.000838)	ND (0.000767)	ND (0.00398)	0.0029 J+
alpha-Chlordane (cis)	2.9	4.2	0.094	ND (0.0418)	ND (0.0119)	0.00638 J	0.00243 J+	ND (0.0119)	ND (0.00225)
beta-BHC	0.09	0.36	0.036	ND (0.0335)	ND (0.00955)	ND (0.00201)	ND (0.00184)	ND (0.00955)	ND (0.0018)
Chlordane	NA	NA	NA	ND (0.279)	ND (0.0796)	0.0365	0.0139 J	ND (0.0796)	ND (0.015)
delta-BHC	0.25	100	0.04	ND (0.0335)	ND (0.00955)	ND (0.00201)	ND (0.00184)	ND (0.00955)	ND (0.0018)
Dieldrin	0.1	0.2	0.005	ND (0.0209)	ND (0.00597)	0.011 J+	0.00283	ND (0.00597)	ND (0.00112)
Endosulfan I	102	24	2.4	ND (0.0335)	ND (0.00955)	ND (0.00201)	ND (0.00184)	ND (0.00955)	ND (0.0018)
Endosulfan II	102	24	2.4	ND (0.0335)	ND (0.00955)	ND (0.00201)	ND (0.00184)	ND (0.00955)	ND (0.0018)
Endosulfan sulfate	1000	24	2.4	ND (0.0139)	ND (0.00398)	ND (0.000838)	ND (0.000767)	ND (0.00398)	ND (0.000749)
Endrin	0.06	11	0.014	ND (0.0139)	ND (0.00398)	ND (0.000838)	ND (0.000767)	ND (0.00398)	ND (0.000749)
Endrin aldehyde	NA	NA	NA	ND (0.0418)	ND (0.0119)	ND (0.00251)	ND (0.0023)	ND (0.0119)	ND (0.00225)
Endrin ketone	NA	NA	NA	ND (0.0335)	ND (0.00955)	ND (0.00201)	ND (0.00184)	ND (0.00955)	ND (0.0018)
gamma-BHC (Lindane)	0.1	1.3	0.1	ND (0.0139)	ND (0.00398)	ND (0.000838)	ND (0.000767)	ND (0.00398)	ND (0.000749)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.0418)	ND (0.0119)	0.00654	0.00205 J	ND (0.0119)	0.00296 J+
Heptachlor	0.38	2.1	0.042	ND (0.0167)	ND (0.00478)	ND (0.001)	ND (0.000921)	ND (0.00477)	ND (0.000898)
Heptachlor epoxide	NA	NA	NA	ND (0.0628)	ND (0.0179)	ND (0.00377)	ND (0.00345) J	ND (0.0179)	ND (0.00337)
Methoxychlor	NA	NA	NA	ND (0.0628)	ND (0.0179)	ND (0.00377)	ND (0.00345)	ND (0.0179)	ND (0.00337)
Toxaphene	NA	NA	NA	ND (0.628)	ND (0.179)	ND (0.0377)	ND (0.0345)	ND (0.179)	ND (0.0337)

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

--: Not Analyzed

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NA: Not Applicable

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- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted Residential Use SCOs, and Protection of Groundwater SCO's.

- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2d

REMEDIAL INVESTIGATION - PESTICIDES ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

PAGE 61 OF 92

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-19	HA-19	HA-20	HA-20	HA-20	HA-20
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-19 (14-16) 02/08/2023 L2306883-20 L2310952-41 14 - 16 (ft)	HA-19 (20-22) 02/08/2023 L2306883-21 20 - 22 (ft)	HA-20 (2-4) 02/10/2023 L2307511-05 L2310952-24 2 - 4 (ft)	HA-20 (6-8) 02/10/2023 L2307511-06 L2310952-25 6 - 8 (ft)	HA-20 (10-12) 02/10/2023 L2307511-07 L2310952-26 10 - 12 (ft)	HA-20 (14-16) 02/10/2023 L2307511-08 14 - 16 (ft)
Pesticides (mg/kg)									
4,4'-DDD	14	13	0.0033	ND (0.0094)	ND (0.0018)	0.0425	ND (0.00213)	ND (0.00213)	ND (0.00268)
4,4'-DDE	17	8.9	0.0033	ND (0.0094)	ND (0.0018)	0.0277	ND (0.00213)	ND (0.00213)	ND (0.00268)
4,4'-DDT	136	7.9	0.0033	ND (0.0094)	ND (0.0018)	0.0134	ND (0.00213)	ND (0.00213)	ND (0.00268)
Aldrin	0.19	0.097	0.005	ND (0.0094)	ND (0.0018)	ND (0.00198)	ND (0.00213)	ND (0.00213)	ND (0.00268)
alpha-BHC	0.02	0.48	0.02	ND (0.00392)	ND (0.000752)	ND (0.000827)	ND (0.000887)	ND (0.000886)	ND (0.00112)
alpha-Chlordane (cis)	2.9	4.2	0.094	ND (0.0118)	ND (0.00226)	0.00201 J	ND (0.00266)	ND (0.00266)	ND (0.00334)
beta-BHC	0.09	0.36	0.036	ND (0.0094)	ND (0.0018)	ND (0.00198)	ND (0.00213)	ND (0.00213)	ND (0.00268)
Chlordane	NA	NA	NA	ND (0.0783)	ND (0.015)	0.0125 J	ND (0.0177)	ND (0.0177)	ND (0.0223)
delta-BHC	0.25	100	0.04	ND (0.0094)	ND (0.0018)	ND (0.00198)	ND (0.00213)	ND (0.00213)	ND (0.00268)
Dieldrin	0.1	0.2	0.005	ND (0.00588)	ND (0.00113)	0.00497	ND (0.00133)	ND (0.00133)	ND (0.00167)
Endosulfan I	102	24	2.4	ND (0.0094)	ND (0.0018)	ND (0.00198)	ND (0.00213)	ND (0.00213)	ND (0.00268)
Endosulfan II	102	24	2.4	ND (0.0094)	ND (0.0018)	ND (0.00198)	ND (0.00213)	ND (0.00213)	ND (0.00268)
Endosulfan sulfate	1000	24	2.4	ND (0.00392)	ND (0.000752)	ND (0.000827)	ND (0.000887)	ND (0.000886)	ND (0.00112)
Endrin	0.06	11	0.014	ND (0.00392)	ND (0.000752)	ND (0.000827)	ND (0.000887)	ND (0.000886)	ND (0.00112)
Endrin aldehyde	NA	NA	NA	ND (0.0118)	ND (0.00226)	ND (0.00248)	ND (0.00266)	ND (0.00266)	ND (0.00334)
Endrin ketone	NA	NA	NA	ND (0.0094)	ND (0.0018)	ND (0.00198)	ND (0.00213)	ND (0.00213)	ND (0.00268)
gamma-BHC (Lindane)	0.1	1.3	0.1	ND (0.00392)	ND (0.000752)	ND (0.000827)	ND (0.000887)	ND (0.000886)	ND (0.00112)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.0118)	ND (0.00226)	0.00273	ND (0.00266)	ND (0.00266)	ND (0.00334)
Heptachlor	0.38	2.1	0.042	ND (0.0047)	ND (0.000903)	ND (0.000992)	ND (0.00106)	ND (0.00106)	ND (0.00134)
Heptachlor epoxide	NA	NA	NA	ND (0.0176)	ND (0.00338)	ND (0.00372)	ND (0.00399)	ND (0.00399)	ND (0.00502)
Methoxychlor	NA	NA	NA	ND (0.0176)	ND (0.00338)	ND (0.00372)	ND (0.00399)	ND (0.00399)	ND (0.00502)
Toxaphene	NA	NA	NA	ND (0.176)	ND (0.0338)	ND (0.0372)	ND (0.0399)	ND (0.0399)	ND (0.0502)

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- **Bold italic** values indicate an exceedance of the Protection of Groundwater Criteria.

- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

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TABLE 2d

REMEDIAL INVESTIGATION - PESTICIDES ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

PAGE 62 OF 92

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-21 HA-21 (2-4) 02/08/2023 L2306883-22 L2310952-47 2 - 4 (ft)	HA-21 HA-21 (6-8) 02/08/2023 L2306883-23 L2310952-42 6 - 8 (ft)	HA-21 HA-21 (10-12) 02/08/2023 L2306883-24 L2310952-43 10 - 12 (ft)	HA-21 HA-21 (14-16) 02/08/2023 L2306883-25 L2310952-44 14 - 16 (ft)	HA-21 HA-21 (20-22) 02/08/2023 L2306883-26 L2310952-45 20 - 22 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives					
Pesticides (mg/kg)								
4,4'-DDD	14	13	0.0033	0.0155	0.0444	ND (0.0089)	ND (0.00952)	ND (0.00212)
4,4'-DDE	17	8.9	0.0033	0.00672 J+	0.0128	ND (0.0089)	ND (0.00952)	ND (0.00212)
4,4'-DDT	136	7.9	0.0033	0.00474 J+	0.00901	ND (0.0089)	ND (0.00952)	ND (0.00212)
Aldrin	0.19	0.097	0.005	ND (0.00184)	ND (0.00178)	ND (0.0089)	ND (0.00952)	ND (0.00212)
alpha-BHC	0.02	0.48	0.02	ND (0.000766)	ND (0.00074)	ND (0.00371)	ND (0.00396)	0.00209 J
alpha-Chlordane (cis)	2.9	4.2	0.094	0.000682	0.00139 J	ND (0.0111)	ND (0.0119)	ND (0.00265)
beta-BHC	0.09	0.36	0.036	ND (0.00184)	ND (0.00178)	ND (0.0089)	ND (0.00952)	ND (0.00212)
Chlordane	NA	NA	NA	0.00744 J+	0.0125 J	ND (0.0742)	ND (0.0793)	ND (0.0176)
delta-BHC	0.25	100	0.04	ND (0.00184)	ND (0.00178)	ND (0.0089)	ND (0.00952)	ND (0.00212)
Dieldrin	0.1	0.2	0.005	ND (0.00115)	0.00456	ND (0.00556)	ND (0.00595)	ND (0.00132)
Endosulfan I	102	24	2.4	ND (0.00184)	ND (0.00178)	ND (0.0089)	ND (0.00952)	ND (0.00212)
Endosulfan II	102	24	2.4	ND (0.00184)	ND (0.00178)	ND (0.0089)	ND (0.00952)	ND (0.00212)
Endosulfan sulfate	1000	24	2.4	ND (0.000766)	ND (0.00074)	ND (0.00371)	ND (0.00396)	ND (0.000883)
Endrin	0.06	11	0.014	ND (0.000766)	ND (0.00074)	ND (0.00371)	ND (0.00396)	ND (0.000883)
Endrin aldehyde	NA	NA	NA	ND (0.0023)	ND (0.00222)	ND (0.0111)	ND (0.0119)	ND (0.00265)
Endrin ketone	NA	NA	NA	ND (0.00184)	ND (0.00178)	ND (0.0089)	ND (0.00952)	ND (0.00212)
gamma-BHC (Lindane)	0.1	1.3	0.1	ND (0.000766)	ND (0.00074)	ND (0.00371)	ND (0.00396)	ND (0.000883)
gamma-Chlordane (trans)	NA	NA	NA	0.00138	0.00225	ND (0.0111)	ND (0.0119)	0.000753 J
Heptachlor	0.38	2.1	0.042	ND (0.000919)	ND (0.000888)	ND (0.00445)	ND (0.00476)	ND (0.00106)
Heptachlor epoxide	NA	NA	NA	ND (0.00345)	0.00109 J	ND (0.0167)	ND (0.0178)	ND (0.00397)
Methoxychlor	NA	NA	NA	ND (0.00345)	ND (0.00333)	ND (0.0167)	ND (0.0178)	ND (0.00397)
Toxaphene	NA	NA	NA	ND (0.0345)	ND (0.0333)	ND (0.167)	ND (0.178)	ND (0.0397)

ABBREVIATIONS AND NOTES:

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TABLE 2e

REMEDIAL INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-01	HA-01	HA-01	HA-01	HA-02	HA-02
	Restricted Use	Restricted	Unrestricted Use	HA-01 (2-4	HA-01 (6-8	HA-01 (10-12	HA-01 (14-16	HA-02 (2-4	HA-02 (6-8
	NYSDEC Guidance	Residential Use	NYSDEC	02/08/2023	02/08/2023	02/08/2023	02/08/2023	02/08/2023	02/08/2023
	Values -	NYSDEC	NYSDEC	L2306883-01	L2306883-02	L2306883-03	L2306883-04	L2306883-05	L2306883-06
	Protection of	Guidance Values	Guidance Values	L2310952-27	L2310952-28	L2310952-29	L2306883-04	L2310952-30	L2310952-31
	Groundwater -	- PFAS/PFOA	- PFAS/PFOA	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)
	PFAS/PFOA								
Semi-Volatile Organic Compounds (mg/kg)									
1,4-Dioxane	NA	NA	NA	ND (0.031)	ND (0.029)	ND (0.032)	ND (0.086)	ND (0.03)	ND (0.029)
PFAS (ng/g)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.753)	ND (0.786)	ND (0.794)	ND (0.755)	ND (0.786)	ND (0.782)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.753)	ND (0.786)	ND (0.794)	ND (0.755)	ND (0.786)	ND (0.782)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.188)	ND (0.197)	ND (0.198)	ND (0.189)	ND (0.196)	ND (0.195)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	NA	ND (0.188)	ND (0.197)	ND (0.198)	ND (0.189)	ND (0.196)	ND (0.195)
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.188)	ND (0.197)	ND (0.198)	ND (0.189)	ND (0.196)	ND (0.195)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.753)	ND (0.786)	ND (0.794)	ND (0.755)	ND (0.786)	ND (0.782)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.188)	ND (0.197)	ND (0.198)	ND (0.189)	ND (0.196)	ND (0.195)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.188)	ND (0.197)	ND (0.198)	ND (0.189)	ND (0.196)	ND (0.195)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.188) J	ND (0.197)	ND (0.198)	ND (0.189)	ND (0.196) J	ND (0.195) J
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.188)	ND (0.197)	ND (0.198)	ND (0.189)	ND (0.196)	ND (0.195)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.188)	ND (0.197)	ND (0.198)	ND (0.189)	ND (0.196)	ND (0.195)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.188)	ND (0.197)	ND (0.198)	ND (0.189)	ND (0.196)	ND (0.195)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.188)	ND (0.197)	ND (0.198)	ND (0.189)	ND (0.196)	ND (0.195)
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.188)	ND (0.197)	ND (0.198)	ND (0.189)	ND (0.196)	ND (0.195)
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.188)	ND (0.197)	ND (0.198)	ND (0.189)	ND (0.196)	ND (0.195)
Perfluorooctanesulfonic acid (PFOS)	3.7	44	0.88	0.136 J	ND (0.197)	ND (0.198)	0.091 J	0.134 J	0.266
Perfluorooctanoic acid (PFOA)	1.1	33	0.66	ND (0.188)	ND (0.197)	ND (0.198)	ND (0.189)	ND (0.196)	0.078 J
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.377)	ND (0.393)	ND (0.397)	ND (0.378)	ND (0.393)	ND (0.391)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.188) J	ND (0.197) J	ND (0.198) J	ND (0.189) J	ND (0.196) J	ND (0.195) J
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.188) J	ND (0.197) J	ND (0.198) J	ND (0.189) J	ND (0.196) J	ND (0.195) J
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.188)	ND (0.197)	ND (0.198)	ND (0.189)	ND (0.196)	ND (0.195)
US EPA PFAS (PFOS + PFOA)	NA	NA	NA	0.136 J	ND (0.197)	ND (0.198)	0.091 J	0.134 J	0.344 J

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- Grey shading indicates an exceedance of the Unrestricted Use Guidance Values.

- Yellow shading indicates an exceedance of the Restricted Residential Use Guidance Values.

TABLE 2e
REMEDIAL INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-02	HA-02	HA-03	HA-03	HA-03	HA-03
	Restricted Use NYSDEC Guidance Values - Protection of Groundwater - PFAS/PFOA	Restricted Residential Use NYSDEC Guidance Values - PFAS/PFOA	Unrestricted Use NYSDEC Guidance Values - PFAS/PFOA	HA-02 (10-12) 02/08/2023 L2306883-07 10 - 12 (ft)	HA-02 (14-16) 02/08/2023 L2306883-08 L2310952-32 14 - 16 (ft)	HA-03 (2-4) 02/10/2023 L2307511-01 2 - 4 (ft)	HA-03 (6-8) 02/10/2023 L2307511-02 L2310952-22 6 - 8 (ft)	HA-03 (10-12) 02/10/2023 L2307511-03 L2310952-23 10 - 12 (ft)	HA-03 (14-16) 02/10/2023 L2307511-04 14 - 16 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,4-Dioxane	NA	NA	NA	ND (0.03)	ND (0.029)	ND (0.026)	ND (0.033)	ND (0.028)	ND (0.028)
PFAS (ng/g)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.72)	ND (0.74)	ND (0.795) J	ND (0.793) J	ND (0.797) J	ND (0.789) J
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.72)	ND (0.74)	ND (0.795) J	ND (0.793) J	ND (0.797) J	ND (0.789) J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.18)	ND (0.185)	ND (0.199)	ND (0.198)	ND (0.199)	ND (0.197)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	NA	ND (0.18)	ND (0.185)	ND (0.199) J	ND (0.198) J	ND (0.199) J	ND (0.197) J
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.18)	ND (0.185)	ND (0.199)	ND (0.198)	ND (0.199)	ND (0.197)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.72)	ND (0.74)	ND (0.795)	ND (0.793)	ND (0.797)	ND (0.789)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.18)	ND (0.185)	ND (0.199)	ND (0.198)	ND (0.199)	ND (0.197)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.18)	ND (0.185)	ND (0.199)	0.079 J	ND (0.199)	ND (0.197)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.18) J	ND (0.185) J	ND (0.199) J	ND (0.198) J	ND (0.199) J	ND (0.197) J
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.18)	ND (0.185)	ND (0.199)	ND (0.198)	ND (0.199)	ND (0.197)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.18)	ND (0.185)	0.072 J	0.079 J	ND (0.199)	ND (0.197)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.18)	ND (0.185)	0.199	0.143 J	ND (0.199)	ND (0.197)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.18)	ND (0.185)	0.095 J	0.127 J	ND (0.199)	ND (0.197)
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.18)	ND (0.185)	ND (0.199) J	ND (0.198) J	ND (0.199) J	ND (0.197) J
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.18)	ND (0.185)	ND (0.199)	ND (0.198)	ND (0.199)	ND (0.197)
Perfluorooctanesulfonic acid (PFOS)	3.7	44	0.88	0.094 J	0.133 J	0.851 J	0.96 J	0.096 J	0.205 J
Perfluorooctanoic acid (PFOA)	1.1	33	0.66	ND (0.18)	ND (0.185)	0.239 J	0.341 J	ND (0.199) J	ND (0.197) J
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.36)	ND (0.37)	0.095 J	0.111 J	ND (0.398)	ND (0.394)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.18) J	ND (0.185) J	ND (0.199)	ND (0.198)	ND (0.199)	ND (0.197) J
Perfluorotridecanoic acid (PFTTrDA)	NA	NA	NA	ND (0.18) J	ND (0.185) J	ND (0.199)	ND (0.198)	ND (0.199)	ND (0.197) J
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.18)	ND (0.185)	ND (0.199)	ND (0.198)	ND (0.199)	ND (0.197)
US EPA PFAS (PFOS + PFOA)	NA	NA	NA	0.094 J	0.133 J	1.09 J	1.3 J	0.096 J	0.205 J

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ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

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TABLE 2e
REMEDIAL INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-04	HA-04	HA-04	HA-04	HA-04	HA-05
	Restricted Use	Restricted	Unrestricted Use	HA-04 (2-4)	HA-04 (6-8)	DUP_1_02022023	HA-04 (10-12)	HA-04 (14-16)	HA-05 (2-4)
	NYSDEC Guidance	Residential Use	NYSDEC	02/02/2023	02/02/2023	02/02/2023	02/02/2023	02/02/2023	02/02/2023
	Values -	NYSDEC	NYSDEC						
	Protection of	Guidance Values	Guidance Values						
	Groundwater -	- PFAS/PFOA	- PFAS/PFOA	L2305934-01	L2305934-02	L2305934-09	L2305934-03	L2305934-04	L2305934-05
	PFAS/PFOA			2 - 2 (ft)	6 - 8 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,4-Dioxane	NA	NA	NA	ND (0.026)	ND (0.03)	ND (0.031)	ND (0.033)	ND (0.15)	ND (0.027)
PFAS (ng/g)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.782)	ND (0.729)	ND (0.773)	ND (0.786)	ND (0.767)	ND (0.763)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.782)	ND (0.729)	ND (0.773)	ND (0.786)	ND (0.767)	ND (0.763)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.196)	ND (0.182)	ND (0.193)	ND (0.196)	ND (0.192)	ND (0.191)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	NA	ND (0.196)	ND (0.182)	ND (0.193)	ND (0.196)	ND (0.192)	ND (0.191)
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.196)	ND (0.182)	ND (0.193)	ND (0.196)	ND (0.192)	ND (0.191)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.782)	ND (0.729)	ND (0.773)	ND (0.786)	ND (0.767)	ND (0.763)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.196)	ND (0.182)	ND (0.193)	ND (0.196)	ND (0.192)	ND (0.191)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.196)	ND (0.182)	ND (0.193)	ND (0.196)	ND (0.192)	ND (0.191)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.196)	ND (0.182)	ND (0.193)	ND (0.196)	ND (0.192)	0.084 J
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.196)	ND (0.182)	ND (0.193)	ND (0.196)	ND (0.192)	ND (0.191)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.196)	ND (0.182)	ND (0.193)	ND (0.196)	ND (0.192)	ND (0.191)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.196)	ND (0.182)	ND (0.193)	ND (0.196)	ND (0.192)	0.061 J
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.196)	ND (0.182)	ND (0.193)	ND (0.196)	ND (0.192)	ND (0.191)
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.196) J	ND (0.182) J	ND (0.193) J	ND (0.196) J	ND (0.192) J	ND (0.191) J
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.196)	ND (0.182)	ND (0.193)	ND (0.196)	ND (0.192)	ND (0.191)
Perfluorooctanesulfonic acid (PFOS)	3.7	44	0.88	0.352	0.569 J	0.866 J	0.173 J	0.207	1.29
Perfluorooctanoic acid (PFOA)	1.1	33	0.66	0.102 J	ND (0.182)	0.162 J	ND (0.196)	ND (0.192)	0.221
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.391)	ND (0.365)	ND (0.386)	ND (0.393)	ND (0.384)	ND (0.382)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.196)	ND (0.182)	ND (0.193)	ND (0.196)	ND (0.192)	ND (0.191)
Perfluorotridecanoic acid (PFTTrDA)	NA	NA	NA	ND (0.196)	ND (0.182)	ND (0.193)	ND (0.196)	ND (0.192)	ND (0.191)
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.196)	ND (0.182)	ND (0.193)	ND (0.196)	ND (0.192)	ND (0.191)
US EPA PFAS (PFOS + PFOA)	NA	NA	NA	0.454 J	0.569 J	1.03 J	0.173 J	0.207	1.51

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

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bgs: below ground surface

ft: feet

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TABLE 2e
REMEDIAL INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-05	HA-05	HA-05	HA-06	HA-06	HA-06
	Restricted Use	Restricted	Unrestricted Use	HA-05 (6-8	HA-05 (10-12)	HA-05 (14-16)	HA-06 (2-4)	HA-06 (6-8)	HA-06 (10-12)
	NYSDEC Guidance	Residential Use	NYSDEC	02/02/2023	02/02/2023	02/02/2023	02/01/2023	02/01/2023	02/01/2023
	Values -	NYSDEC	NYSDEC						
	Protection of	Guidance Values	Guidance Values						
	Groundwater -	- PFAS/PFOA	- PFAS/PFOA	L2305934-06	L2305934-07	L2305934-08	L2305570-01	L2305570-02	L2305570-03
	PFAS/PFOA			6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,4-Dioxane	NA	NA	NA	ND (0.029)	ND (0.029)	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.029)
PFAS (ng/g)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.75)	0.448 J	ND (0.733)	ND (0.797)	ND (0.779)	ND (0.773)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.75)	ND (0.786)	ND (0.733)	ND (0.797)	ND (0.779)	ND (0.773)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.187)	ND (0.196)	ND (0.183)	ND (0.199)	ND (0.195)	ND (0.193)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	NA	ND (0.187)	ND (0.196)	ND (0.183)	ND (0.199)	ND (0.195)	ND (0.193)
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.187)	ND (0.196)	ND (0.183)	ND (0.199)	ND (0.195)	ND (0.193)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.75)	ND (0.786)	ND (0.733)	ND (0.797)	ND (0.779)	ND (0.773)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.187)	ND (0.196)	ND (0.183)	ND (0.199)	ND (0.195)	ND (0.193)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.187)	ND (0.196)	ND (0.183)	ND (0.199)	ND (0.195)	ND (0.193)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.187)	ND (0.196)	ND (0.183)	ND (0.199)	ND (0.195)	ND (0.193)
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.187)	ND (0.196)	ND (0.183)	0.064 J	ND (0.195)	ND (0.193)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.187)	ND (0.196)	ND (0.183)	0.072 J	ND (0.195)	ND (0.193)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.187)	ND (0.196)	ND (0.183)	0.327	ND (0.195)	ND (0.193)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.187)	ND (0.196)	ND (0.183)	0.072 J	ND (0.195)	ND (0.193)
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.187) J	ND (0.196) J	ND (0.183) J	0.263 J	ND (0.195) J	ND (0.193) J
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.187)	ND (0.196)	ND (0.183)	ND (0.199)	ND (0.195)	ND (0.193)
Perfluorooctanesulfonic acid (PFOS)	3.7	44	0.88	0.277	0.464	0.191	1.82 J	0.226 J	0.255 J
Perfluorooctanoic acid (PFOA)	1.1	33	0.66	ND (0.187)	ND (0.196)	ND (0.183)	1.07	ND (0.195)	ND (0.193)
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.375)	ND (0.393)	ND (0.367)	ND (0.398)	ND (0.39)	ND (0.387)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.187)	ND (0.196)	ND (0.183)	ND (0.199)	ND (0.195) J	ND (0.193)
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.187)	ND (0.196)	ND (0.183)	ND (0.199)	ND (0.195) J	ND (0.193)
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.187)	ND (0.196)	ND (0.183)	ND (0.199)	ND (0.195)	ND (0.193)
US EPA PFAS (PFOS + PFOA)	NA	NA	NA	0.277	0.464	0.191	2.89 J	0.226 J	0.255 J

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TABLE 2e

REMEDIAL INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-06	HA-07	HA-07	HA-07	HA-07	HA-08
	Restricted Use NYSDEC Guidance Values - Protection of Groundwater - PFAS/PFOA	Restricted Residential Use NYSDEC Guidance Values - PFAS/PFOA	Unrestricted Use NYSDEC Guidance Values - PFAS/PFOA	HA-06 (14-16) 02/01/2023 L2305570-04 14 - 16 (ft)	HA-07 (2-4) 02/09/2023 L2307196-01 L2310952-10 2 - 4 (ft)	HA-07 (6-8) 02/09/2023 L2307196-02 L2310952-11 6 - 8 (ft)	HA-07 (10-12) 02/09/2023 L2307196-03 L2310952-12 10 - 12 (ft)	HA-07 (14-16) 02/09/2023 L2307196-04 L2310952-13 14 - 16 (ft)	HA-08 (2-4) 02/01/2023 L2305570-05 2 - 4 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,4-Dioxane	NA	NA	NA	ND (0.029)	ND (0.029)	ND (0.032)	ND (0.035)	ND (0.028)	ND (0.027)
PFAS (ng/g)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.781)	ND (0.763)	ND (0.719)	ND (0.76)	ND (0.71)	ND (0.772)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.781)	ND (0.763)	ND (0.719)	ND (0.76)	ND (0.71)	ND (0.772)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.195)	ND (0.191)	ND (0.18)	ND (0.19)	ND (0.177)	ND (0.193)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	NA	ND (0.195)	ND (0.191) J	ND (0.18) J	ND (0.19) J	ND (0.177) J	ND (0.193)
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.195)	ND (0.191)	ND (0.18)	ND (0.19)	ND (0.177)	ND (0.193)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.781)	ND (0.763)	ND (0.719)	ND (0.76)	ND (0.71)	ND (0.772)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.195)	ND (0.191)	ND (0.18)	ND (0.19)	ND (0.177)	ND (0.193)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.195)	ND (0.191)	ND (0.18)	ND (0.19)	ND (0.177)	ND (0.193)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.195)	ND (0.191)	ND (0.18)	ND (0.19)	ND (0.177) J	ND (0.193)
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.195)	ND (0.191)	ND (0.18)	ND (0.19)	ND (0.177)	ND (0.193)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.195)	ND (0.191)	ND (0.18)	ND (0.19)	ND (0.177)	ND (0.193)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.195)	ND (0.191)	ND (0.18)	ND (0.19)	ND (0.177)	ND (0.193)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.195)	ND (0.191) J	ND (0.18) J	ND (0.19) J	ND (0.177) J	ND (0.193)
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.195) J	ND (0.191)	ND (0.18)	ND (0.19)	ND (0.177)	ND (0.193) J
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.195)	ND (0.191)	ND (0.18)	ND (0.19)	ND (0.177)	ND (0.193)
Perfluorooctanesulfonic acid (PFOS)	3.7	44	0.88	0.336 J	0.313	0.525	0.471	ND (0.177)	0.417 J
Perfluorooctanoic acid (PFOA)	1.1	33	0.66	ND (0.195)	0.114 J	ND (0.18)	ND (0.19)	ND (0.177)	ND (0.193)
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.391)	ND (0.382)	ND (0.36)	ND (0.38)	ND (0.355)	ND (0.386)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.195)	ND (0.191)	ND (0.18) J	ND (0.19) J	ND (0.177) J	ND (0.193)
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.195)	ND (0.191) J	ND (0.18) J	ND (0.19) J	ND (0.177) J	ND (0.193)
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.195)	ND (0.191)	ND (0.18)	ND (0.19)	ND (0.177)	ND (0.193)
US EPA PFAS (PFOS + PFOA)	NA	NA	NA	0.336 J	0.427 J	0.525	0.471	ND (0.177)	0.417 J

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TABLE 2e
REMEDIAL INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-08	HA-08	HA-08	HA-09	HA-09	HA-09
	Restricted Use	Restricted	Unrestricted Use	HA-08 (6-8	HA-08 (10-12	HA-08 (14-16	HA-09 (2-4	HA-09 (6-8	HA-09 (10-12
	NYSDEC Guidance	Residential Use	NYSDEC	02/01/2023	02/01/2023	02/01/2023	02/09/2023	02/09/2023	02/09/2023
	Values -	NYSDEC	NYSDEC						
	Protection of	Guidance Values	Guidance Values					L2307196-06	L2307196-07
	Groundwater -	- PFAS/PFOA	- PFAS/PFOA	L2305570-06	L2305570-07	L2305570-08	L2307196-05	L2310952-14	
	PFAS/PFOA			6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,4-Dioxane	NA	NA	NA	ND (0.027)	ND (0.033)	ND (0.11)	ND (0.028)	ND (0.031)	ND (0.03)
PFAS (ng/g)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.742)	ND (0.78)	ND (0.794)	0.532 J	ND (0.751)	ND (0.728)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.742)	ND (0.78)	ND (0.794)	ND (0.75)	ND (0.751)	ND (0.728)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.185)	ND (0.195)	ND (0.198)	ND (0.187)	ND (0.188)	ND (0.182)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	NA	ND (0.185)	ND (0.195)	ND (0.198)	ND (0.187) J	ND (0.188) J	ND (0.182) J
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.185)	ND (0.195)	ND (0.198)	0.105 J	ND (0.188)	ND (0.182)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.742)	ND (0.78)	ND (0.794)	ND (0.75)	ND (0.751)	ND (0.728)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.185)	ND (0.195)	ND (0.198)	ND (0.187)	ND (0.188)	ND (0.182)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.185)	ND (0.195)	ND (0.198)	ND (0.187)	ND (0.188)	ND (0.182)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.185)	ND (0.195)	ND (0.198)	ND (0.187)	ND (0.188)	ND (0.182)
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.185)	ND (0.195)	ND (0.198)	0.15 J	ND (0.188)	ND (0.182)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.185)	ND (0.195)	ND (0.198)	ND (0.187)	0.03 J	ND (0.182)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.185)	ND (0.195)	ND (0.198)	0.202	0.06 J	ND (0.182)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.185)	ND (0.195)	ND (0.198)	0.06 J	0.053 J	ND (0.182) J
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.185) J	ND (0.195) J	ND (0.198) J	ND (0.187)	ND (0.188)	ND (0.182)
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.185)	ND (0.195)	ND (0.198)	ND (0.187)	ND (0.188)	ND (0.182)
Perfluorooctanesulfonic acid (PFOS)	3.7	44	0.88	0.156 J	0.25 J	0.095 J	0.18 J	0.323	ND (0.182)
Perfluorooctanoic acid (PFOA)	1.1	33	0.66	0.334	ND (0.195)	ND (0.198)	0.742 J	0.511	0.138 J
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.371)	ND (0.39)	ND (0.397)	0.075 J	0.098 J	ND (0.364)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.185)	ND (0.195)	ND (0.198)	ND (0.187) J	ND (0.188) J	ND (0.182) J
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.185)	ND (0.195)	ND (0.198)	ND (0.187) J	ND (0.188) J	ND (0.182) J
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.185)	ND (0.195)	ND (0.198)	ND (0.187)	ND (0.188)	ND (0.182)
US EPA PFAS (PFOS + PFOA)	NA	NA	NA	0.49 J	0.25 J	0.095 J	0.922 J	0.834	0.138 J

ABBREVIATIONS AND NOTES:

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--: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

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TABLE 2e
REMEDIAL INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-09	HA-10	HA-10	HA-10	HA-10	HA-11
	Restricted Use NYSDEC Guidance Values - Protection of Groundwater - PFAS/PFOA	Restricted Residential Use NYSDEC Guidance Values - PFAS/PFOA	Unrestricted Use NYSDEC Guidance Values - PFAS/PFOA	HA-09 (14-16) 02/09/2023 L2307196-08 L2310952-15 14 - 16 (ft)	HA-10 (2-4) 02/08/2023 L2306883-09 L2310952-33 2 - 4 (ft)	HA-10 (6-8) 02/08/2023 L2306883-10 6 - 8 (ft)	HA-10 (10-12) 02/08/2023 L2306883-11 L2310952-34 10 - 12 (ft)	HA-10 (14-16) 02/08/2023 L2306883-12 L2310952-35 14 - 16 (ft)	HA-11 (2-4) 02/09/2023 L2307196-09 L2310952-16 2 - 4 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,4-Dioxane	NA	NA	NA	ND (0.029)	ND (0.028)	ND (0.16)	ND (0.03)	ND (0.03)	ND (0.028)
PFAS (ng/g)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.777)	ND (0.72)	ND (0.787)	ND (0.794)	ND (0.79)	ND (0.771)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.777)	ND (0.72)	ND (0.787) J	ND (0.794) J	ND (0.79) J	ND (0.771)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.194)	ND (0.18)	ND (0.197)	ND (0.199)	ND (0.198)	ND (0.193)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	NA	ND (0.194) J	ND (0.18)	ND (0.197) J	ND (0.199) J	ND (0.198) J	ND (0.193) J
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.194)	ND (0.18)	ND (0.197)	ND (0.199)	ND (0.198)	ND (0.193)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.777)	ND (0.72)	ND (0.787) J	ND (0.794) J	ND (0.79) J	ND (0.771)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.194)	ND (0.18)	ND (0.197)	ND (0.199)	ND (0.198)	ND (0.193)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.194)	ND (0.18)	ND (0.197)	ND (0.199)	ND (0.198)	ND (0.193)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.194)	ND (0.18) J	ND (0.197) J	ND (0.199) J	ND (0.198) J	ND (0.193)
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.194)	ND (0.18)	ND (0.197) J	ND (0.199) J	ND (0.198) J	ND (0.193)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.194)	ND (0.18)	ND (0.197)	ND (0.199)	ND (0.198)	ND (0.193)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.194)	ND (0.18)	ND (0.197)	ND (0.199)	ND (0.198)	0.139 J
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.194) J	ND (0.18)	ND (0.197)	ND (0.199)	ND (0.198)	0.054 J
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.194)	ND (0.18)	ND (0.197) J	ND (0.199) J	ND (0.198) J	ND (0.193)
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.194)	ND (0.18)	ND (0.197)	ND (0.199)	ND (0.198)	ND (0.193)
Perfluorooctanesulfonic acid (PFOS)	3.7	44	0.88	ND (0.194)	0.547	0.338	ND (0.199)	0.15 J	0.532
Perfluorooctanoic acid (PFOA)	1.1	33	0.66	0.241	0.079 J	0.165 J	ND (0.199)	ND (0.198)	ND (0.193)
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.388)	ND (0.36)	ND (0.394)	ND (0.397)	ND (0.395)	0.069 J
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.194) J	ND (0.18) J	ND (0.197) J	ND (0.199) J	ND (0.198) J	ND (0.193) J
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.194) J	ND (0.18) J	ND (0.197)	ND (0.199)	ND (0.198)	ND (0.193) J
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.194)	ND (0.18)	ND (0.197)	ND (0.199)	ND (0.198)	ND (0.193)
US EPA PFAS (PFOS + PFOA)	NA	NA	NA	0.241	0.626 J	0.503 J	ND (0.199)	0.15 J	0.532

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TABLE 2e

REMEDIAL INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-11	HA-11	HA-11	HA-12	HA-12	HA-12
	Restricted Use	Restricted	Unrestricted Use	HA-11 (6-8)	HA-11 (10-12)	HA-11 (14-16)	HA-12 (2-4)	HA-12 (6-8)	HA-12 (10-12)
	NYSDEC Guidance	Residential Use	NYSDEC	02/09/2023	02/09/2023	02/09/2023	02/09/2023	02/09/2023	02/09/2023
	Values -	NYSDEC	NYSDEC						
	Protection of	Guidance Values	Guidance Values						
	Groundwater -	- PFAS/PFOA	- PFAS/PFOA	L2307196-10	L2307196-11	L2307196-12	L2307196-13	L2307196-14	L2307196-15
	PFAS/PFOA				L2310952-17	L2310952-18	L2310952-19	L2310952-20	L2310952-21
				6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,4-Dioxane	NA	NA	NA	ND (0.03)	ND (0.027)	ND (0.029)	ND (0.03)	ND (0.029)	ND (0.029)
PFAS (ng/g)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.746)	ND (0.768)	ND (0.772)	ND (0.777)	ND (0.761)	ND (0.72)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.746)	ND (0.768)	ND (0.772)	ND (0.777)	ND (0.761)	ND (0.72)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.186)	ND (0.192)	ND (0.193)	ND (0.194)	ND (0.19)	ND (0.18)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	NA	ND (0.186) J	ND (0.192) J	ND (0.193) J	ND (0.194) J	ND (0.19) J	ND (0.18) J
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.186)	ND (0.192)	ND (0.193)	ND (0.194)	ND (0.19)	ND (0.18)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.746)	ND (0.768)	ND (0.772)	ND (0.777)	ND (0.761)	ND (0.72)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.186)	ND (0.192)	ND (0.193)	ND (0.194)	ND (0.19)	ND (0.18)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.186)	ND (0.192)	ND (0.193)	ND (0.194)	ND (0.19)	ND (0.18)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.186)	ND (0.192)	ND (0.193)	ND (0.194)	ND (0.19)	ND (0.18) J
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.186)	ND (0.192)	ND (0.193)	ND (0.194)	ND (0.19)	ND (0.18)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.186)	ND (0.192)	ND (0.193)	0.047 J	ND (0.19)	ND (0.18)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.186)	ND (0.192)	ND (0.193)	ND (0.194)	ND (0.19)	ND (0.18)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.186) J	ND (0.192) J	ND (0.193) J	0.085 J	ND (0.19) J	ND (0.18) J
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.186)	ND (0.192)	ND (0.193)	ND (0.194)	ND (0.19)	ND (0.18)
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.186)	ND (0.192)	ND (0.193)	ND (0.194)	ND (0.19)	ND (0.18)
Perfluorooctanesulfonic acid (PFOS)	3.7	44	0.88	0.38	0.684	0.232	0.287 J	ND (0.19)	ND (0.18)
Perfluorooctanoic acid (PFOA)	1.1	33	0.66	ND (0.186)	ND (0.192)	ND (0.193)	0.412	0.145 J	0.252
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.373)	ND (0.384)	ND (0.386)	0.202 J	ND (0.381)	ND (0.36)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.186) J	ND (0.192) J	ND (0.193)	ND (0.194)	ND (0.19)	ND (0.18) J
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.186) J	ND (0.192) J	ND (0.193)	ND (0.194)	ND (0.19)	ND (0.18) J
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.186)	ND (0.192)	ND (0.193)	ND (0.194)	ND (0.19)	ND (0.18)
US EPA PFAS (PFOS + PFOA)	NA	NA	NA	0.38	0.684	0.232	0.699 J	0.145 J	0.252

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TABLE 2e

REMEDIAL INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-12	HA-13	HA-13	HA-13	HA-13	HA-14
	Restricted Use NYSDEC Guidance Values - Protection of Groundwater - PFAS/PFOA	Restricted Residential Use NYSDEC Guidance Values - PFAS/PFOA	Unrestricted Use NYSDEC Guidance Values - PFAS/PFOA	HA-12 (14-16) 02/09/2023 L2307196-16 14 - 16 (ft)	HA-13 (2-4) 02/13/2023 L2307677-01 L2310952-01 2 - 4 (ft)	HA-13 (6-8) 02/13/2023 L2307677-02 L2310952-02 6 - 8 (ft)	HA-13 (10-12) 02/13/2023 L2307677-03 L2310952-03 10 - 12 (ft)	HA-13 (14-16) 02/13/2023 L2307677-04 L2310952-04 14 - 16 (ft)	HA-14 (2-4) 02/01/2023 L2305570-09 2 - 4 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,4-Dioxane	NA	NA	NA	ND (0.029)	0.027 R	0.028 R	0.032 R	0.039 R	ND (0.028)
PFAS (ng/g)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.731)	ND (0.798) J	ND (0.781) J	ND (0.798) J	ND (0.795) J	ND (0.78)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.731)	ND (0.798) J	ND (0.781) J	ND (0.798) J	ND (0.795) J	ND (0.78)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.183)	ND (0.2)	ND (0.195)	0.176 J	0.143 J	ND (0.195)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	NA	ND (0.183) J	ND (0.2) J	ND (0.195) J	ND (0.2) J	ND (0.199) J	ND (0.195)
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.183)	ND (0.2)	ND (0.195)	ND (0.2)	ND (0.199)	ND (0.195)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.731)	ND (0.798)	ND (0.781)	ND (0.798)	ND (0.795)	ND (0.78)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.183)	ND (0.2)	ND (0.195)	ND (0.2)	ND (0.199)	ND (0.195)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.183)	ND (0.2)	ND (0.195)	ND (0.2)	ND (0.199)	ND (0.195)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.183)	ND (0.2) J	ND (0.195) J	ND (0.2) J	ND (0.199) J	ND (0.195)
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.183)	ND (0.2)	ND (0.195)	ND (0.2)	ND (0.199)	ND (0.195)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.183)	ND (0.2)	ND (0.195)	ND (0.2)	ND (0.199)	ND (0.195)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.183)	ND (0.2)	ND (0.195)	ND (0.2)	ND (0.199)	ND (0.195)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.183) J	ND (0.2)	ND (0.195)	ND (0.2)	ND (0.199)	0.078 J
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.183)	0.088 J	ND (0.195) J	ND (0.2) J	ND (0.199) J	ND (0.195) J
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.183)	ND (0.2)	ND (0.195)	0.088 J	ND (0.199)	ND (0.195)
Perfluorooctanesulfonic acid (PFOS)	3.7	44	0.88	ND (0.183)	0.335 J	0.125 J	0.255 J	0.254 J	0.398 J
Perfluorooctanoic acid (PFOA)	1.1	33	0.66	0.066 J	0.096 J	ND (0.195) J	ND (0.2) J	ND (0.199) J	0.546
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.366)	ND (0.399)	ND (0.391)	ND (0.399)	ND (0.398)	ND (0.39)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.183) J	ND (0.2)	ND (0.195)	ND (0.2)	ND (0.199)	ND (0.195)
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.183) J	ND (0.2)	ND (0.195)	ND (0.2)	ND (0.199)	ND (0.195)
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.183)	ND (0.2)	ND (0.195)	ND (0.2)	ND (0.199)	ND (0.195)
US EPA PFAS (PFOS + PFOA)	NA	NA	NA	0.066 J	0.431 J	0.125 J	0.255 J	0.254 J	0.944 J

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TABLE 2e

REMEDIAL INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-14	HA-14	HA-14	HA-15	HA-15	HA-15
	Restricted Use	Restricted	Unrestricted Use	HA-14 (6-8)	HA-14 (10-12)	HA-14 (14-16)	HA-15 (2-4)	HA-15 (6-8)	HA-15 (10-12)
	NYSDEC Guidance	Residential Use	NYSDEC	02/01/2023	02/01/2023	02/01/2023	02/01/2023	02/01/2023	02/01/2023
	Values -	NYSDEC	NYSDEC						
	Protection of	Guidance Values	Guidance Values						
	Groundwater -	- PFAS/PFOA	- PFAS/PFOA	L2305570-10	L2305570-11	L2305570-12	L2305570-13	L2305570-14	L2305570-15
	PFAS/PFOA			6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,4-Dioxane	NA	NA	NA	ND (0.029)	ND (0.028)	ND (0.11)	ND (0.026)	ND (0.028)	ND (0.1)
PFAS (ng/g)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.784)	ND (0.74)	ND (0.786)	ND (0.748)	ND (0.768)	ND (0.782)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.784)	ND (0.74)	ND (0.786)	ND (0.748)	ND (0.768)	ND (0.782)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.196)	ND (0.185)	ND (0.196)	ND (0.187)	ND (0.192)	ND (0.195)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	NA	ND (0.196)	ND (0.185)	ND (0.196)	ND (0.187)	ND (0.192)	ND (0.195)
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.196)	ND (0.185)	ND (0.196)	ND (0.187)	ND (0.192)	ND (0.195)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.784)	ND (0.74)	ND (0.786)	ND (0.748)	ND (0.768)	ND (0.782)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.196)	ND (0.185)	ND (0.196)	ND (0.187)	ND (0.192)	ND (0.195)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.196)	ND (0.185)	ND (0.196)	ND (0.187)	ND (0.192)	ND (0.195)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.196)	ND (0.185)	ND (0.196)	ND (0.187)	ND (0.192)	ND (0.195)
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.196)	ND (0.185)	ND (0.196)	ND (0.187)	ND (0.192)	ND (0.195)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.196)	ND (0.185)	ND (0.196)	ND (0.187)	ND (0.192)	ND (0.195)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.196)	ND (0.185)	ND (0.196)	ND (0.187)	ND (0.192)	ND (0.195)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	0.094 J	ND (0.185)	ND (0.196)	ND (0.187)	ND (0.192)	ND (0.195)
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.196) J	ND (0.185) J	ND (0.196) J	ND (0.187) J	ND (0.192) J	ND (0.195) J
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.196)	ND (0.185)	ND (0.196)	ND (0.187)	ND (0.192)	ND (0.195)
Perfluorooctanesulfonic acid (PFOS)	3.7	44	0.88	0.11 J	0.118 J	0.236 J	0.075 J	0.315 J	0.446 J
Perfluorooctanoic acid (PFOA)	1.1	33	0.66	ND (0.196)	ND (0.185)	ND (0.196)	0.172 J	ND (0.192)	ND (0.195)
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	0.078 J	ND (0.37)	ND (0.393)	ND (0.374)	ND (0.384)	ND (0.391)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.196)	ND (0.185)	ND (0.196)	ND (0.187)	ND (0.192)	ND (0.195)
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.196)	ND (0.185)	ND (0.196)	ND (0.187)	ND (0.192)	ND (0.195)
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.196)	ND (0.185)	ND (0.196)	ND (0.187)	ND (0.192)	ND (0.195)
US EPA PFAS (PFOS + PFOA)	NA	NA	NA	0.11 J	0.118 J	0.236 J	0.247 J	0.315 J	0.446 J

ABBREVIATIONS AND NOTES:

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TABLE 2e
REMEDIAL INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-15	HA-16	HA-16	HA-16	HA-16	HA-17
	Restricted Use NYSDEC Guidance Values - Protection of Groundwater - PFAS/PFOA	Restricted Residential Use NYSDEC Guidance Values - PFAS/PFOA	Unrestricted Use NYSDEC Guidance Values - PFAS/PFOA	HA-15 (14-16) 02/01/2023 L2305570-16 14 - 16 (ft)	HA-16 (2-4) 02/01/2023 L2305570-17 2 - 4 (ft)	HA-16 (6-8) 02/01/2023 L2305570-18 6 - 8 (ft)	HA-16 (10-12) 02/01/2023 L2305570-19 10 - 12 (ft)	HA-16 (14-16) 02/01/2023 L2305570-20 14 - 16 (ft)	HA-17 (2-4) 02/08/2023 L2306883-13 L2310952-36 2 - 4 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,4-Dioxane	NA	NA	NA	ND (0.096)	ND (0.027)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.029)
PFAS (ng/g)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.796)	ND (0.788)	ND (0.784)	ND (0.781)	ND (0.784)	ND (0.772)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.796)	ND (0.788)	ND (0.784)	ND (0.781)	ND (0.784)	ND (0.772) J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.199)	ND (0.197)	ND (0.196)	ND (0.195)	ND (0.196)	ND (0.193)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	NA	ND (0.199)	ND (0.197)	ND (0.196)	ND (0.195)	ND (0.196)	ND (0.193) J
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.199)	ND (0.197)	ND (0.196)	ND (0.195)	ND (0.196)	ND (0.193)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.796)	ND (0.788)	ND (0.784)	ND (0.781)	ND (0.784)	ND (0.772) J
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.199)	ND (0.197)	ND (0.196)	ND (0.195)	ND (0.196)	ND (0.193)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.199)	0.126 J	0.094 J	ND (0.195)	ND (0.196)	ND (0.193)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.199)	0.063 J	ND (0.196)	ND (0.195)	ND (0.196)	ND (0.193) J
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.199)	ND (0.197)	ND (0.196)	ND (0.195)	ND (0.196)	ND (0.193) J
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.199)	ND (0.197)	ND (0.196)	ND (0.195)	ND (0.196)	ND (0.193)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.199)	ND (0.197)	ND (0.196)	ND (0.195)	ND (0.196)	ND (0.193)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.199)	ND (0.197)	ND (0.196)	ND (0.195)	ND (0.196)	ND (0.193)
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.199) J	ND (0.197) J	0.141 J	ND (0.195) J	ND (0.196) J	ND (0.193) J
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.199)	ND (0.197)	ND (0.196)	ND (0.195)	ND (0.196)	ND (0.193)
Perfluorooctanesulfonic acid (PFOS)	3.7	44	0.88	0.143 J	2.35 J	2.71 J	ND (0.195) J	0.22 J	0.224
Perfluorooctanoic acid (PFOA)	1.1	33	0.66	ND (0.199)	ND (0.197)	0.086 J	ND (0.195)	ND (0.196)	ND (0.193)
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.398)	ND (0.394)	ND (0.392)	ND (0.39)	ND (0.392)	ND (0.386)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.199)	ND (0.197)	ND (0.196) J	ND (0.195)	ND (0.196)	ND (0.193) J
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.199)	ND (0.197)	ND (0.196) J	ND (0.195)	ND (0.196)	ND (0.193)
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.199)	0.079 J	ND (0.196)	ND (0.195)	ND (0.196)	ND (0.193)
US EPA PFAS (PFOS + PFOA)	NA	NA	NA	0.143 J	2.35 J	2.8 J	ND (0.195) J	0.22 J	0.224

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TABLE 2e

REMEDIAL INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-17 HA-17 (6-8) 02/08/2023	HA-17 HA-17 (10-12) 02/08/2023	HA-17 HA-17 (14-16) 02/08/2023	HA-18 HA-18 (2-4) 02/13/2023	HA-18 HA-18 (6-8) 02/13/2023	HA-18 HA-18 (10-12) 02/13/2023
	Restricted Use NYSDEC Guidance Values - Protection of Groundwater - PFAS/PFOA	Restricted Residential Use NYSDEC Guidance Values - PFAS/PFOA	Unrestricted Use NYSDEC Guidance Values - PFAS/PFOA	L2306883-14 6 - 8 (ft)	L2306883-15 10 - 12 (ft)	L2306883-16 L2310952-37 14 - 16 (ft)	L2307677-05 L2310952-05 2 - 4 (ft)	L2307677-06 L2310952-06 6 - 8 (ft)	L2307677-07 L2310952-07 10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,4-Dioxane	NA	NA	NA	ND (0.03)	ND (0.031)	ND (0.03)	0.028 R	0.029 R	0.033 R
PFAS (ng/g)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.78)	ND (0.776)	ND (0.778)	ND (0.795) J	ND (0.785) J	ND (0.793) J
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.78) J	ND (0.776) J	ND (0.778) J	ND (0.795) J	ND (0.785) J	ND (0.793) J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.195)	ND (0.194) J	ND (0.194)	ND (0.199)	ND (0.196)	ND (0.198)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	NA	ND (0.195) J	ND (0.194) J	ND (0.194) J	ND (0.199) J	ND (0.196) J	ND (0.198) J
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.195)	ND (0.194)	ND (0.194)	ND (0.199)	ND (0.196)	ND (0.198)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.78) J	ND (0.776) J	ND (0.778) J	ND (0.795)	ND (0.785)	ND (0.793)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.195)	ND (0.194)	ND (0.194)	ND (0.199)	ND (0.196)	ND (0.198)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.195)	ND (0.194)	ND (0.194)	ND (0.199)	ND (0.196)	ND (0.198)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.195) J	ND (0.194) J	ND (0.194) J	ND (0.199) J	ND (0.196) J	ND (0.198) J
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.195) J	ND (0.194) J	ND (0.194) J	ND (0.199)	ND (0.196)	ND (0.198)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.195)	ND (0.194)	ND (0.194)	0.032 J	ND (0.196)	ND (0.198)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.195)	ND (0.194)	ND (0.194)	ND (0.199)	ND (0.196)	ND (0.198)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.195)	ND (0.194)	ND (0.194)	ND (0.199)	ND (0.196)	ND (0.198)
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.195) J	ND (0.194) J	ND (0.194) J	ND (0.199) J	ND (0.196) J	ND (0.198) J
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.195)	ND (0.194) J	ND (0.194)	ND (0.199)	ND (0.196)	ND (0.198)
Perfluorooctanesulfonic acid (PFOS)	3.7	44	0.88	0.132 J	0.287	0.202	0.565 J	0.392 J	0.468 J
Perfluorooctanoic acid (PFOA)	1.1	33	0.66	ND (0.195)	0.233	0.117 J	0.159 J	0.22 J	0.127 J
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.39)	ND (0.388)	ND (0.389)	ND (0.398)	ND (0.392)	ND (0.397)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.195) J	ND (0.194) J	ND (0.194) J	ND (0.199)	ND (0.196)	ND (0.198)
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.195)	ND (0.194) J	ND (0.194) J	ND (0.199)	ND (0.196)	ND (0.198)
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.195)	ND (0.194)	ND (0.194)	ND (0.199)	ND (0.196)	ND (0.198)
US EPA PFAS (PFOS + PFOA)	NA	NA	NA	0.132 J	0.52	0.319 J	0.724 J	0.612 J	0.595 J

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TABLE 2e

REMEDIAL INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET

BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level								
	Restricted Use	Restricted	Unrestricted Use	HA-18	HA-18	HA-19	HA-19	HA-19	HA-19
	NYSDEC Guidance	Residential Use	NYSDEC	DUP_1_02132023	HA-18 (14-16)	HA-19 (2-4)	HA-19 (6-8)	HA-19 (10-12)	DUP_1_02082023
	Values -	NYSDEC	NYSDEC	02/13/2023	02/13/2023	02/08/2023	02/08/2023	02/08/2023	02/08/2023
	Protection of Groundwater - PFAS/PFOA	Guidance Values - PFAS/PFOA	Guidance Values - PFAS/PFOA	L2307677-09 L2310952-09 10 - 12 (ft)	L2307677-08 L2310952-08 14 - 16 (ft)	L2306883-17 L2310952-38 2 - 4 (ft)	L2306883-18 L2310952-39 6 - 8 (ft)	L2306883-19 L2310952-40 10 - 12 (ft)	L2306883-27 L2310952-46 10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,4-Dioxane	NA	NA	NA	0.028 R	0.03 R	ND (0.032)	ND (0.029)	ND (0.088)	ND (0.029)
PFAS (ng/g)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.788) J	ND (0.79) J	ND (0.787)	ND (0.756)	ND (0.779)	ND (0.788)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.788) J	ND (0.79) J	ND (0.787) J	ND (0.756) J	ND (0.779) J	ND (0.788) J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.197)	ND (0.198)	ND (0.197)	ND (0.189)	ND (0.195)	ND (0.197)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	NA	ND (0.197) J	ND (0.198) J	ND (0.197) J	ND (0.189) J	ND (0.195) J	ND (0.197) J
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.197)	ND (0.198)	ND (0.197)	ND (0.189)	ND (0.195)	ND (0.197)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	0.063 J	ND (0.79)	ND (0.787) J	ND (0.756) J	ND (0.779) J	ND (0.788) J
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.197)	ND (0.198)	ND (0.197)	ND (0.189)	ND (0.195)	ND (0.197)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.197)	ND (0.198)	0.268	ND (0.189)	ND (0.195)	0.142 J
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.197) J	ND (0.198) J	0.095 J	ND (0.189) J	ND (0.195) J	0.095 J
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.197)	ND (0.198)	ND (0.197) J	ND (0.189) J	ND (0.195) J	ND (0.197) J
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.197)	ND (0.198)	0.071 J	0.038 J	ND (0.195)	ND (0.197)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.197)	ND (0.198)	ND (0.197)	ND (0.189)	ND (0.195)	ND (0.197)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.197)	ND (0.198)	0.079 J	0.045 J	ND (0.195)	0.087 J
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.197) J	ND (0.198) J	0.189 J	ND (0.189) J	ND (0.195) J	0.095 J
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.197)	ND (0.198)	0.118 J	ND (0.189)	ND (0.195)	ND (0.197)
Perfluorooctanesulfonic acid (PFOS)	3.7	44	0.88	0.355 J	0.348 J	1.13	0.461	0.273 J	0.709 J
Perfluorooctanoic acid (PFOA)	1.1	33	0.66	ND (0.197) J	ND (0.198) J	0.402	0.166 J	0.125 J	0.252
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.394)	ND (0.395)	ND (0.394)	ND (0.378)	ND (0.39)	0.071 J
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.197)	ND (0.198)	ND (0.197) J	ND (0.189) J	ND (0.195) J	ND (0.197) J
Perfluorotridecanoic acid (PFTTrDA)	NA	NA	NA	ND (0.197)	ND (0.198)	ND (0.197)	ND (0.189)	ND (0.195)	ND (0.197)
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.197)	ND (0.198)	ND (0.197)	ND (0.189)	ND (0.195)	ND (0.197)
US EPA PFAS (PFOS + PFOA)	NA	NA	NA	0.355 J	0.348 J	1.53	0.627 J	0.398 J	0.961 J

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TABLE 2e
REMEDIATION INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-19	HA-19	HA-20	HA-20	HA-20	HA-20
	Restricted Use NYSDEC Guidance Values - Protection of Groundwater - PFAS/PFOA	Restricted Residential Use NYSDEC Guidance Values - PFAS/PFOA	Unrestricted Use NYSDEC Guidance Values - PFAS/PFOA	HA-19 (14-16) 02/08/2023 L2306883-20 L2310952-41 14 - 16 (ft)	HA-19 (20-22) 02/08/2023 L2306883-21 20 - 22 (ft)	HA-20 (2-4) 02/10/2023 L2307511-05 L2310952-24 2 - 4 (ft)	HA-20 (6-8) 02/10/2023 L2307511-06 L2310952-25 6 - 8 (ft)	HA-20 (10-12) 02/10/2023 L2307511-07 L2310952-26 10 - 12 (ft)	HA-20 (14-16) 02/10/2023 L2307511-08 14 - 16 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,4-Dioxane	NA	NA	NA	ND (0.086)	ND (0.081)	ND (0.031)	ND (0.033)	ND (0.033)	ND (0.042)
PFAS (ng/g)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.786)	ND (0.794)	ND (0.799) J	ND (0.793) J	0.278 J	ND (0.796) J
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.786) J	ND (0.794) J	ND (0.799) J	ND (0.793) J	ND (0.795) J	ND (0.796) J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.196)	ND (0.198)	ND (0.2)	ND (0.198)	ND (0.199)	ND (0.199)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	NA	ND (0.196) J	ND (0.198) J	ND (0.2) J	ND (0.198) J	ND (0.199) J	ND (0.199) J
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.196)	ND (0.198)	ND (0.2)	ND (0.198)	ND (0.199)	ND (0.199)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.786) J	ND (0.794) J	ND (0.799)	ND (0.793)	ND (0.795)	ND (0.796)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.196)	ND (0.198)	ND (0.2)	ND (0.198)	ND (0.199)	ND (0.199)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.196)	ND (0.198)	ND (0.2)	ND (0.198)	0.08 J	0.08 J
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.196) J	ND (0.198) J	ND (0.2) J	ND (0.198) J	ND (0.199) J	ND (0.199) J
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.196) J	ND (0.198) J	ND (0.2)	ND (0.198)	0.04 J	0.056 J
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.196)	ND (0.198)	ND (0.2)	ND (0.198)	0.064 J	0.056 J
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.196)	ND (0.198)	0.16 J	ND (0.198)	0.199	0.231
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.196)	ND (0.198)	0.048 J	ND (0.198)	0.088 J	0.08 J
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.196) J	ND (0.198) J	0.128 J	ND (0.198) J	0.111 J	0.199 J
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.196)	ND (0.198)	ND (0.2)	ND (0.198)	ND (0.199)	ND (0.199)
Perfluorooctanesulfonic acid (PFOS)	3.7	44	0.88	0.503	ND (0.198)	1.88 J	1.67 J	3.31 J	3.91 J
Perfluorooctanoic acid (PFOA)	1.1	33	0.66	0.165 J	0.111 J	0.144 J	ND (0.198) J	0.414 J	0.255 J
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.393)	ND (0.397)	ND (0.399)	ND (0.397)	0.095 J	0.088 J
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.196) J	ND (0.198) J	ND (0.2)	ND (0.198)	ND (0.199)	ND (0.199)
Perfluorotridecanoic acid (PFTTrDA)	NA	NA	NA	ND (0.196)	ND (0.198)	ND (0.2)	ND (0.198)	ND (0.199)	ND (0.199)
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.196)	ND (0.198)	ND (0.2)	ND (0.198)	ND (0.199)	ND (0.199)
US EPA PFAS (PFOS + PFOA)	NA	NA	NA	0.668 J	0.111 J	2.02 J	1.67 J	3.72 J	4.17 J

ABBREVIATIONS AND NOTES:

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R: Rejected

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Guidance Values, Restricted Residential Use Guidance Values, and Protection of Groundwater Guidance Values for PFOA and PFOS.

- ***Bold italic*** values indicate an exceedance of the Protection of Groundwater Criteria.

- Grey shading indicates an exceedance of the Unrestricted Use Guidance Values.

- Yellow shading indicates an exceedance of the Restricted Residential Use Guidance Values.

TABLE 2e
REMEDIAL INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN SOIL
556 BALTIM STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-21	HA-21	HA-21	HA-21	HA-21
	Restricted Use NYSDEC Guidance Values - Protection of Groundwater - PFAS/PFOA	Restricted Residential Use NYSDEC Guidance Values - PFAS/PFOA	Unrestricted Use NYSDEC Guidance Values - PFAS/PFOA	HA-21 (2-4) 02/08/2023 L2306883-22 L2310952-47 2 - 4 (ft)	HA-21 (6-8) 02/08/2023 L2306883-23 L2310952-42 6 - 8 (ft)	HA-21 (10-12) 02/08/2023 L2306883-24 L2310952-43 10 - 12 (ft)	HA-21 (14-16) 02/08/2023 L2306883-25 L2310952-44 14 - 16 (ft)	HA-21 (20-22) 02/08/2023 L2306883-26 L2310952-45 20 - 22 (ft)
Semi-Volatile Organic Compounds (mg/kg)								
1,4-Dioxane	NA	NA	NA	ND (0.029)	ND (0.029)	ND (0.086)	ND (0.092)	ND (0.034)
PFAS (ng/g)								
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.786)	ND (0.758)	ND (0.777)	ND (0.77)	ND (0.796)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.786) J	ND (0.758) J	ND (0.777) J	ND (0.77) J	ND (0.796) J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.197)	ND (0.189)	ND (0.194)	ND (0.193)	ND (0.199)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	NA	ND (0.197) J	ND (0.189) J	ND (0.194) J	ND (0.193) J	ND (0.199) J
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.197)	ND (0.189)	ND (0.194)	ND (0.193)	ND (0.199)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.786) J	ND (0.758) J	ND (0.777) J	ND (0.77) J	ND (0.796) J
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.197)	ND (0.189)	ND (0.194)	ND (0.193)	ND (0.199)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.197)	ND (0.189)	ND (0.194)	ND (0.193)	ND (0.199)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.197) J	ND (0.189) J	ND (0.194) J	ND (0.193) J	ND (0.199) J
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.197) J	ND (0.189) J	ND (0.194) J	ND (0.193) J	ND (0.199) J
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.197)	ND (0.189)	ND (0.194)	ND (0.193)	ND (0.199)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.197)	ND (0.189)	ND (0.194)	ND (0.193)	ND (0.199)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	ND (0.197)	ND (0.189)	ND (0.194)	ND (0.193)	ND (0.199)
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.197) J	ND (0.189) J	ND (0.194) J	ND (0.193) J	ND (0.199) J
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.197)	ND (0.189)	ND (0.194)	ND (0.193)	ND (0.199)
Perfluorooctanesulfonic acid (PFOS)	3.7	44	0.88	0.401	0.182 J	0.101 J	0.223	0.127 J
Perfluorooctanoic acid (PFOA)	1.1	33	0.66	0.189 J	0.099 J	0.14 J	0.131 J	0.103 J
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.393)	ND (0.379)	ND (0.388)	ND (0.385)	ND (0.398)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.197) J	ND (0.189) J	ND (0.194) J	ND (0.193) J	ND (0.199) J
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.197)	ND (0.189)	ND (0.194)	ND (0.193)	ND (0.199)
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.197)	ND (0.189)	ND (0.194)	ND (0.193)	ND (0.199)
US EPA PFAS (PFOS + PFOA)	NA	NA	NA	0.59 J	0.281 J	0.241 J	0.354 J	0.23 J

ABBREVIATIONS AND NOTES:

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- ***Bold italic*** values indicate an exceedance of the Protection of Groundwater Criteria.

- Grey shading indicates an exceedance of the Unrestricted Use Guidance Values.

- Yellow shading indicates an exceedance of the Restricted Residential Use Guidance Values.

TABLE 2f

REMEDIAL INVESTIGATION - METALS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET
BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-01 HA-01 (2-4) 02/08/2023 L2306883-01 L2310952-27 2 - 4 (ft)	HA-01 HA-01 (6-8) 02/08/2023 L2306883-02 L2310952-28 6 - 8 (ft)	HA-01 HA-01 (10-12) 02/08/2023 L2306883-03 L2310952-29 10 - 12 (ft)	HA-01 HA-01 (14-16) 02/08/2023 L2306883-04 14 - 16 (ft)	HA-02 HA-02 (2-4) 02/08/2023 L2306883-05 L2310952-30 2 - 4 (ft)	HA-02 HA-02 (6-8) 02/08/2023 L2306883-06 L2310952-31 6 - 8 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
General Chemistry									
Total Solids (%)	NA	NA	NA	78.3	85.2	77.6	80.1	82.9	83.6
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	6070	7540	8320	6720	6030	3650
Antimony	NA	NA	NA	ND (4.84)	ND (4.41)	ND (4.87)	ND (4.78)	4.87	ND (4.51)
Arsenic	16	16	13	4.92	8.74	3.94	5.11	9.27	51
Barium	820	400	350	89.6	132	96.7	50.4	322	247
Beryllium	47	72	7.2	0.299 J	0.396 J	0.46 J	0.382 J	0.853	0.265 J
Cadmium	7.5	4.3	2.5	0.533 J	0.293 J	0.185 J	0.154 J	1.46	0.266 J
Calcium	NA	NA	NA	37000	1720	4850	3470	27600	5830
Chromium	NA	NA	NA	16.3	19.2	10.6	13.8	23.2	16.5
Cobalt	NA	NA	NA	4.04	8.02	4.59	5.98	9.37	5.88
Copper	1720	270	50	44	31.1	15.5	19.2	155	323
Iron	NA	NA	NA	11000	23000	14300	12400	17900	16400
Lead	450	400	63	114	550	120	64.5	1850	3070
Magnesium	NA	NA	NA	3800	2870	2110	2290	4900	772
Manganese	2000	2000	1600	200	92.5	682	190	266	104
Mercury	0.73	0.81	0.18	0.241	0.616	0.17	0.585	0.515	3.22
Nickel	130	310	30	13.8	27.7	13.2	23.8	34.5	15.6
Potassium	NA	NA	NA	905	1370	549	929	840	507
Selenium	4	180	3.9	0.375 J	0.296 J	ND (1.95)	ND (1.91)	0.705 J	1.89
Silver	8.3	180	2	0.318 J	0.524	0.421 J	ND (0.478)	0.809	1.14
Sodium	NA	NA	NA	346	136 J	109 J	342	479	600
Thallium	NA	NA	NA	ND (1.94)	ND (1.76)	ND (1.95)	ND (1.91)	ND (1.84)	ND (1.8)
Vanadium	NA	NA	NA	16.6	21.4	17.3	21.7	24.4	18.4
Zinc	2480	10000	109	175	60.8	30.7	41.6	576	414

ABBREVIATIONS AND NOTES:

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- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.

- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 2f

REMEDIAL INVESTIGATION - METALS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET
BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level								
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-02	HA-02	HA-03	HA-03	HA-03	HA-03
				HA-02 (10-12)	HA-02 (14-16)	HA-03 (2-4)	HA-03 (6-8)	HA-03 (10-12)	HA-03 (14-16)
				02/08/2023	02/08/2023	02/10/2023	02/10/2023	02/10/2023	02/10/2023
				L2306883-07	L2306883-08 L2310952-32	L2307511-01	L2307511-02 L2310952-22	L2307511-03 L2310952-23	L2307511-04
			10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	
General Chemistry									
Total Solids (%)	NA	NA	NA	79.8	87	92.1	73.3	86.1	88.5
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	9580	2160	2480	4880	6680	7270
Antimony	NA	NA	NA	ND (4.71)	ND (4.34)	ND (4.12)	0.642 J	ND (4.41)	ND (4.25)
Arsenic	16	16	13	4.25	5.35	2.4	13	6.76	3.1
Barium	820	400	350	36.6	67.7	43.7	58.8	88.6	40.5
Beryllium	47	72	7.2	0.443 J	0.199 J	0.111 J	0.262 J	0.337 J	0.348 J
Cadmium	7.5	4.3	2.5	0.212 J	1.86	0.492 J	0.628 J	0.145 J	0.088 J
Calcium	NA	NA	NA	4230	3080	11700	10300	2400	3140
Chromium	NA	NA	NA	12.4	5.1	5.7	12	12.1	13.9
Cobalt	NA	NA	NA	5.14	2.29	2.87	3.81	6.41	5.88
Copper	1720	270	50	12.4	76.4	14.4	42.6	25.8	16.1
Iron	NA	NA	NA	14400	5230	5070	11400	20400	14600
Lead	450	400	63	57.1	183	67.1	208	237	59.5
Magnesium	NA	NA	NA	1970	348	1110	2150	1380	2120
Manganese	2000	2000	1600	242	43.6	86.5	163	391	408
Mercury	0.73	0.81	0.18	0.102	0.726	0.104	0.503	1.25	0.158
Nickel	130	310	30	12.4	6.77	7.66	14.8	15.6	16.5
Potassium	NA	NA	NA	650	316	426	561	557	774
Selenium	4	180	3.9	0.38 J	0.651 J	ND (1.65)	0.516 J	1.03 J	ND (1.7)
Silver	8.3	180	2	0.309 J	ND (0.434)	ND (0.412)	ND (0.52)	ND (0.441)	ND (0.425)
Sodium	NA	NA	NA	252	155 J	219	354	86.8 J	95.7 J
Thallium	NA	NA	NA	ND (1.88)	ND (1.73)	ND (1.65)	ND (2.08)	0.415 J	0.355 J
Vanadium	NA	NA	NA	19.2	13	8.52	22.1	18.5	21.4
Zinc	2480	10000	109	54.8	1440	150	200	93	35.4

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TABLE 2f

REMEDIAL INVESTIGATION - METALS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET
BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-04 HA-04 (2-4) 02/02/2023 L2305934-01 2 - 2 (ft)	HA-04 HA-04 (6-8) 02/02/2023 L2305934-02 6 - 8 (ft)	HA-04 DUP_1_02022023 02/02/2023 L2305934-09 6 - 8 (ft)	HA-04 HA-04 (10-12) 02/02/2023 L2305934-03 10 - 12 (ft)	HA-04 HA-04 (14-16) 02/02/2023 L2305934-04 14 - 16 (ft)	HA-05 HA-05 (2-4) 02/02/2023 L2305934-05 2 - 4 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
General Chemistry									
Total Solids (%)	NA	NA	NA	91.3	80.4	79.5	73.8	48.5	90.8
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	5920	5140	6510	6030	8100	4410
Antimony	NA	NA	NA	ND (4.28)	ND (4.9)	ND (4.87)	ND (5.28)	ND (8.12)	ND (4.24)
Arsenic	16	16	13	5.34 J+	26.6 J+	4.98 J+	20.8 J+	29 J+	6.37 J+
Barium	820	400	350	146 J+	510 J+	90.2 J+	239 J+	235 J+	78.5 J+
Beryllium	47	72	7.2	0.324 J	0.26 J	0.393 J	0.54	0.872	0.171 J
Cadmium	7.5	4.3	2.5	0.228 J	1.64 J	0.159 J	ND (1.06)	ND (1.62)	0.229 J
Calcium	NA	NA	NA	18200	26600 J	4780 J	7350	13900	41400
Chromium	NA	NA	NA	11.4	15.5	15.3	19.2	13.3	10.4
Cobalt	NA	NA	NA	3.7	5.89	6.79	6.14	8.55	5.07
Copper	1720	270	50	34.8	89.1 J	30.1 J	51.1	77.7	62.2
Iron	NA	NA	NA	9090	24100 J	13000 J	11800	21200	10400
Lead	450	400	63	230	746 J	394 J	1480	586	129
Magnesium	NA	NA	NA	2740 J+	3140 J+	3510 J+	597 J+	777 J+	14400 J+
Manganese	2000	2000	1600	204 J+	185 J+	117 J+	89.8 J+	165 J+	183 J+
Mercury	0.73	0.81	0.18	1.05	1.11	0.76	1.76	0.633	0.286
Nickel	130	310	30	15.5	25.3	28.4	15	19.8	26
Potassium	NA	NA	NA	685 J+	615 J+	1040 J+	1040 J+	1090 J+	668 J+
Selenium	4	180	3.9	0.356 J	0.964 J	0.835 J	1.23 J	2.53 J	0.284 J
Silver	8.3	180	2	ND (0.428)	0.595	ND (0.487)	0.339 J	ND (0.812)	ND (0.424)
Sodium	NA	NA	NA	401	311	149 J	534	528	370
Thallium	NA	NA	NA	ND (1.71)	ND (1.96)	ND (1.95)	ND (2.11)	ND (3.25)	ND (1.69)
Vanadium	NA	NA	NA	15.5	26.7	19.7	31	40.4	30.6
Zinc	2480	10000	109	138	531 J	190 J	117	154	99.6

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TABLE 2f

REMEDIAL INVESTIGATION - METALS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET
BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level								
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-05	HA-05	HA-05	HA-06	HA-06	HA-06
				HA-05 (6-8)	HA-05 (10-12)	HA-05 (14-16)	HA-06 (2-4)	HA-06 (6-8)	HA-06 (10-12)
				02/02/2023	02/02/2023	02/02/2023	02/01/2023	02/01/2023	02/01/2023
				L2305934-06	L2305934-07	L2305934-08	L2305570-01	L2305570-02	L2305570-03
			6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	
General Chemistry									
Total Solids (%)	NA	NA	NA	85.1	84.4	86.3	83.8	89.3	85.5
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	5920	8750	6890	6610	5680	6410
Antimony	NA	NA	NA	ND (4.44)	ND (4.56)	ND (4.53)	8.59	ND (4.23)	ND (4.41)
Arsenic	16	16	13	12.6 J+	7.3 J+	3.63 J+	33.9	3.54	4.93
Barium	820	400	350	205 J+	104 J+	22.8 J+	90.2	52.6	52.9
Beryllium	47	72	7.2	0.375 J	0.489	0.35 J	0.423 J	0.385 J	0.393 J
Cadmium	7.5	4.3	2.5	0.298 J	ND (0.911)	ND (0.905)	0.338 J	ND (0.846)	ND (0.883)
Calcium	NA	NA	NA	1840	3130	908	5090	1500	2420
Chromium	NA	NA	NA	14.6	17.6	9.67	20.2	12.2	12.5
Cobalt	NA	NA	NA	6.44	7.17	4.55	9.6	5.71	5.56
Copper	1720	270	50	122	31.9	10.2	132	16.5	24.4
Iron	NA	NA	NA	13200	20200	13200	39800	12400	13500
Lead	450	400	63	358	243	30.1	322	82.4	117
Magnesium	NA	NA	NA	1880 J+	2000 J+	1790 J+	2800	2860	2310
Manganese	2000	2000	1600	107 J+	572 J+	229 J+	288	126	356
Mercury	0.73	0.81	0.18	0.362	0.387	0.117	1.01	0.2	0.755
Nickel	130	310	30	18.6	27	10.8	37	20.2	24.5
Potassium	NA	NA	NA	743 J+	706 J+	534 J+	998	894	706
Selenium	4	180	3.9	0.464 J	0.375 J	ND (1.81)	0.253 J	ND (1.69)	ND (1.76)
Silver	8.3	180	2	ND (0.444)	ND (0.456)	ND (0.453)	0.288 J	ND (0.423)	ND (0.441)
Sodium	NA	NA	NA	88.2 J	151 J	91 J	153 J	201	175 J
Thallium	NA	NA	NA	ND (1.78)	ND (1.82)	ND (1.81)	ND (1.81)	ND (1.69)	ND (1.76)
Vanadium	NA	NA	NA	19.4	31.6	15.7	32.6	22	22.4
Zinc	2480	10000	109	580	89.9	26.8	126	48	60.4

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

-: Not Analyzed

bgs: below ground surface

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TABLE 2f
REMEDIAL INVESTIGATION - METALS ANALYTICAL RESULTS IN SOIL
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-06	HA-07	HA-07	HA-07	HA-07	HA-08
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-06 (14-16)	HA-07 (2-4)	HA-07 (6-8)	HA-07 (10-12)	HA-07 (14-16)	HA-08 (2-4)
				02/01/2023	02/09/2023	02/09/2023	02/09/2023	02/09/2023	02/01/2023
				L2305570-04	L2307196-01 L2310952-10	L2307196-02 L2310952-11	L2307196-03 L2310952-12	L2307196-04 L2310952-13	L2305570-05
				14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)
General Chemistry									
Total Solids (%)	NA	NA	NA	85.6	84.8	76.8	69.6	88.6	90.1
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	6950	5760	3870	5880	3180	6940
Antimony	NA	NA	NA	ND (4.43)	1.11 J-	0.763 J-	2 J-	1.49 J-	1.69 J
Arsenic	16	16	13	5.6	4.86	4.54	23.4	4.92	6.88
Barium	820	400	350	67.8	130	133	676	106	198
Beryllium	47	72	7.2	0.414 J	0.238 J	0.345 J	0.359 J	0.28 J	0.376 J
Cadmium	7.5	4.3	2.5	ND (0.886)	0.84 J	0.189 J	0.557 J	0.195 J	0.415 J
Calcium	NA	NA	NA	3950	46300 J-	3340 J-	24300 J-	6060 J-	7000
Chromium	NA	NA	NA	16.4	13.6	7.87	16	6.84	21.7
Cobalt	NA	NA	NA	7.15	4.15	3.23	4.29	4.12	6.81
Copper	1720	270	50	24.2	36.2	73.7	63.9	37	59.6
Iron	NA	NA	NA	13300	13000 J-	5030 J-	11000 J-	7490 J-	15800
Lead	450	400	63	184	212	321	434	204	198
Magnesium	NA	NA	NA	2310	7400	379	3500	428	4930
Manganese	2000	2000	1600	214	354 J-	55.7 J-	196 J-	36 J-	295
Mercury	0.73	0.81	0.18	0.233	0.564	1.04	1.92	0.99	0.577
Nickel	130	310	30	29.6	15.3	9.4	17.6	11.4	44.2
Potassium	NA	NA	NA	985	784	412	699	342	2370
Selenium	4	180	3.9	0.471 J	0.35 J	0.633 J	0.56 J	9.88	ND (1.68)
Silver	8.3	180	2	ND (0.443)	0.399 J	ND (0.518)	ND (0.552)	ND (0.444)	ND (0.419)
Sodium	NA	NA	NA	136 J	179	254	289	221	258
Thallium	NA	NA	NA	ND (1.77)	ND (1.78)	ND (2.07)	ND (2.21)	ND (1.78)	ND (1.68)
Vanadium	NA	NA	NA	27.6	19.2	11.6	17.8	32.5	27.2
Zinc	2480	10000	109	62.7	195	79.6	295	188	216

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TABLE 2f

REMEDIAL INVESTIGATION - METALS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET
BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-08 HA-08 (6-8) 02/01/2023 L2305570-06 6 - 8 (ft)	HA-08 HA-08 (10-12) 02/01/2023 L2305570-07 10 - 12 (ft)	HA-08 HA-08 (14-16) 02/01/2023 L2305570-08 14 - 16 (ft)	HA-09 HA-09 (2-4) 02/09/2023 L2307196-05 2 - 4 (ft)	HA-09 HA-09 (6-8) 02/09/2023 L2307196-06 L2310952-14 6 - 8 (ft)	HA-09 HA-09 (10-12) 02/09/2023 L2307196-07 10 - 12 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
General Chemistry									
Total Solids (%)	NA	NA	NA	88.7	75	66.2	88.2	79.6	82.7
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	8560	4490	3120	6940	4790	8370
Antimony	NA	NA	NA	ND (4.25)	ND (5.08)	ND (5.76)	0.604 J-	1.14 J-	0.426 J-
Arsenic	16	16	13	4.66	13.8	8.41	3.7	8.22	3.04
Barium	820	400	350	51.3	253	132	34.8	300	44.2
Beryllium	47	72	7.2	0.501	0.463 J	0.307 J	0.354 J	0.276 J	0.656
Cadmium	7.5	4.3	2.5	ND (0.85)	ND (1.02)	ND (1.15)	ND (0.878)	0.541 J	ND (0.943)
Calcium	NA	NA	NA	1570	6940	3370	1510 J-	32000 J-	1800 J-
Chromium	NA	NA	NA	19	9.29	6.49	9.56	12.5	16.8
Cobalt	NA	NA	NA	8.25	5.06	4.06	4.1	7.97	7.46
Copper	1720	270	50	71.7	41.8	29.7	6.39	34.7	21.8
Iron	NA	NA	NA	14300	8440	5700	12300 J-	11800 J-	13600 J-
Lead	450	400	63	75.1	1620	243	13.2	324	16.3
Magnesium	NA	NA	NA	4120	609	250	1370	4860	3690
Manganese	2000	2000	1600	165	130	41.8	138 J-	354 J-	328 J-
Mercury	0.73	0.81	0.18	0.156	1.03	0.286	ND (0.077)	1.15	ND (0.087)
Nickel	130	310	30	50.3	12.6	10.4	9.02	16	32
Potassium	NA	NA	NA	1330	540	393	372	630	1580
Selenium	4	180	3.9	ND (1.7)	1.33 J	1.04 J	0.302 J	0.501 J	0.26 J
Silver	8.3	180	2	ND (0.425)	ND (0.508)	ND (0.576)	ND (0.439)	ND (0.496)	ND (0.472)
Sodium	NA	NA	NA	84.6 J	314	204 J	52.1 J	134 J	91.6 J
Thallium	NA	NA	NA	ND (1.7)	ND (2.03)	ND (2.3)	ND (1.76)	ND (1.98)	ND (1.89)
Vanadium	NA	NA	NA	22.3	28	25.9	16.2	23.7	27.1
Zinc	2480	10000	109	77.2	126	59	21.5	463	55.4

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TABLE 2f

REMEDIAL INVESTIGATION - METALS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET
BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-09	HA-10	HA-10	HA-10	HA-10	HA-11
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-09 (14-16)	HA-10 (2-4)	HA-10 (6-8)	HA-10 (10-12)	HA-10 (14-16)	HA-11 (2-4)
				02/09/2023	02/08/2023	02/08/2023	02/08/2023	02/08/2023	02/09/2023
				L2307196-08 L2310952-15	L2306883-09 L2310952-33	L2306883-10	L2306883-11 L2310952-34	L2306883-12 L2310952-35	L2307196-09 L2310952-16
				14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)
General Chemistry									
Total Solids (%)	NA	NA	NA	84.1	87.1	74.6	82.8	82.3	87.8
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	8450	6600	9240	8180	6660	6350
Antimony	NA	NA	NA	0.82 J-	ND (4.38)	ND (5.07)	ND (4.55)	ND (4.58)	3.8 J-
Arsenic	16	16	13	5.54	11.2	5.39	5.23	28.3	6.33
Barium	820	400	350	59.6	126	81.1	65.1	141	186
Beryllium	47	72	7.2	0.426 J	0.384 J	0.405 J	0.434 J	0.388 J	0.262 J
Cadmium	7.5	4.3	2.5	ND (0.947)	0.153 J	0.293 J	0.196 J	0.336 J	0.435 J
Calcium	NA	NA	NA	8310 J-	9190	71200	3880	11300	38100 J-
Chromium	NA	NA	NA	13.8	10.3	15.3	14.8	16.8	12.8
Cobalt	NA	NA	NA	5.73	5.06	4.4	5.72	5.33	3.49
Copper	1720	270	50	17.3	33.2	18.5	22	33.8	47.3
Iron	NA	NA	NA	15400 J-	14300	13000	13600	13500	11700 J-
Lead	450	400	63	121	382	47	178	510	238
Magnesium	NA	NA	NA	2210	1610	15200	2590	3340	5920
Manganese	2000	2000	1600	326 J-	358	730	210	200	194 J-
Mercury	0.73	0.81	0.18	0.22	0.557	0.1 J	0.426	0.503	0.913
Nickel	130	310	30	18.6	12.2	18.4	19.2	16.7	15.1
Potassium	NA	NA	NA	951	557	1460	810	891	747
Selenium	4	180	3.9	0.348 J	0.236 J	ND (2.03)	ND (1.82)	4.07	0.379 J
Silver	8.3	180	2	ND (0.474)	0.284 J	0.535	0.359 J	0.396 J	0.452
Sodium	NA	NA	NA	91.2 J	232	436	99.7 J	271	454
Thallium	NA	NA	NA	ND (1.89)	ND (1.75)	ND (2.03)	ND (1.82)	ND (1.83)	ND (1.78)
Vanadium	NA	NA	NA	30.7	20.2	23.5	22.1	24	17.4
Zinc	2480	10000	109	51.1	62.2	48.8	45.2	128	218

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TABLE 2f

REMEDIAL INVESTIGATION - METALS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET
BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level								
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-11	HA-11	HA-11	HA-12	HA-12	HA-12
				HA-11 (6-8)	HA-11 (10-12)	HA-11 (14-16)	HA-12 (2-4)	HA-12 (6-8)	HA-12 (10-12)
				02/09/2023	02/09/2023	02/09/2023	02/09/2023	02/09/2023	02/09/2023
				L2307196-10	L2307196-11 L2310952-17	L2307196-12 L2310952-18	L2307196-13 L2310952-19	L2307196-14 L2310952-20	L2307196-15 L2310952-21
			6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	
General Chemistry									
Total Solids (%)	NA	NA	NA	80.9	89.6	83.7	82	85.7	83.6
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	8450	6570	8250	5500	5760	6380
Antimony	NA	NA	NA	0.558 J-	1.92 J-	ND (4.6) J	7.62 J-	4.56 J-	1.77 J-
Arsenic	16	16	13	4.73	19.8	6.5	24	9.72	8.07
Barium	820	400	350	78.4	331	50.6	82.2	77	57.4
Beryllium	47	72	7.2	0.455 J	0.522	0.425 J	0.297 J	0.317 J	0.282 J
Cadmium	7.5	4.3	2.5	ND (0.949)	0.192 J	ND (0.92)	ND (0.934)	0.136 J	ND (0.934)
Calcium	NA	NA	NA	11500 J-	7580 J-	5450 J-	52500 J-	3210 J-	11100 J-
Chromium	NA	NA	NA	14.6	15.2	17	12.5	13.3	8.38
Cobalt	NA	NA	NA	6.27	5.77	5.8	7.73	6.77	4.42
Copper	1720	270	50	15.4	121	19	47.9	52.6	11.8
Iron	NA	NA	NA	14300 J-	16200 J-	13400 J-	30100 J-	43600 J-	11700 J-
Lead	450	400	63	44.2	5320	115	223	371	434
Magnesium	NA	NA	NA	2410	1580	2450	2350	1990	1780
Manganese	2000	2000	1600	319 J-	157 J-	149 J-	237 J-	274 J-	194 J-
Mercury	0.73	0.81	0.18	0.291	2.05	0.178	0.888	2.31	0.236
Nickel	130	310	30	22.8	15.3	23.1	29.5	20.8	12
Potassium	NA	NA	NA	728	538	1020	1310	900	509
Selenium	4	180	3.9	0.257 J	0.968 J	0.369 J	0.248 J	0.696 J	0.272 J
Silver	8.3	180	2	ND (0.474)	0.58	ND (0.46)	0.298 J	ND (0.458)	ND (0.467)
Sodium	NA	NA	NA	73.8 J	320	150 J	187	92.6 J	63.1 J
Thallium	NA	NA	NA	ND (1.9)	ND (1.7)	ND (1.84)	ND (1.87)	ND (1.83)	ND (1.87)
Vanadium	NA	NA	NA	23.2	28.9	21	18.7	17.6	13.8
Zinc	2480	10000	109	39.3	173	49	108	242	58.1

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TABLE 2f

REMEDIAL INVESTIGATION - METALS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET
BROOKLYN, NEW YORK

PAGE 86 OF 92

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level								
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-12	HA-13	HA-13	HA-13	HA-13	HA-14
				HA-12 (14-16)	HA-13 (2-4)	HA-13 (6-8)	HA-13 (10-12)	HA-13 (14-16)	HA-14 (2-4)
				02/09/2023	02/13/2023	02/13/2023	02/13/2023	02/13/2023	02/01/2023
				L2307196-16	L2307677-01	L2307677-02	L2307677-03	L2307677-04	L2305570-09
				L2310952-01	L2310952-02	L2310952-03	L2310952-04		
				14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)
General Chemistry									
Total Solids (%)	NA	NA	NA	83.5	89.3	87.8	75.6	62.5	87.6
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	7480	6250	7560	4960	4520	6320
Antimony	NA	NA	NA	0.726 J-	1.37 J	0.35 J	0.444 J	0.768 J	3.93 J
Arsenic	16	16	13	5.04	8.6	7.04	22.8	11	11.3
Barium	820	400	350	48.9	221 J-	104 J-	100 J-	166 J-	613
Beryllium	47	72	7.2	0.447 J	0.312 J	0.352 J	0.329 J	0.413 J	0.378 J
Cadmium	7.5	4.3	2.5	ND (0.909)	0.41 J	0.906	0.163 J	0.125 J	1.65
Calcium	NA	NA	NA	8350 J-	15800	6000	14400	4960	19100
Chromium	NA	NA	NA	12.8	26.1 J-	12.1 J-	14.8 J-	10.4 J-	25.7
Cobalt	NA	NA	NA	6.21	5.62	4.77	5.99	6.48	7.97
Copper	1720	270	50	22.4	57.7 J-	32.1 J-	54.7 J-	28.3 J-	87.1
Iron	NA	NA	NA	14300 J-	13100	19200	19200	11200	20200
Lead	450	400	63	59.8	379	766	286	109	1020
Magnesium	NA	NA	NA	2290	3310 J-	2410 J-	1580 J-	602 J-	6070
Manganese	2000	2000	1600	342 J-	353	220	178	83.4	317
Mercury	0.73	0.81	0.18	0.087	2.36 J-	1.43 J-	1.3 J-	0.876 J-	0.886
Nickel	130	310	30	22.3	27.4	15.7	16.8	16.1	74
Potassium	NA	NA	NA	1010	948	666	893	460	1010
Selenium	4	180	3.9	ND (1.82)	ND (1.74)	ND (1.78)	1.86 J	ND (2.5)	0.627 J
Silver	8.3	180	2	ND (0.455)	0.247 J	0.696	0.804	0.5 J	0.587
Sodium	NA	NA	NA	109 J	196	94.8 J	162 J	237 J	268
Thallium	NA	NA	NA	ND (1.82)	0.509 J	0.311 J	0.406 J	ND (2.5)	ND (1.73)
Vanadium	NA	NA	NA	19.7	20.6	17.2	16.4	23.8	40.1
Zinc	2480	10000	109	47.6	320	735	294	41.6	635

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556 BALTIC STREET
BROOKLYN, NEW YORK

PAGE 87 OF 92

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level								
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-14	HA-14	HA-14	HA-15	HA-15	HA-15
				HA-14 (6-8)	HA-14 (10-12)	HA-14 (14-16)	HA-15 (2-4)	HA-15 (6-8)	HA-15 (10-12)
				02/01/2023	02/01/2023	02/01/2023	02/01/2023	02/01/2023	02/01/2023
				L2305570-10	L2305570-11	L2305570-12	L2305570-13	L2305570-14	L2305570-15
				6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)
General Chemistry									
Total Solids (%)	NA	NA	NA	85.7	89.6	64.2	93	90.2	73.3
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	7720	10900	4730	5530	5680	2540
Antimony	NA	NA	NA	0.503 J	ND (4.24)	0.639 J	0.918 J	ND (4.22)	ND (5.16)
Arsenic	16	16	13	5.42	3.02	28.6	5.75	4.6	6.18
Barium	820	400	350	46.3	61.8	176	189	56.3	642
Beryllium	47	72	7.2	0.437 J	0.797	0.47 J	0.331 J	0.352 J	0.3 J
Cadmium	7.5	4.3	2.5	ND (0.884)	ND (0.849)	0.17 J	0.273 J	ND (0.844)	0.893 J
Calcium	NA	NA	NA	2350	1100	14800	22200	2820	2230
Chromium	NA	NA	NA	14.9	22.6	8.7	13.1	12	5.65
Cobalt	NA	NA	NA	6.61	7.81	5.15	4.97	6.54	3.64
Copper	1720	270	50	15.8	23.2	184	43.5	20.6	41.9
Iron	NA	NA	NA	20500	15700	13600	11800	11000	6210
Lead	450	400	63	65	20	574	228	125	1570
Magnesium	NA	NA	NA	2920	5110	828	2850	3350	259
Manganese	2000	2000	1600	282	214	164	212	250	56.8
Mercury	0.73	0.81	0.18	0.214	1.23	ND (0.104)	0.573	0.334	7.21
Nickel	130	310	30	18.3	26.5	13.1	25.5	34.1	10.4
Potassium	NA	NA	NA	790	3410	486	921	779	354
Selenium	4	180	3.9	ND (1.77)	ND (1.7)	2.76	0.293 J	ND (1.69)	0.948 J
Silver	8.3	180	2	ND (0.442)	ND (0.424)	ND (0.597)	ND (0.406)	ND (0.422)	ND (0.516)
Sodium	NA	NA	NA	349	118 J	395	907	90.9 J	137 J
Thallium	NA	NA	NA	ND (1.77)	ND (1.7)	ND (2.39)	ND (1.62)	ND (1.69)	ND (2.06)
Vanadium	NA	NA	NA	22.9	38.9	27.9	18.1	20.4	14.9
Zinc	2480	10000	109	48.5	52.2	110	166	53.4	2120

ABBREVIATIONS AND NOTES:

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TABLE 2f

REMEDIAL INVESTIGATION - METALS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET
BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level								
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-15	HA-16	HA-16	HA-16	HA-16	HA-17
				HA-15 (14-16)	HA-16 (2-4)	HA-16 (6-8)	HA-16 (10-12)	HA-16 (14-16)	HA-17 (2-4)
				02/01/2023	02/01/2023	02/01/2023	02/01/2023	02/01/2023	02/08/2023
				L2305570-16	L2305570-17	L2305570-18	L2305570-19	L2305570-20	L2306883-13 L2310952-36
			14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	
General Chemistry									
Total Solids (%)	NA	NA	NA	74.9	91.5	88.1	88.8	89.3	85.4
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	3820	3940	10300	8500	6320	5550
Antimony	NA	NA	NA	0.628 J	0.547 J	1.47 J	1.29 J	0.778 J	ND (4.44)
Arsenic	16	16	13	8.36	4.56	2.82	5.07	5.81	7.03
Barium	820	400	350	109	121	93	41.6	52.5	140
Beryllium	47	72	7.2	0.323 J	0.198 J	0.386 J	0.4 J	0.33 J	0.329 J
Cadmium	7.5	4.3	2.5	ND (1.02)	0.205 J	ND (0.859)	ND (0.858)	ND (0.846)	0.374 J
Calcium	NA	NA	NA	2540	26500	15200	1550	1430	6250
Chromium	NA	NA	NA	6.86	7.54	20.5	13.4	13	14
Cobalt	NA	NA	NA	6.35	2.85	10.3	5.12	7	4.23
Copper	1720	270	50	26.2	14.3	30.5	14.9	16.2	55.6
Iron	NA	NA	NA	9230	6380	17500	16200	11900	10800
Lead	450	400	63	134	112	49.4	89.5	75	314
Magnesium	NA	NA	NA	218	2140	6920	1980	1860	1750
Manganese	2000	2000	1600	42.1	138	209	274	113	197
Mercury	0.73	0.81	0.18	0.661	0.2	0.142	0.059 J	0.171	0.714
Nickel	130	310	30	16	11.4	36.4	11.3	29.4	16.9
Potassium	NA	NA	NA	455	586	5800	590	547	743
Selenium	4	180	3.9	0.597 J	ND (1.64)	ND (1.72)	0.461 J	ND (1.69)	0.375 J
Silver	8.3	180	2	ND (0.511)	ND (0.411)	ND (0.429)	ND (0.429)	ND (0.423)	ND (0.444)
Sodium	NA	NA	NA	171 J	130 J	260	170 J	172	451
Thallium	NA	NA	NA	ND (2.04)	ND (1.64)	0.717 J	ND (1.72)	ND (1.69)	ND (1.78)
Vanadium	NA	NA	NA	22.5	19	32.4	20.9	19.7	18.5
Zinc	2480	10000	109	336	89	69.5	55.1	38.8	178

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TABLE 2f

REMEDIAL INVESTIGATION - METALS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET
BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-17	HA-17	HA-17	HA-18	HA-18	HA-18
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-17 (6-8)	HA-17 (10-12)	HA-17 (14-16)	HA-18 (2-4)	HA-18 (6-8)	HA-18 (10-12)
				02/08/2023	02/08/2023	02/08/2023	02/13/2023	02/13/2023	02/13/2023
				L2306883-14	L2306883-15	L2306883-16 L2310952-37	L2307677-05 L2310952-05	L2307677-06 L2310952-06	L2307677-07 L2310952-07
				6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)
General Chemistry									
Total Solids (%)	NA	NA	NA	80.9	78.8	80	85.4	85.2	75.7
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	7690	10500	6580	4650	7080	3510
Antimony	NA	NA	NA	ND (4.69)	ND (4.82)	ND (4.76)	2.07 J	0.739 J	1.23 J
Arsenic	16	16	13	2.29	3.25	4.64	11.7	7.34	17
Barium	820	400	350	43.3	50.8	55.1	222 J-	188 J-	222 J-
Beryllium	47	72	7.2	0.432 J	0.388 J	0.385 J	0.348 J	0.328 J	0.269 J
Cadmium	7.5	4.3	2.5	0.208 J	0.172 J	0.154 J	1.26	0.511 J	ND (1.02)
Calcium	NA	NA	NA	1130	878	2500	11800	12300	4240
Chromium	NA	NA	NA	19	16.7	14.5	16.4 J-	16 J-	18.6 J-
Cobalt	NA	NA	NA	6.79	5.1	5.65	5.35	4.66	3.05 J
Copper	1720	270	50	19.5	13.3	23.3	76.7 J-	58.6 J-	324 J-
Iron	NA	NA	NA	14000	13200	13800	13100	12100	8260
Lead	450	400	63	21.2	11.9	188	997	228	518
Magnesium	NA	NA	NA	2710	1990	2540	2540 J-	3340 J-	355 J-
Manganese	2000	2000	1600	502	130	265	191	197	40.7
Mercury	0.73	0.81	0.18	0.1	ND (0.081)	0.276	0.769 J-	0.376 J-	11.7 J-
Nickel	130	310	30	33.7	15.8	29	19.6	17.2	ND (7.39)
Potassium	NA	NA	NA	993	608	863	665	1060	543
Selenium	4	180	3.9	ND (1.88)	ND (1.93)	ND (1.9)	ND (1.76)	ND (1.78)	2.06
Silver	8.3	180	2	0.29 J	ND (0.482)	ND (0.476)	ND (0.44)	ND (0.444)	5.3 J
Sodium	NA	NA	NA	218	302	281	188	488	441
Thallium	NA	NA	NA	ND (1.88)	ND (1.93)	ND (1.9)	0.299 J	ND (1.78)	ND (2.04)
Vanadium	NA	NA	NA	23.6	23.6	22.6	26.7	26.4	19.9
Zinc	2480	10000	109	37.2	23.9	43.7	396	211	64.1 J

ABBREVIATIONS AND NOTES:

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TABLE 2f

REMEDIAL INVESTIGATION - METALS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET
BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-18 DUP_1_02132023 02/13/2023 L2307677-09 L2310952-09 10 - 12 (ft)	HA-18 HA-18 (14-16) 02/13/2023 L2307677-08 L2310952-08 14 - 16 (ft)	HA-19 HA-19 (2-4) 02/08/2023 L2306883-17 L2310952-38 2 - 4 (ft)	HA-19 HA-19 (6-8) 02/08/2023 L2306883-18 L2310952-39 6 - 8 (ft)	HA-19 HA-19 (10-12) 02/08/2023 L2306883-19 L2310952-40 10 - 12 (ft)	HA-19 DUP_1_02082023 02/08/2023 L2306883-27 L2310952-46 10 - 12 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives						
General Chemistry									
Total Solids (%)	NA	NA	NA	90	81.1	77.2	84.8	81.5	86.5
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	4840	4950	5960	4070	4270	2980
Antimony	NA	NA	NA	0.688 J	ND (4.74)	ND (4.91)	ND (4.48)	1.32 J	1.01 J
Arsenic	16	16	13	19.3	8.17	7.95	6.96	15.3	15.4
Barium	820	400	350	300 J-	83 J-	207	92.5	105	149
Beryllium	47	72	7.2	0.347 J	0.346 J	0.361 J	0.234 J	0.403 J	0.311 J
Cadmium	7.5	4.3	2.5	ND (0.835)	ND (0.948)	1.06	0.747 J	0.152 J	0.402 J
Calcium	NA	NA	NA	6430	2670	12800	19700	12800 J	6080 J
Chromium	NA	NA	NA	13.9 J-	10.4 J-	15.8	12.4	19.9 J	6.89 J
Cobalt	NA	NA	NA	8.36 J	5.67	4.89	3.29	4.98	4.22
Copper	1720	270	50	475 J-	24.8 J-	65.1	31.6	24	22.6
Iron	NA	NA	NA	10900	10300	12300	8750	15700 J	8890 J
Lead	450	400	63	1220	142	578	259	602 J	1010 J
Magnesium	NA	NA	NA	549 J-	1490 J-	2470	4420	552	384
Manganese	2000	2000	1600	52.8	134	196	161	63.7	87
Mercury	0.73	0.81	0.18	5.28 J-	0.638 J-	0.476	0.343	15.4	0.858
Nickel	130	310	30	ND (12)	16.5	20.6	12.5	13.6	10.8
Potassium	NA	NA	NA	628	619	940	651	446	287
Selenium	4	180	3.9	0.995 J	ND (1.9)	0.387 J	0.313 J	1.36 J	3.47
Silver	8.3	180	2	1.43 J	0.451 J	0.484 J	0.306 J	0.477	ND (0.454)
Sodium	NA	NA	NA	535	157 J	365	291	561	268
Thallium	NA	NA	NA	ND (1.67)	ND (1.9)	ND (1.96)	ND (1.79)	ND (1.87)	ND (1.81)
Vanadium	NA	NA	NA	22.1	20.2	24.9	16.9	21.8	21.7
Zinc	2480	10000	109	160 J	49.3	247	1100	184	217

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TABLE 2f

REMEDIAL INVESTIGATION - METALS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET
BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level								
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives	HA-19	HA-19	HA-20	HA-20	HA-20	HA-20
				HA-19 (14-16)	HA-19 (20-22)	HA-20 (2-4)	HA-20 (6-8)	HA-20 (10-12)	HA-20 (14-16)
				02/08/2023	02/08/2023	02/10/2023	02/10/2023	02/10/2023	02/10/2023
				L2306883-20 L2310952-41	L2306883-21	L2307511-05 L2310952-24	L2307511-06 L2310952-25	L2307511-07 L2310952-26	L2307511-08
			14 - 16 (ft)	20 - 22 (ft)	2 - 4 (ft)	6 - 8 (ft)	10 - 12 (ft)	14 - 16 (ft)	
General Chemistry									
Total Solids (%)	NA	NA	NA	82.2	86.7	79.6	73.7	74.3	58.5
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	3440	9660	4820	5780	7420	9110
Antimony	NA	NA	NA	1.16 J	0.474 J	1.93 J	ND (5.1)	2.88 J	ND (6.48)
Arsenic	16	16	13	14.1	3.42	12.5	15	5.64	13.7
Barium	820	400	350	124	48.3	136	163	67.6	69.5
Beryllium	47	72	7.2	0.362 J	0.48	0.254 J	0.548	0.428 J	0.397 J
Cadmium	7.5	4.3	2.5	0.136 J	ND (0.876)	0.824 J	0.187 J	0.222 J	0.172 J
Calcium	NA	NA	NA	8760	2300	11100	4610	7250	23800
Chromium	NA	NA	NA	8.48	18.6	13.6	11.4	19.1	14.7
Cobalt	NA	NA	NA	3.68	7.54	4.91	7.2	8.35	9.38
Copper	1720	270	50	28	17.3	52.2	31.3	23.2	17.6
Iron	NA	NA	NA	8800	16400	13600	11000	15500	22300
Lead	450	400	63	677	34.2	335	476	1120	91.8
Magnesium	NA	NA	NA	609	2990	2010	854	2420	2830
Manganese	2000	2000	1600	76.6	350	314	103	519	426
Mercury	0.73	0.81	0.18	1.51	ND (0.077)	0.139	0.142	0.338	1.11
Nickel	130	310	30	9.95	31.4	19.5	18	24.4	19
Potassium	NA	NA	NA	608	1230	666	610	893	1000
Selenium	4	180	3.9	2.36	ND (1.75)	0.522 J	0.635 J	0.915 J	0.715 J
Silver	8.3	180	2	4.34	ND (0.438)	ND (0.477)	ND (0.51)	ND (0.508)	ND (0.648)
Sodium	NA	NA	NA	250	191	284	248	59 J	172 J
Thallium	NA	NA	NA	ND (1.91)	ND (1.75)	0.334 J	ND (2.04)	0.561 J	ND (2.59)
Vanadium	NA	NA	NA	17.6	25.8	21.4	30.7	20.7	26.3
Zinc	2480	10000	109	3450	37.4	367	191	95.4	55.4

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TABLE 2f

REMEDIAL INVESTIGATION - METALS ANALYTICAL RESULTS IN SOIL

556 BALTIC STREET
BROOKLYN, NEW YORK

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Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level			HA-21 HA-21 (2-4) 02/08/2023 L2306883-22 L2310952-47 2 - 4 (ft)	HA-21 HA-21 (6-8) 02/08/2023 L2306883-23 L2310952-42 6 - 8 (ft)	HA-21 HA-21 (10-12) 02/08/2023 L2306883-24 L2310952-43 10 - 12 (ft)	HA-21 HA-21 (14-16) 02/08/2023 L2306883-25 L2310952-44 14 - 16 (ft)	HA-21 HA-21 (20-22) 02/08/2023 L2306883-26 L2310952-45 20 - 22 (ft)
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Residential Use Soil Cleanup Objectives	Unrestricted Use Soil Cleanup Objectives					
General Chemistry								
Total Solids (%)	NA	NA	NA	84.2	85.3	84.7	79.5	71.7
Total Metals (mg/kg)								
Aluminum	NA	NA	NA	5370	5260	2780	3920	12700
Antimony	NA	NA	NA	2.99 J	1.69 J	0.563 J	0.941 J	1.08 J
Arsenic	16	16	13	10.9	16.9	14.1	25.9	11.5
Barium	820	400	350	65.7	202	151	251	120
Beryllium	47	72	7.2	0.327 J	0.292 J	0.275 J	0.323 J	0.685
Cadmium	7.5	4.3	2.5	0.888 J	0.431 J	0.092 J	0.13 J	0.31 J
Calcium	NA	NA	NA	7350	4090	7160	7150	5860
Chromium	NA	NA	NA	16.9	188	6.31	9.42	21.2
Cobalt	NA	NA	NA	5.2	4.88	3.18	3.83	10.5
Copper	1720	270	50	94.3	64.4	24	43.8	29.4
Iron	NA	NA	NA	18700	13800	7770	8160	20400
Lead	450	400	63	305	1760	299	520	486
Magnesium	NA	NA	NA	2210	1680	384	941	3260
Manganese	2000	2000	1600	273	141	98.2	129	384
Mercury	0.73	0.81	0.18	0.228	0.905	0.665	1.32	5.12
Nickel	130	310	30	31.1	33.7	7.63	9.17	26.7
Potassium	NA	NA	NA	557	548	279	827	1130
Selenium	4	180	3.9	0.313 J	6.31	1.17 J	1.79 J	0.511 J
Silver	8.3	180	2	ND (0.469)	0.848	ND (0.461)	0.334 J	ND (0.524)
Sodium	NA	NA	NA	486	155 J	200	388	422
Thallium	NA	NA	NA	ND (1.88)	ND (1.83)	ND (1.84)	ND (2.01)	ND (2.09)
Vanadium	NA	NA	NA	28.2	19.3	16.4	17.2	32
Zinc	2480	10000	109	210	321	166	157	86.1

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TABLE 3
REMEDIAL INVESTIGATION - DELINEATION SOIL SAMPLING ANALYTICAL RESULTS
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level											
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Restricted Residential Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria	HA-24 HA-24 (0-2) 02/02/2023 L2305935-01 0 - 2 (ft)	HA-24 HA-24 (2-4) 02/02/2023 L2305935-02 2 - 4 (ft)	HA-24 HA-24 (4-6) 02/02/2023 L2305935-03 4 - 6 (ft)	DB-01 DB-01 (0-2) 02/02/2023 L2325105-01 0 - 2 (ft)	DB-01 DB-01 (2-4) 02/02/2023 L2325105-02 2 - 4 (ft)	DB-01 DB-01 (4-6) 02/02/2023 L2325105-03 4 - 6 (ft)	DB-02 DB-02 (0-2) 02/02/2023 L2325105-04 0 - 2 (ft)	
	Total Metals (mg/kg)											
	Lead	450	400	63	NA	33.7	31.3	397	137	91.2	178	584
	Mercury	0.73	0.81	0.18	NA	-	-	-	-	-	-	-
TCLP Inorganic Compounds (mg/L)												
Lead	NA	NA	NA	5	0.17 J	ND (0.5)	0.0572 J	0.098 J	0.154 J	0.045 J	1.51	
Mercury	NA	NA	NA	0.2	-	-	-	-	-	-	-	

ABBREVIATIONS AND NOTES:
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mg/L = milligrams per Liter
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bgs: below ground surface
CVOs: Chlorinated volatile organic compounds
ft: feet
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- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted-Use Residential SCOs, and Protection of Groundwater SCO's.
TCLP Metals analytical results were compared to the EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria
- ***Bold italic*** values indicate an exceedance of the Protection of Groundwater Criteria.
- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.
- Yellow shading indicates an exceedance of the Restricted Residential Use Soil Cleanup Objectives.

TABLE 3
REMEDIAL INVESTIGATION - DELINEATION SOIL SAMPLING ANALYTICAL RESULTS
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level											
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Restricted Residential Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria	DB-02 DB-02 (2-4) 02/02/2023 L2325105-05 2 - 4 (ft)	DB-02 DB-02 (4-6) 02/02/2023 L2325105-06 4 - 6 (ft)	DB-03 DB-03 (0-2) 02/02/2023 L2325105-07 0 - 2 (ft)	DB-03 DB-03 (2-4) 02/02/2023 L2325105-08 2 - 4 (ft)	DB-03 DB-03 (4-6) 02/02/2023 L2325105-09 4 - 6 (ft)	HA-25 HA-25 (10-12) 02/02/2023 L2305935-04 10 - 12 (ft)	HA-25 HA-25 (12-14) 02/02/2023 L2305935-05 12 - 14 (ft)	
	Total Metals (mg/kg)											
	Lead	450	400	63	NA	11.3	143	211	283	37.2	-	-
	Mercury	0.73	0.81	0.18	NA	-	-	-	-	-	0.337	0.508
TCLP Inorganic Compounds (mg/L)												
Lead	NA	NA	NA	5	0.114 J	0.0467 J	0.0441 J	0.325 J	0.146 J	-	-	
Mercury	NA	NA	NA	0.2	-	-	-	-	-	ND (0.001)	ND (0.001)	

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TABLE 3
REMEDIAL INVESTIGATION - DELINEATION SOIL SAMPLING ANALYTICAL RESULTS
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level				HA-25	DB-04	DB-04	DB-04	DB-05	DB-05	DB-05
	Restricted Use Soil	NY Part 375	NY Part 375	EPA Toxicity	HA-25 (14-16)	DB-04 (10-12)	DB-04 (12-14)	DB-04 (14-16)	DB-05 (10-12)	DB-05 (12-14)	DB-05 (14-16)
	Cleanup Objectives -	Restricted Residential	Unrestricted Use	Characteristic (TCLP)	02/02/2023	02/02/2023	02/02/2023	02/02/2023	02/02/2023	02/02/2023	02/02/2023
	Protection of	Use	Soil Cleanup Objectives	Regulatory Levels	L2305935-06	L2325105-10	L2325105-11	L2325105-12	L2325105-13	L2325105-14	L2325105-15
	Groundwater	Soil Cleanup Objectives	Soil Cleanup Objectives	Criteria	14 - 16 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)	10 - 12 (ft)	12 - 14 (ft)	14 - 16 (ft)
Total Metals (mg/kg)											
Lead	450	400	63	NA	-	-	-	-	-	-	-
Mercury	0.73	0.81	0.18	NA	1.07	0.737 J+	1.55 J-	1.09 J-	1.53 J-	1.17 J-	0.733 J-
TCLP Inorganic Compounds (mg/L)											
Lead	NA	NA	NA	5	-	-	-	-	-	-	-
Mercury	NA	NA	NA	0.2	ND (0.001)	ND (0.001) J	ND (0.001) J	ND (0.001) J	ND (0.001) J	ND (0.001) J	ND (0.001) J

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TABLE 3
REMEDIAL INVESTIGATION - DELINEATION SOIL SAMPLING ANALYTICAL RESULTS
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level										
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Restricted Residential Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria	DB-06 DB-06 (10-12) 02/09/2023 L2325105-16 10 - 12 (ft)	DB-06 DB-06 (12-14) 02/09/2023 L2325105-17 12 - 14 (ft)	DB-06 DB-06 (14-16) 02/09/2023 L2325105-18 14 - 16 (ft)	HA-26 HA-26 (11-13) 02/10/2023 L2307512-01 11 - 13 (ft)	HA-26 DUP-1_02102023 02/10/2023 L2307512-04 11 - 13 (ft)	HA-26 HA-26 (13-15) 02/10/2023 L2307512-02 13 - 15 (ft)	HA-26 DUP-2_02102023 02/10/2023 L2307512-05 13 - 15 (ft)
	Total Metals (mg/kg)										
	Lead	450	400	63	NA	-	-	-	-	-	-
	Mercury	0.73	0.81	0.18	NA	1.02 J-	0.867 J-	10.1 J+	0.502 J+	7.1 J+	1.84 J+
TCLP Inorganic Compounds (mg/L)											
Lead	NA	NA	NA	5	-	-	-	-	-	-	-
Mercury	NA	NA	NA	0.2	ND (0.001) J	ND (0.001) J	ND (0.001) J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

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TABLE 3
REMEDIAL INVESTIGATION - DELINEATION SOIL SAMPLING ANALYTICAL RESULTS
556 BALTIC STREET
BROOKLYN, NEW YORK

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level											
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	NY Part 375 Restricted Residential Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives	EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria	HA-26 HA-26 (15-17) 02/10/2023 L2307512-03 15 - 17 (ft)	DB-07 DB-07 (11-13) 06/02/2023 L2330932-01 11 - 13 (ft)	DB-07 DB-07 (13-15) 06/02/2023 L2330932-02 13 - 15 (ft)	DB-07 DB-07 (15-17) 06/02/2023 L2330932-03 15 - 17 (ft)	DB-09 DB-09 (11-13) 06/02/2023 L2330932-04 11 - 13 (ft)	DB-09 DB-09 (13-15) 06/02/2023 L2330932-05 13 - 15 (ft)	DB-09 DB-09 (15-17) 06/02/2023 L2330932-06 15 - 17 (ft)	
	Total Metals (mg/kg)											
	Lead	450	400	63	NA	-	-	-	-	-	-	-
	Mercury	0.73	0.81	0.18	NA	0.352 J+	0.2	3	1.88	35.3	12.1	1.08
TCLP Inorganic Compounds (mg/L)												
Lead	NA	NA	NA	5	-	-	-	-	-	-	-	
Mercury	NA	NA	NA	0.2	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	

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TABLE 4a
REMEDIAL INVESTIGATION - VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS IN GROUNDWATER

556 BALTIC STREET
BROOKLYN, NEW YORK

Sample Name Sample Date Lab Sample ID	Action Level		New York TOGS 111									
	Ambient Water Quality Standards		MW-01 02/16/2023 L2308425-01	MW-02 02/10/2023 L2307510-04	MW-03 02/16/2023 L2308425-02	MW-04 02/10/2023 L2307510-03	MW-05 02/10/2023 L2307510-02	MW-06 02/09/2023 L2307194-01	DUP-1_02092023 02/09/2023 L2307194-02	MW-07 02/16/2023 L2308425-03	MW-08 02/10/2023 L2307510-01	MW-09 02/16/2023 L2308425-04
Volatile Organic Compounds (ug/L)												
1,1,1,2-Tetrachloroethane	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,1,1-Trichloroethane	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,1,2,2-Tetrachloroethane	5		ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	1		ND (1.5)	ND (3)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)
1,1-Dichloroethane	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,1-Dichloroethene	5		ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloropropene	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2,3-Trichlorobenzene	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2,3-Trichloropropane	0.04		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2,4,5-Tetramethylbenzene	5		ND (2)	63	9.8	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
1,2,4-Trichlorobenzene	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2,4-Trimethylbenzene	5		ND (2.5)	2.9 J	33	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dibromo-3-chloropropane (DBCP)	0.04		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dibromoethane (Ethylene Dibromide)	0.0006		ND (2)	ND (4)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
1,2-Dichlorobenzene	3		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dichloroethane	0.6		ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethene (total)	NA		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	5.3	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dichloropropane	1		ND (1)	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,3,5-Trimethylbenzene	5		ND (2.5)	2 J	13	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,3-Dichlorobenzene	3		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,3-Dichloropropane	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,3-Dichloropropene	0.4		ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,4-Dichlorobenzene	3		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,4-Diethylbenzene	NA		ND (2)	23	18	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
1,4-Dioxane	NA		ND (250)	ND (500)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)
2,2-Dichloropropane	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
2-Butanone (Methyl Ethyl Ketone)	50		ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Chlorotoluene	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
2-Hexanone (Methyl Butyl Ketone)	50		ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Phenylbutane (sec-Butylbenzene)	5		ND (2.5)	22	1.7 J	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
4-Chlorotoluene	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA		ND (2)	4.2	18	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA		ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acetone	50		1.6 J	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acrylonitrile	5		ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzene	1		0.21 J	170	0.41 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromobenzene	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Bromodichloromethane	50		ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	50		ND (2)	ND (4)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Bromomethane (Methyl Bromide)	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Carbon disulfide	60		ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Carbon tetrachloride	5		ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Chlorobromomethane	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Chloroethane	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Chloroform (Trichloromethane)	7		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Chloromethane (Methyl Chloride)	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5) J	ND (2.5) J	ND (2.5)	ND (2.5)	ND (2.5)
cis-1,2-Dichloroethene	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	5.3	ND (2.5)	ND (2.5)
cis-1,3-Dichloropropene	0.4		ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Cymene (p-Isopropyltoluene)	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Dibromochloromethane	50		ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromomethane	5		ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dichlorodifluoromethane (CFC-12)	5		ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Ethyl Ether	NA		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Ethylbenzene	5		ND (2.5)	19	15	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Hexachlorobutadiene	0.5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Isopropylbenzene (Cumene)	5		ND (2.5)	140	4.2	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
m,p-Xylenes	5		ND (2.5)	12	13	ND (2.5)	ND (2.5)	1.1 J	1.1 J	ND (2.5)	ND (2.5)	ND (2.5)
Methyl Tert Butyl Ether (MTBE)	10		2.4 J	12	ND (2.5)	2.6	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Methylene chloride (Dichloromethane)	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Naphthalene	10		ND (2.5)	13	7.4	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
n-Butylbenzene	5		ND (2.5)	19	6.8	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
n-Propylbenzene	5		ND (2.5)	220	14	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
o-Xylene	5		ND (2.5)	2.9 J	1.2 J	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Styrene	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
tert-Butylbenzene	5		ND (2.5)	1.4 J	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Tetrachloroethene	5		ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.31 J	
Toluene	5		ND (2.5)	4.3 J	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
trans-1,2-Dichloroethene	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
trans-1,3-Dichloropropene	0.4		ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,4-Dichloro-2-butene	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5) J	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Trichloroethene	5		ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichlorofluoromethane (CFC-11)	5		ND (2.5)	ND (5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Vinyl acetate	NA		ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Vinyl chloride	2		ND (1)	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0.48 J	ND (1)	0.08 J
Xylene (Total)	5		ND (2.5)	15 J	14 J	ND (2.5)	ND (2.5)	1.1 J	1.1 J	ND (2.5)	ND (2.5)	ND (2.5)

ABBREVIATIONS AND NOTES:

µg/L: micrograms per liter

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Water analytical results are compared to the New York State Department of Environmental

 New York TOGS 111 Ambient Water Quality Standards (AWQS)

- Bold indicates an exceedance of AWQS criteria.

Sample Name Sample Date Lab Sample ID	Action Level	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	DUP-1_02092023	MW-07	MW-08	MW-09
	New York TOGS 111	02/16/2023	02/10/2023	02/16/2023	02/10/2023	02/10/2023	02/09/2023	02/09/2023	02/16/2023	02/10/2023	02/16/2023
	Ambient Water Quality Standards	L2308425-01	L2307510-04	L2308425-02	L2307510-03	L2307510-02	L2307194-01	L2307194-02	L2308425-03	L2307510-01	L2308425-04
Semi-Volatile Organic Compounds (ug/L)											
1,2,4,5-Tetrachlorobenzene	5	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2,4-Trichlorobenzene	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichlorobenzene	3	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
1,3-Dichlorobenzene	3	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
1,4-Dichlorobenzene	3	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
2,2'-oxybis(1-Chloropropane)	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
2,4,5-Trichlorophenol	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4,6-Trichlorophenol	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dichlorophenol	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dimethylphenol	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dinitrophenol	10	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2,4-Dinitrotoluene	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,6-Dinitrotoluene	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Chlorophenol	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
2-Methylphenol (o-Cresol)	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Nitroaniline	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Nitrophenol	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
3&4-Methylphenol	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
3,3'-Dichlorobenzidine	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)
3-Nitroaniline	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4,6-Dinitro-2-methylphenol	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
4-Chloro-3-methylphenol	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
4-Chloroaniline	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Chlorophenyl phenyl ether	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
4-Nitroaniline	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Nitrophenol	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Acetophenone	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzoic acid	NA	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	6.6 J	ND (50)	ND (50)
Benzyl Alcohol	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Biphenyl	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
bis(2-Chloroethoxy)methane	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
bis(2-Chloroethyl)ether	1	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
bis(2-Ethylhexyl)phthalate	5	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)
Butyl benzylphthalate (BBP)	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Carbazole	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Dibenzofuran	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Diethyl phthalate	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dimethyl phthalate	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Di-n-butylphthalate (DBP)	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Di-n-octyl phthalate (DnOP)	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Hexachlorocyclopentadiene	5	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Isophorone	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Nitrobenzene	0.4	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
N-Nitrosodi-n-propylamine	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
N-Nitrosodiphenylamine	50	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Phenol	1	ND (5)	1.5 J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Semi-Volatile Organic Compounds (SIM) (ug/L)											
2-Chloronaphthalene	10	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
2-Methylnaphthalene	NA	0.06 J	3.1	3.6	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Acenaphthene	20	1.4	0.36	0.25	ND (0.1)	0.05 J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Acenaphthylene	NA	ND (0.1)	0.03 J	ND (0.1)	ND (0.1)	0.02 J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Anthracene	50	0.03 J	0.08 J	0.12	ND (0.1)	0.04 J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.02 J
Benzo(a)anthracene	0.002	ND (0.1)	ND (0.1)	0.14	ND (0.1)	0.14 J+	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.03 J
Benzo(a)pyrene	0	ND (0.1)	ND (0.1)	0.13	ND (0.1)	0.12 J+	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.02 J
Benzo(b)fluoranthene	0.002	0.01 J	ND (0.1)	0.15	ND (0.1)	0.16 J+	ND (0.1)	ND (0.1)	ND (0.1)	0.1 J+	0.02 J
Benzo(g,h,i)perylene	NA	ND (0.1)	ND (0.1)	0.07 J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(k)fluoranthene	0.002	ND (0.1)	ND (0.1)	0.05 J	ND (0.1)	0.05 J	ND (0.1)	ND (0.1)	ND (0.1)	0.04 J	0.01 J
Chrysene	0.002	ND (0.1)	ND (0.1)	0.13	ND (0.1)	0.11	ND (0.1)	ND (0.1)	ND (0.1)	0.08 J	0.01 J
Dibenz(a,h)anthracene	NA	ND (0.1)	ND (0.1)	0.02 J	ND (0.1)	0.02 J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Fluoranthene	50	0.05 J	0.08 J	0.35	ND (0.1)	0.31	ND (0.1)	ND (0.1)	ND (0.1)	0.07 J	0.06 J
Fluorene	50	0.16	0.22	0.13	ND (0.1)	0.02 J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Hexachlorobenzene	0.04	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
Hexachlorobutadiene	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Hexachloroethane	5	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
Indeno(1,2,3-cd)pyrene	0.002	ND (0.1)	ND (0.1)	0.08 J	ND (0.1)	0.08 J	ND (0.1)	ND (0.1)	ND (0.1)	0.05 J	ND (0.1)
Naphthalene	10	0.06 J	9.4 J+	3.5	ND (0.1)	ND (0.1)	0.09 J+	0.21 J+	ND (0.1)	ND (0.1)	ND (0.1)
Pentachlorophenol	1	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
Phenanthrene	50	0.08 J	0.38	0.49	ND (0.1)	0.16	ND (0.1)	ND (0.1)	ND (0.1)	0.03 J	ND (0.1)
Pyrene	50	0.04 J	0.06 J	0.3	ND (0.1)	0.26	ND (0.1)	ND (0.1)	ND (0.1)	0.06 J	0.05 J

ABBREVIATIONS AND NOTES:

µg/L: micrograms per liter

-: Not Analyzed

bgs: below ground surface

ft: feet

J: Value is estimated.

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Water analytical results are compared to the New York State Department of Environmental New York TOGS 111 Ambient Water Quality Standards (AWQS).

- Bold indicates an exceedance of AWQS criteria.

Sample Name Sample Date Sample Type Lab Sample ID	Action Level										
	New York TOGS 111	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	DUP-1_02092023	MW-07	MW-08	MW-09
	Ambient Water Quality	02/16/2023	02/10/2023	02/16/2023	02/10/2023	02/10/2023	02/09/2023	02/09/2023	02/16/2023	02/10/2023	02/16/2023
	Standards	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate	Primary	Primary	Primary
		L2308425-01	L2307510-04	L2308425-02	L2307510-03	L2307510-02	L2307194-01	L2307194-02	L2308425-03	L2307510-01	L2308425-04
PCBs (ug/L)											
Aroclor-1016 (PCB-1016)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Aroclor-1221 (PCB-1221)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Aroclor-1232 (PCB-1232)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Aroclor-1242 (PCB-1242)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Aroclor-1248 (PCB-1248)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Aroclor-1254 (PCB-1254)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Aroclor-1260 (PCB-1260)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Aroclor-1262 (PCB-1262)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Aroclor-1268 (PCB-1268)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
SUM of PCBs	0.09	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)

ABBREVIATIONS AND NOTES:

- µg/L: micrograms per liter
- : Not Analyzed
- bgs: below ground surface
- ft: feet
- NA: Not Applicable
- ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
- For test methods used, see the laboratory data sheets.
- Water analytical results are compared to the New York State Department of Environmental New York TOGS 111 Ambient Water Quality Standards (AWQS).
- Bold indicates an exceedance AWQS criteria.

	Action Level											
	Sample Name	New York TOGS 111	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	DUP-1_02092023	MW-07	MW-08	MW-09
	Sample Date	Ambient Water Quality	02/16/2023	02/10/2023	02/16/2023	02/10/2023	02/10/2023	02/09/2023	02/09/2023	02/16/2023	02/10/2023	02/16/2023
	Lab Sample ID	Standards	L2308425-01	L2307510-04	L2308425-02	L2307510-03	L2307510-02	L2307194-01	L2307194-02	L2308425-03	L2307510-01	L2308425-04
Pesticides (ug/L)												
4,4'-DDD	0.3	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)
4,4'-DDE	0.2	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)
4,4'-DDT	0.2	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)
Aldrin	0	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
alpha-BHC	0.01	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
alpha-Chlordane (cis)	NA	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
beta-BHC	0.04	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Chlordane	0.05	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)
delta-BHC	0.04	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Dieldrin	0.004	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)
Endosulfan I	NA	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Endosulfan II	NA	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)
Endosulfan sulfate	NA	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)
Endrin	0	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)
Endrin aldehyde	5	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)
Endrin ketone	5	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)
gamma-BHC (Lindane)	0.05	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
gamma-Chlordane (trans)	NA	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Heptachlor	0.04	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	0.003 J	ND (0.014)
Heptachlor epoxide	0.03	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Methoxychlor	35	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)
Toxaphene	0.06	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)	ND (0.143)

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- For test methods used, see the laboratory data sheets.

- Water analytical results are compared to the New York State Department of Environmental New York TOGS 111 Ambient Water Quality Standards (AWQS).

- Bold indicates an exceedance of AWQS criteria.

TABLE 4e
REMEDIAL INVESTIGATION - EMERGING CONTAMINANTS ANALYTICAL RESULTS IN GROUNDWATER
556 BALTIC STREET
BROOKLYN, NEW YORK

Sample Name Sample Date Lab Sample ID	Action Level		MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	DUP-1_02092023	MW-07	MW-08	MW-09
	New York TOGS 111	NYSDEC Part 375 PFAS										
	Ambient Water Quality Standards	and 1,4-Dioxane Guidance Values	02/16/2023 L2308425-01	02/10/2023 L2307510-04	02/16/2023 L2308425-02	02/10/2023 L2307510-03	02/10/2023 L2307510-02	02/09/2023 L2307194-01	02/09/2023 L2307194-02	02/16/2023 L2308425-03	02/10/2023 L2307510-01	02/16/2023 L2308425-04
Semi-Volatile Organic Compounds (SIM) (ug/L)												
1,4-Dioxane	NA	0.35	0.43	ND (0.139)	ND (0.147)	0.0703 J	ND (0.142)	0.664	0.655	0.101 J	1.23	ND (0.147)
PFAS (ng/L)												
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	ND (5.96)	ND (5.8)	ND (5.98)	ND (5.77)	ND (5.84)	ND (6.15)	ND (6.05)	ND (5.83)	ND (5.9)	ND (5.93)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	ND (5.96)	ND (5.8) J	ND (5.98)	ND (5.77)	ND (5.84)	ND (6.15)	ND (6.05)	ND (5.83)	ND (5.9) J	ND (5.93)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NetFOSAA)	NA	NA	ND (1.49) J	0.797 J	ND (1.49) J	ND (1.44)	ND (1.46)	2.77	2.27	ND (1.46)	ND (1.47)	ND (1.48)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	NA	ND (1.49) J	ND (1.45)	ND (1.49) J	ND (1.44)	ND (1.46)	ND (1.54)	ND (1.51)	ND (1.46) J	ND (1.47)	ND (1.48) J
Perfluorobutanesulfonic acid (PFBS)	NA	NA	10.3	7.25	11.3	6.06	3.58	2.46 J	2.72 J	1.75	ND (1.47)	3.04
Perfluorobutanoic acid (PFBA)	NA	NA	12.2	3.48 J	7.4	7.93	6.64	ND (6.15)	ND (6.05)	1.6 J	1.77 J	3.63 J
Perfluorodecanesulfonic acid (PFDS)	NA	NA	ND (1.49)	ND (1.45)	ND (1.49)	ND (1.44)	ND (1.46)	ND (1.54)	ND (1.51)	ND (1.46)	ND (1.47)	ND (1.48)
Perfluorodecanoic acid (PFDA)	NA	NA	ND (1.49)	1.09 J	1.05 J	1.37 J	ND (1.46)	1.77	1.97	0.655 J	0.958 J	ND (1.48)
Perfluorododecanoic acid (PFDoDA)	NA	NA	ND (1.49) J	ND (1.45)	ND (1.49) J	ND (1.44)	ND (1.46)	ND (1.54)	ND (1.51)	ND (1.46) J	ND (1.47)	ND (1.48) J
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	1.19 J	ND (1.45)	0.598 J	ND (1.44)	ND (1.46)	ND (1.54)	0.53 J	0.437 J	ND (1.47)	0.89 J
Perfluoroheptanoic acid (PFHpA)	NA	NA	10.2	5	7.77	4.97	6.42	1.31 J	1.21 J	0.947 J	2.21	6.6
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	8.26	4.35	6.95	3.96	5.55	1.84	1.59	1.46	2.06	6.38
Perfluorohexanoic acid (PFHxA)	NA	NA	20	8.04 J	9.72	8.15 J	7.15 J	1.08 J	1.29 J	1.82	3.46 J	7.56
Perfluorononanoic acid (PFNA)	NA	NA	2.38	3.04	3.06	4.32	7.15	1.54 J	2.65 J	0.874 J	0.811 J	5.34
Perfluorooctane sulfonamide (PFOSA)	NA	NA	ND (1.49) J	ND (1.45) J	ND (1.49) J	ND (1.44) J	ND (1.46) J	3.92	4.39	ND (1.46)	ND (1.47) J	ND (1.48) J
Perfluorooctanesulfonic acid (PFOS)	NA	2.7	25.1	57.3	35.1	61.2	108	63.6 J	71.2	19.9	14.2	28.9
Perfluorooctanoic acid (PFOA)	NA	6.7	61.5	25.7	67.5	25.7	41.1	8.22	9.3	3.57	10.9	51.2
Perfluoropentanoic acid (PFPeA)	NA	NA	23.3	7.18	11	10.1	11.4	1.84 J	1.29 J	2.11 J	2.8 J	7.78
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	ND (1.49) J	ND (1.45) J	ND (1.49) J	ND (1.44)	ND (1.46)	ND (1.54)	ND (1.51)	ND (1.46)	ND (1.47) J	ND (1.48)
Perfluorotridecanoic acid (PFTTrDA)	NA	NA	ND (1.49) J	ND (1.45)	ND (1.49) J	ND (1.44)	ND (1.46)	ND (1.54)	ND (1.51)	ND (1.46) J	ND (1.47)	ND (1.48) J
Perfluoroundecanoic acid (PFUnDA)	NA	NA	ND (1.49)	ND (1.45)	ND (1.49) J	ND (1.44)	ND (1.46)	ND (1.54)	ND (1.51)	ND (1.46)	ND (1.47)	ND (1.48)
US EPA PFAS (PFOS + PFOA)	NA	NA	86.6	83	103	86.9	149	71.8	80.5	23.5	25.1	80.1

ABBREVIATIONS AND NOTES:

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ft: feet

J: Value is estimated.

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

- Water analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Remedial Programs March 2023 Guidance on the Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) and 1,4-Dioxane and New York TOGS 111 Ambient Water Quality Standards (AWQS).

- Bold indicates an exceedance of NYSDEC GV or AWQS criteria.

Sample Name Sample Date Lab Sample ID	Action Level										
	New York TOGS 111	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	DUP-1_02092023	MW-07	MW-08	MW-09
	Ambient Water Quality	02/16/2023	02/10/2023	02/16/2023	02/10/2023	02/10/2023	02/09/2023	02/09/2023	02/16/2023	02/10/2023	02/16/2023
	Standards	L2308425-01	L2307510-04	L2308425-02	L2307510-03	L2307510-02	L2307194-01	L2307194-02	L2308425-03	L2307510-01	L2308425-04
Dissolved Metals (ug/L)											
Aluminum, Dissolved	NA	6.25 J	ND (10)	3.83 J	3.93 J	5.32 J	9.64 J	8.93 J	9.14 J	6.86 J	7.56 J
Antimony, Dissolved	3	ND (4)	0.68 J	ND (4)	ND (4)	ND (4)	0.43 J	ND (4)	1.16 J	ND (4)	ND (4)
Arsenic, Dissolved	25	0.9	4.53	0.41 J	0.67	1.34	3.41	3.31	3.32	1.41	2.67
Barium, Dissolved	1000	229.5	98.97	84.09	226.9	74.17	35.64	35.71	245.5	52.76	34.18
Beryllium, Dissolved	3	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Cadmium, Dissolved	5	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Calcium, Dissolved	NA	178000	100000 J+	123000	120000 J+	90700 J+	46600	44800	62400	43800 J+	43500
Chromium, Dissolved	50	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0.52 J
Cobalt, Dissolved	NA	0.51	0.33 J	0.36 J	ND (0.5)	0.27 J	ND (0.5)	ND (0.5)	1.75	ND (0.5)	0.28 J
Copper, Dissolved	200	ND (1)	ND (1)	0.39 J	1.45	0.4 J	0.7 J	ND (1)	0.73 J	ND (1)	ND (1)
Iron, Dissolved	300	271	1550	634	1560	304	96.1	80.8	802	195	24.1 J
Lead, Dissolved	25	ND (1)	0.34 J	0.56 J	ND (1)	ND (1)	ND (1)	ND (1)	1.35	ND (1)	ND (1)
Magnesium, Dissolved	35000	26200	7310	10700	8850	8990	2530	2500	10500	3990	4510
Manganese, Dissolved	300	1043	657.8	823	588.6	384.3	333.2	321.8	122	298	177.2
Mercury, Dissolved	0.7	ND (0.2)	0.22 J-	ND (0.2)	0.2 J-	0.17 J-	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2) J	ND (0.2)
Nickel, Dissolved	100	2.61	1.49 J	3.67	1.98 J	0.98 J	0.7 J	ND (2)	5.52	2.29	2.53
Potassium, Dissolved	NA	32500	8620	14800	7610	9250	1810	1850	8550	2770	9080
Selenium, Dissolved	10	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Silver, Dissolved	50	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Sodium, Dissolved	20000	559000	80900 J+	246000	86700 J+	84400 J+	10600 J+	10700 J+	23200	20500 J+	151000
Thallium, Dissolved	0.5	ND (1)	ND (2)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1)	ND (2)	ND (1)
Vanadium, Dissolved	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	3.19 J	ND (5)	ND (5)
Zinc, Dissolved	2000	ND (10)	ND (10)	4.68 J	ND (10)	ND (10)	ND (10)	ND (10)	106.4	ND (10)	ND (10)
Total Metals (ug/L)											
Aluminum, Total	NA	239	69.9	872	12.9	572	23.4	23.6	38.2	198	1220
Antimony, Total	3	0.44 J	0.66 J	ND (4)	ND (4)	ND (4)	0.72 J	0.49 J	1.22 J	ND (4)	ND (4)
Arsenic, Total	25	2.83	8.17	1.49	0.98	2.29	3.61	3.02	4.24	2.93	3.71
Barium, Total	1000	309.1	135.2 J+	158.5	274.1 J+	96.46 J+	44.83	47.45	274.2	92.7 J+	52.39
Beryllium, Total	3	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Cadmium, Total	5	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.4)	ND (0.4)	ND (0.2)	ND (0.2)	ND (0.2)
Calcium, Total	NA	152000 J+	103000 J+	133000 J+	122000 J+	86600 J+	47600	46800	65300 J+	48000 J+	47800 J+
Chromium, Total	50	0.65 J	0.34 J	6.01	ND (1)	0.94 J	ND (1)	ND (1)	0.57 J	0.5 J	2.2
Cobalt, Total	NA	0.71	0.42 J	1.06	ND (0.5)	0.71	ND (0.5)	ND (0.5)	1.77	0.24 J	1.26
Copper, Total	200	0.89 J	0.56 J	33.22	ND (1)	2.15	0.43 J	ND (1)	1.48	1.37	3.02
Iron, Total	300	11200	5040	10500	4220	3110	1080	995	983	3330	2140
Lead, Total	25	3.52	11.48	19.58	0.47 J	17.95	0.77 J	0.63 J	6.21	12.43	8.42
Magnesium, Total	35000	27500	7670	11600	9620	9190	2470	2350	11000	4550	5150
Manganese, Total	300	1092	668.3	920	617.9	386.5	328.7	324.4	120.6	335.5	212.6
Mercury, Total	0.7	ND (0.2)	ND (0.2) J	ND (0.2)	ND (0.2) J	ND (0.2) J	ND (0.2) J	0.19 J-	ND (0.2)	ND (0.2) J	ND (0.2)
Nickel, Total	100	3.37	1.3 J	6	1.99 J	3.16	ND (2)	ND (2)	5.34	2.43	6.48
Potassium, Total	NA	31300 J-	9110	14600 J-	8070	9050	1930	1970	7850 J-	3080	8760 J-
Selenium, Total	10	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Silver, Total	50	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Sodium, Total	20000	591000	86200	261000	89800	85600	11300	10700	23200	23600	154000
Thallium, Total	0.5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)	ND (1)	ND (1)	ND (1)
Vanadium, Total	NA	2.17 J	3.09 J	3.2 J	ND (5)	ND (5)	ND (5)	ND (5)	3.68 J	ND (5)	3.62 J
Zinc, Total	2000	ND (10)	20.07	18.16	ND (10)	5.03 J	ND (10)	ND (10)	109.6	9.02 J	6.11 J

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NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

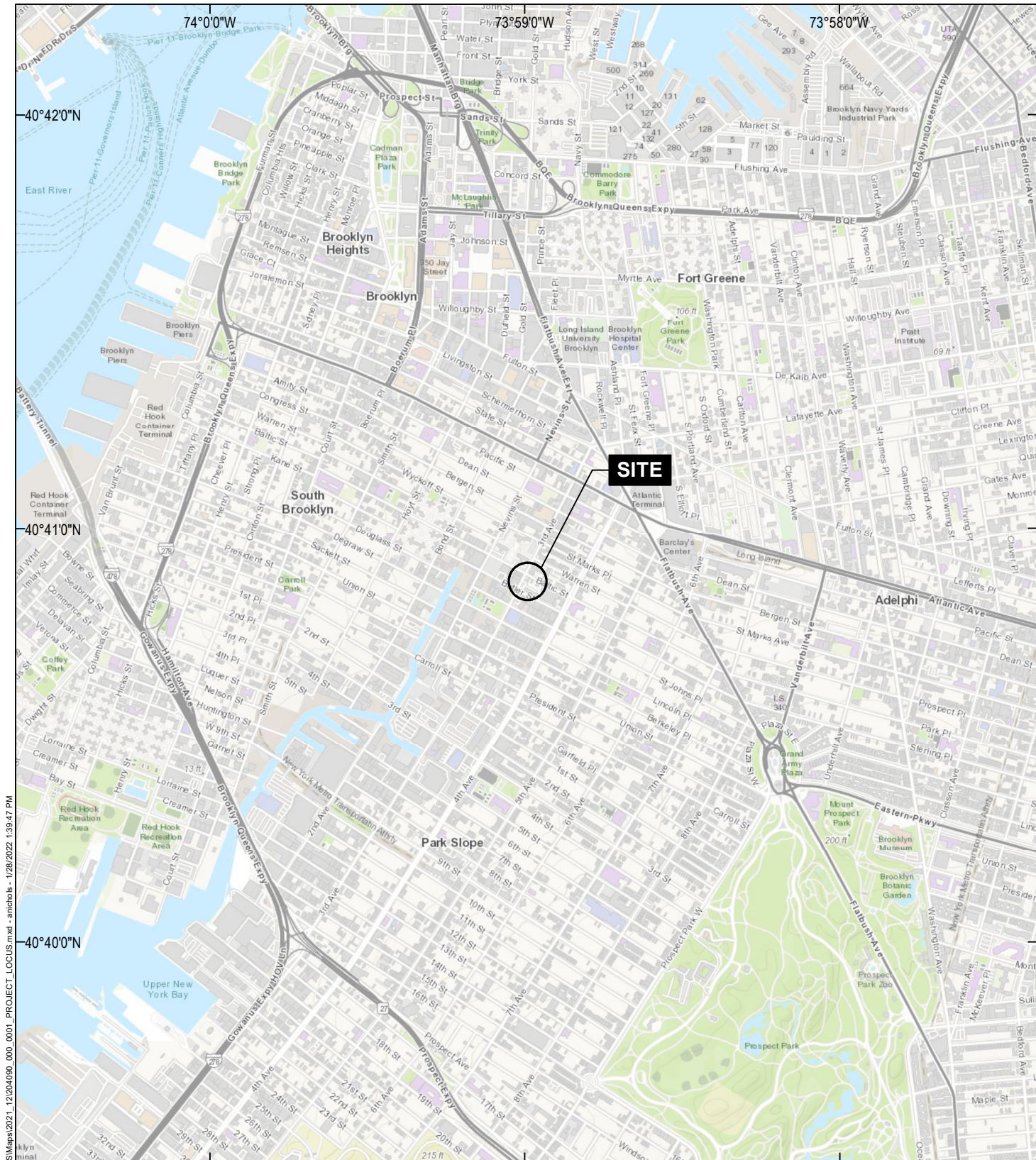
- Water analytical results are compared to the New York State Department of Environmental New York TOGS 111 Ambient Water Quality Standards.

- Bold indicates an exceedance of AWQS criteria.

Location Name Sample Name Sample Date Lab Sample ID	VP-01 VP-01-20230213 02/13/2023 L2307679-03	VP-02 VP-02-20230213 02/13/2023 L2307679-02	VP-03 VP-03-20230210 02/10/2023 L2307530-04	VP-04 VP-04-20230210 02/10/2023 L2307530-02	VP-05 VP-05-20230210 02/10/2023 L2307530-01	VP-06 VP-06-20230213 02/13/2023 L2307679-01	VP-07 VP-07-20230210 02/10/2023 L2307530-03	VP-08 VP-08-20230210 02/10/2023 L2307530-05	VP-09 VP-09-20230608 06/08/2023 L2332183-01	VP-10 VP-10-20230602 06/02/2023 L2330938-01
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (2.6)	ND (971)	ND (57.3)	ND (2.1)	ND (2.48)	ND (1.09)	ND (2.37)	ND (1.09)	ND (1.09)	ND (1.09)
1,1,2,2-Tetrachloroethane	ND (3.27)	ND (1220)	ND (72.1)	ND (2.64)	ND (3.12)	ND (1.37)	ND (2.99)	ND (1.37)	ND (1.37)	ND (1.37)
1,1,2-Trichloroethane	ND (2.6)	ND (971)	ND (57.3)	ND (2.1)	ND (2.48)	ND (1.09)	ND (2.37)	ND (1.09)	ND (1.09)	ND (1.09)
1,1-Dichloroethane	ND (1.93)	ND (720)	ND (42.5)	ND (1.56)	ND (1.84)	ND (0.809)	ND (1.76)	ND (0.809)	ND (0.809)	0.967
1,1-Dichloroethene	ND (1.89)	ND (706)	ND (41.6)	ND (1.53)	ND (1.8)	ND (0.793)	ND (1.72)	ND (0.793)	ND (0.793)	ND (0.793)
1,2,4-Trichlorobenzene	ND (3.53)	ND (1320)	ND (77.9)	ND (2.86)	ND (3.38)	ND (1.48)	ND (3.23)	ND (1.48)	ND (1.48)	ND (1.48)
1,2,4-Trimethylbenzene	4.82	ND (875)	ND (51.6)	4.1	5.06	19.8	3.89	6.88	2.73	2.18
1,2-Dibromoethane (Ethylene Dibromide)	ND (3.66)	ND (1370)	ND (80.7)	ND (2.96)	ND (3.5)	ND (1.54)	ND (3.34)	ND (1.54)	ND (1.54)	ND (1.54)
1,2-Dichlorobenzene	ND (2.86)	ND (1070)	ND (63.1)	ND (2.31)	ND (2.74)	ND (1.2)	ND (2.62)	ND (1.2)	ND (1.2)	ND (1.2)
1,2-Dichloroethane	ND (1.93)	ND (720)	ND (42.5)	ND (1.56)	ND (1.84)	ND (0.809)	ND (1.76)	ND (0.809)	ND (0.809)	ND (0.809)
1,2-Dichloropropane	ND (2.2)	ND (823)	ND (48.5)	ND (1.78)	ND (2.1)	ND (0.924)	ND (2.01)	ND (0.924)	ND (0.924)	ND (0.924)
1,2-Dichlorotetrafluoroethane (CFC 114)	ND (3.33)	ND (1240)	ND (73.4)	ND (2.69)	ND (3.18)	ND (1.4)	ND (3.04)	ND (1.4)	ND (1.4)	ND (1.4)
1,3,5-Trimethylbenzene	ND (2.34)	ND (875)	ND (51.6)	ND (1.89)	ND (2.24)	4.26	ND (2.14)	1.92	ND (0.983)	ND (0.983)
1,3-Butadiene	ND (1.05)	ND (394)	ND (23.2)	3.38	ND (1.01)	3.1	ND (0.962)	ND (0.442)	30.5	24.1
1,3-Dichlorobenzene	ND (2.86)	ND (1070)	ND (63.1)	ND (2.31)	ND (2.74)	ND (1.2)	ND (2.62)	ND (1.2)	ND (1.2)	ND (1.2)
1,4-Dichlorobenzene	ND (2.86)	ND (1070)	ND (63.1)	ND (2.31)	ND (2.74)	ND (1.2)	ND (2.62)	ND (1.2)	ND (1.2)	ND (1.2)
1,4-Dioxane	ND (1.72)	ND (641)	ND (37.8)	ND (1.39)	ND (1.64)	ND (0.721)	ND (1.57)	ND (0.721)	ND (0.721)	ND (0.721)
2,2,4-Trimethylpentane	537	251000	17500	180	ND (2.13)	2.1	440	1.27	6.31	44.8
2-Butanone (Methyl Ethyl Ketone)	5.07	ND (1320)	ND (77.3)	ND (2.84)	ND (3.36)	5.31	23.4	ND (1.47)	8.79	54.9
2-Hexanone (Methyl Butyl Ketone)	ND (1.95)	ND (729)	ND (43)	ND (1.58)	ND (1.86)	ND (0.82)	ND (1.78)	ND (0.82)	ND (0.82)	6.39
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	ND (2.34)	ND (875)	ND (51.6)	ND (1.89)	ND (2.24)	2.89	ND (2.14)	1.64	ND (0.983)	ND (0.983)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (4.88)	ND (1830)	ND (107)	ND (3.94)	ND (4.67)	ND (2.05)	ND (4.47)	ND (2.05)	ND (2.05)	34.6
Acetone	54.4	ND (2120)	ND (124)	287	28	49.6	143	26.4	74.8	302
Allyl chloride	ND (1.49)	ND (557)	ND (32.9)	ND (1.21)	ND (1.42)	ND (0.626)	ND (1.36)	ND (0.626)	ND (0.626)	ND (0.626)
Benzene	2.35	ND (569)	ND (33.5)	2.89	ND (1.45)	3.11	3.55	0.728	59.7	6.26
Benzyl Chloride (alpha-Chlorotoluene)	ND (2.46)	ND (922)	ND (54.4)	ND (1.99)	ND (2.36)	ND (1.04)	ND (2.25)	ND (1.04)	ND (1.04)	ND (1.04)
Bromodichloromethane	ND (3.19)	ND (1190)	ND (70.3)	ND (2.58)	ND (3.05)	ND (1.34)	ND (2.91)	ND (1.34)	ND (1.34)	ND (1.34)
Bromoform	ND (4.92)	ND (1840)	ND (109)	ND (3.98)	ND (4.7)	ND (2.07)	ND (4.5)	ND (2.07)	ND (2.07)	ND (2.07)
Bromomethane (Methyl Bromide)	ND (1.85)	ND (691)	ND (40.8)	ND (1.49)	ND (1.77)	ND (0.777)	ND (1.69)	ND (0.777)	ND (0.777)	ND (0.777)
Carbon disulfide	1.58	ND (554)	ND (32.7)	7.6	ND (1.42)	8.13	27	0.831	9.4	48.6
Carbon tetrachloride	ND (2.99)	ND (1120)	ND (66)	ND (2.42)	ND (2.86)	ND (1.26)	ND (2.74)	ND (1.26)	ND (1.26)	ND (1.26)
Chlorobenzene	ND (2.19)	ND (820)	ND (48.4)	ND (1.77)	ND (2.1)	ND (0.921)	ND (2)	ND (0.921)	ND (0.921)	ND (0.921)
Chloroethane	ND (1.26)	ND (470)	ND (27.7)	ND (1.02)	ND (1.2)	ND (0.528)	ND (1.15)	ND (0.528)	0.636	ND (0.528)
Chloroform (Trichloromethane)	ND (2.32)	ND (869)	ND (51.3)	ND (1.88)	20	92.8	2.89	16.8	2.01	17.4
Chloromethane (Methyl Chloride)	1.65	ND (368)	ND (21.7)	ND (0.795)	ND (0.94)	ND (0.413)	ND (0.898)	ND (0.413)	3.8	2.02
cis-1,2-Dichloroethene	ND (1.89)	ND (706)	ND (41.6)	ND (1.53)	ND (1.8)	ND (0.793)	ND (1.72)	ND (0.793)	ND (0.793)	ND (0.793)
cis-1,3-Dichloropropene	ND (2.16)	ND (808)	ND (47.7)	ND (1.75)	ND (2.07)	ND (0.908)	ND (1.97)	ND (0.908)	ND (0.908)	ND (0.908)
Cyclohexane	ND (1.64)	3130	ND (36.1)	3.39	ND (1.57)	3.89	5.27	1.21	16.8	2.68
Dibromochloromethane	ND (4.06)	ND (1520)	ND (89.5)	ND (3.28)	ND (3.88)	ND (1.7)	ND (3.71)	ND (1.7)	ND (1.7)	ND (1.7)
Dichlorodifluoromethane (CFC-12)	ND (2.35)	ND (880)	ND (51.9)	2.23	ND (2.25)	2.38	ND (2.15)	2.21	250	3.03
Ethanol	ND (22.4)	ND (8400)	ND (494)	ND (18.1)	ND (21.5)	ND (9.42)	ND (20.5)	ND (9.42)	33	15.3
Ethyl acetate	ND (4.29)	ND (1610)	ND (94.4)	ND (3.47)	ND (4.11)	ND (1.8)	ND (3.93)	ND (1.8)	ND (1.8)	ND (1.8)
Ethylbenzene	11.5	ND (773)	ND (45.6)	13	10.9	11	8.47	9.47	3.34	1.31
Hexachlorobutadiene	ND (5.08)	ND (1900)	ND (112)	ND (4.11)	ND (4.85)	ND (2.13)	ND (4.64)	ND (2.13)	ND (2.13)	ND (2.13)
Hexane	12.4	3320	ND (37)	14.3	6.31	26.9	43.7	7.4	31.7	21.5
Isopropyl Alcohol (2-Propanol)	ND (2.93)	ND (1100)	ND (64.4)	2.88	ND (2.8)	1.51	3.83	1.52	7.03	9.19
m,p-Xylenes	31.9	ND (1550)	ND (90.8)	34	33.5	46	22.4	29.9	10.9	4.43
Methyl Tert Butyl Ether (MTBE)	18.6	ND (642)	ND (37.9)	ND (1.39)	ND (1.64)	ND (0.721)	ND (1.57)	ND (0.721)	ND (0.721)	ND (0.721)
Methylene chloride (Dichloromethane)	ND (4.13)	ND (1550)	ND (91)	ND (3.34)	ND (3.96)	ND (1.74)	ND (3.79)	ND (1.74)	ND (1.74)	ND (1.74)
N-Heptane	4.84	2020	ND (43)	35.4	ND (1.86)	4.02	24.8	ND (0.82)	16.5	10.8
o-Xylene	11	ND (773)	ND (45.6)	10.6	11.1	15.6	7.38	10.3	2.78	1.84
Styrene	ND (2.03)	ND (758)	ND (44.7)	ND (1.64)	ND (1.94)	ND (0.852)	ND (1.85)	ND (0.852)	12.4	ND (0.852)
Tert-Butyl Alcohol (tert-Butanol)	16.4	ND (1350)	ND (79.4)	7.49	5.06	1.99	7.03	7.91	16.6	45.2
Tetrachloroethene	382	ND (1210)	464	316	375	204	354	324	3.43	2.94
Tetrahydrofuran	ND (3.51)	ND (1320)	ND (77.3)	ND (2.84)	ND (3.36)	ND (1.47)	ND (3.21)	3.54	2.45	12.8
Toluene	584	708	531	501	584	309	588	501	41.5	9.95
trans-1,2-Dichloroethene	ND (1.89)	ND (706)	ND (41.6)	ND (1.53)	ND (1.8)	ND (0.793)	ND (1.72)	ND (0.793)	ND (0.793)	ND (0.793)
trans-1,3-Dichloropropene	ND (2.16)	ND (808)	ND (47.7)	ND (1.75)	ND (2.07)	ND (0.908)	ND (1.97)	ND (0.908)	ND (0.908)	ND (0.908)
Trichloroethene	ND (2.56)	ND (957)	ND (56.4)	ND (2.07)	ND (2.45)	ND (1.07)	ND (2.34)	ND (1.07)	ND (1.07)	ND (1.07)
Trichlorofluoromethane (CFC-11)	ND (2.67)	ND (1000)	ND (59)	ND (2.16)	ND (2.56)	ND (1.12)	ND (2.44)	1.18	43.8	ND (1.12)
Trifluorotrichloroethane (Freon 113)	ND (3.65)	ND (1360)	ND (80.5)	ND (2.95)	ND (3.49)	ND (1.53)	ND (3.33)	ND (1.53)	ND (1.53)	ND (1.53)
Vinyl Bromide (Bromoethene)	ND (2.08)	ND (778)	ND (45.9)	ND (1.68)	ND (1.99)	ND (0.874)	ND (1.9)	ND (0.874)	ND (0.874)	ND (0.874)
Vinyl chloride	ND (1.22)	ND (455)	ND (26.8)	ND (0.984)	ND (1.16)	ND (0.511)	ND (1.11)	ND (0.511)	ND (0.511)	ND (0.511)
SUM of BTEX	641	708	531	561	640	385	630	551	118	23.8
SUM of Volatile Organic Compounds	1679.51	260178	18495	1425.26	1078.93	817.39	1708.61	956.109	690.906	685.187

ABBREVIATIONS AND NOTES:
µg/m³: micrograms per cubic meter
BTEX: Benzene, Toluene, Ethylbenzene, Xylenes
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
VOCs: Volatile Organic Compounds
- For test methods used, see the laboratory data sheets.

FIGURES



GIS: \\haleyaldrich.com\share\CF\Project\02040901\GIS\Map\2021_12\204090_000_0001_PROJECT_LOCUS.mxd - anchor - 1/28/2021 1:39:47 PM



MAP SOURCE: ESRI
SITE COORDINATES: 40°40'52"N, 73°58'59"W

**HALEY
ALDRICH**

556 BALTIC STREET
BROOKLYN, NY

PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2000 FT
MARCH 2023

FIGURE 1

GIS: \\haleyaldrich.com\share\CP\Projects\0204090\GIS\Maps\2021_12\204090_000_0002_SITE_PLAN.mxd - khrsien - 12/2/2021 9:56:07 AM



LEGEND

-  SITE BOUNDARY
-  UST LOCATION

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021



0 30 60
SCALE IN FEET

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556 BAL TIC STREET
BROOKLYN, NY

SITE MAP

MARCH 2023

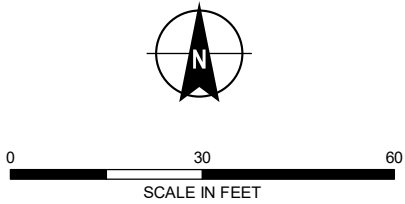
FIGURE 2

GIS: \\haleyaldrich.com\share\CP\Projects\0204090\GIS\Maps\2023_02\204090_000_0002_SAMPLE_LOCATION_MAP.mxd - kharsen - 2/23/2023 12:40:45 PM



- LEGEND**
- FORMER MONITORING WELL
 - MONITORING WELL
 - SOIL BORING/MONITORING WELL
 - SOIL BORING
 - SOIL VAPOR
 - UST LOCATION
 - SITE BOUNDARY
 - DELINEATION SOIL BORING

- NOTES**
- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 - AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021



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556 BALTIC STREET
BROOKLYN, NY

SAMPLE LOCATION MAP

MARCH 2023

FIGURE 3

GIS: \\haleyaldrich.com\share\CP\Projects\0204090\GIS\Maps\2021_12\204090_000_0002_SITE_PLAN.mxd - khrsien - 12/2/2021 9:56:07 AM



LEGEND

-  SITE BOUNDARY
-  UST LOCATION
-  DELINEATION SOIL BORING

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021



0 30 60
SCALE IN FEET

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556 BALTIC STREET
BROOKLYN, NY

**DELINEATION
SAMPLE LOCATION MAP**

MARCH 2023

FIGURE 4

C:\GIS\Haleya\Aldrich\CP\Projects\0204090\GIS\Maps\2023_01\204090_000_0004_PROPOSED_NAPL_GCM_INVESTIGATION_MAP.mxd - 1/6/2023 10:00:37 AM

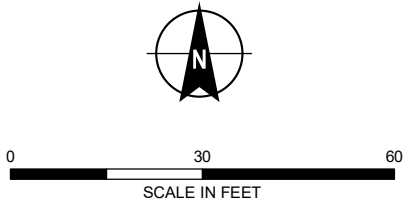


LEGEND

-  GCM/NAPL INVESTIGATION BORING
-  SITE FEATURE
-  SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. GCM/NAPL INVESTIGATION BORINGS WILL BE INSTALLED TO A MINIMUM OF 100 FT BGS
3. AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021



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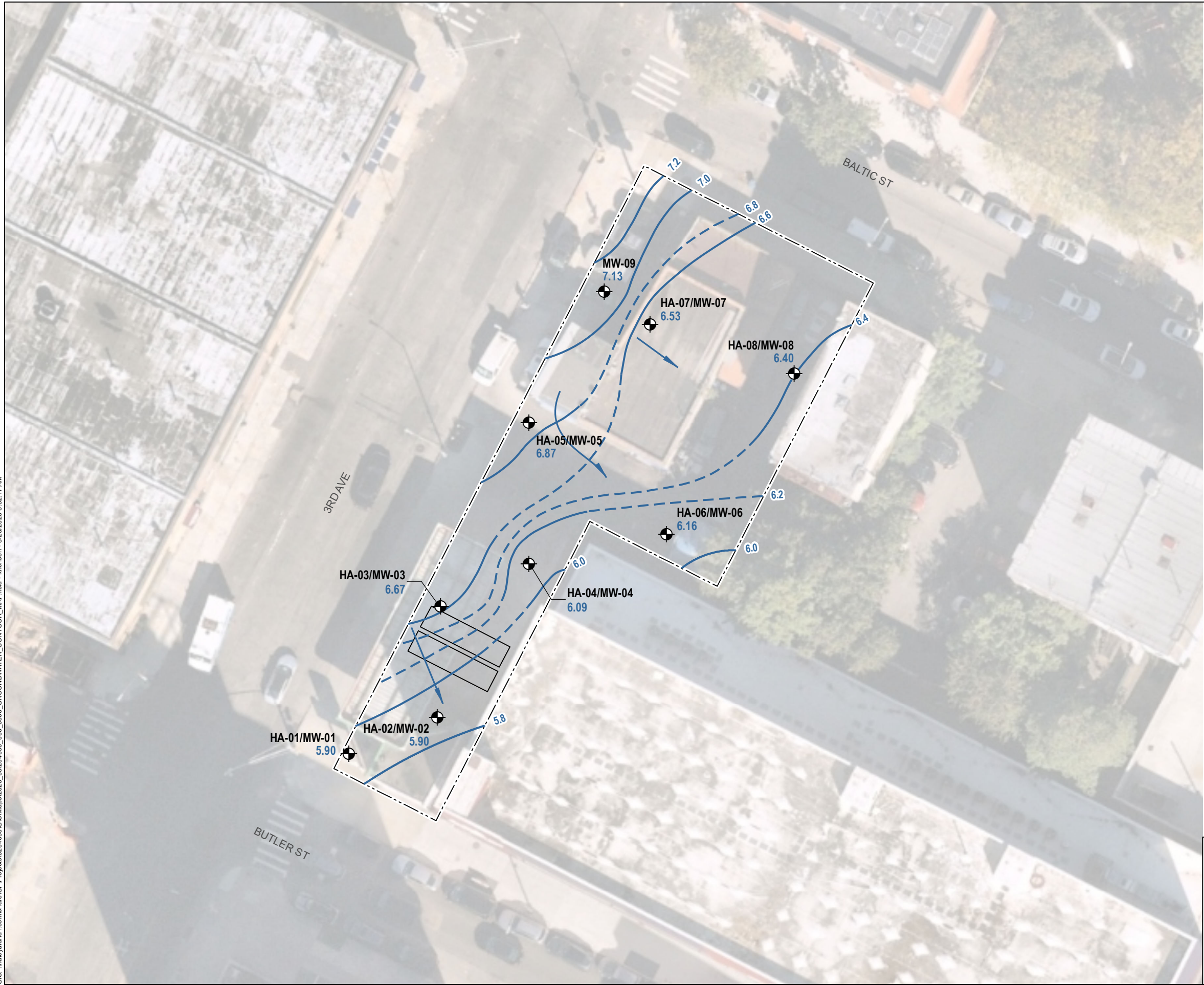
556 BALTIC STREET
BROOKLYN, NY

NAPL/GCM INVESTIGATION MAP

MARCH 2023

FIGURE 5

GIS: \\haleyaldrich.com\share\CP\Projects\0204090\GIS\Maps\2023_03\204090_000_0006_GROUNDWATER_CONTOUR_MAP.mxd - khansen - 3/23/2023 6:52:17 AM

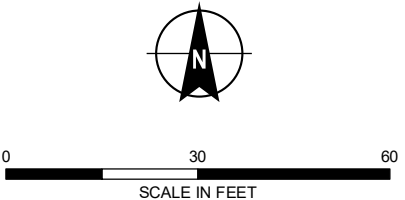


LEGEND

- MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR, IN FEET (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- UST LOCATION
- SITE BOUNDARY

NOTES

- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
- AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021



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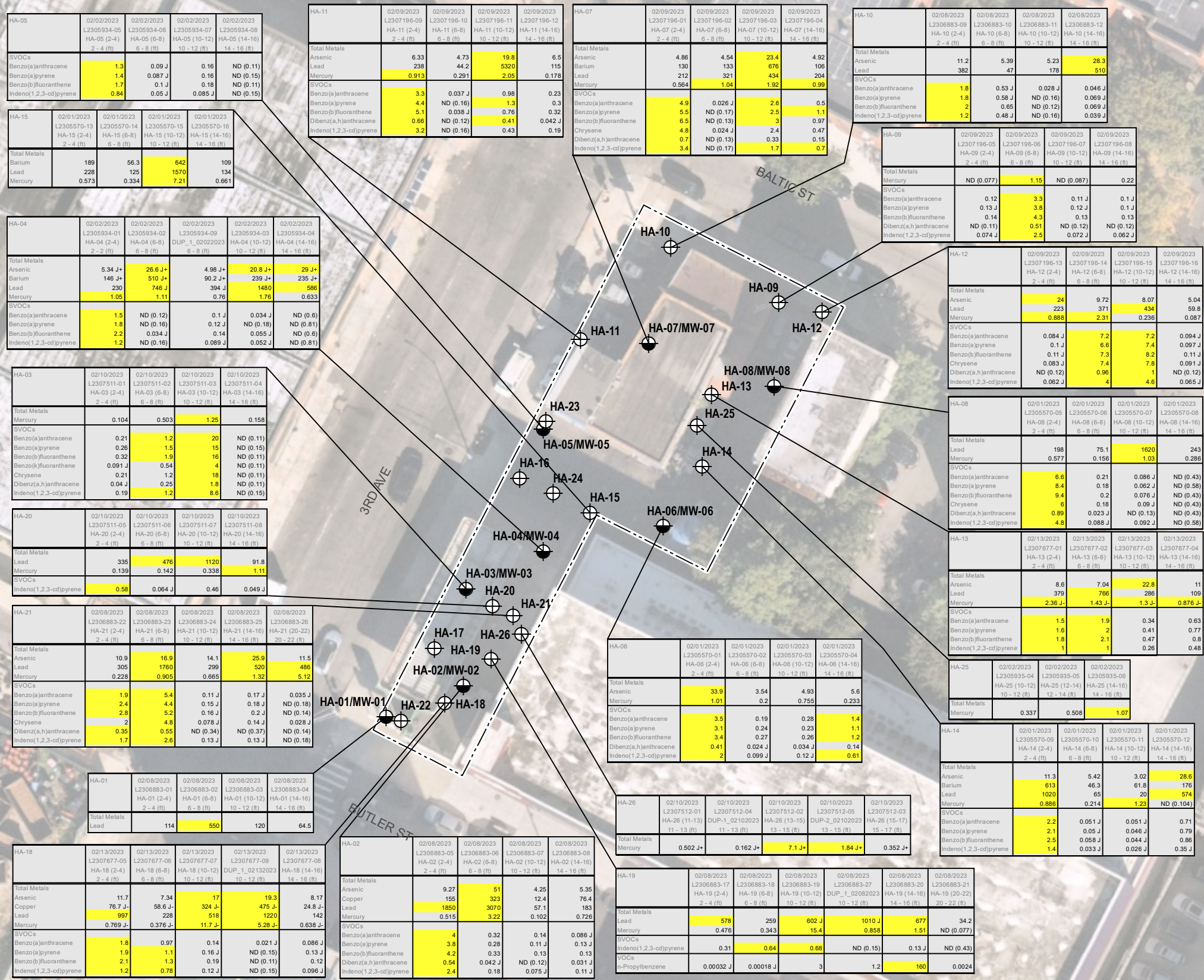
REMEDIAL INVESTIGATION WORK PLAN
556 BALTIC STREET
BROOKLYN, NEW YORK

GROUNDWATER CONTOUR MAP

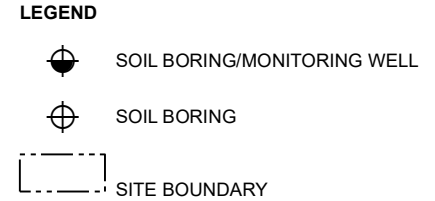
MARCH 2023

FIGURE 6

GIS: \\haleyaldrich.com\share\CP\Projects\0204090\GIS\Map\2023_05_RIR\204090_000_007A_SOIL_RESULTS_EXCEEDANCE_MAP_RRSCOS.mxd - khrsien - 6/7/2023 1:41:37 PM

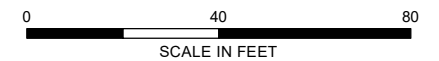


GIS: \\haleyaldrich.com\share\CP\Projects\20240901\GIS\Maps\2023_05_RIR204090_000_07B3_SOIL_RESULTS_EXCEEDANCE_MAP_UUSCOS_AND_PGWSCOS_PESTICIDES_VOCS_PFAS.mxd - kensen - 6/7/2023 2:40:57 PM



Notes

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (UUSCOS) AND 40 CFR 261 SUBPART C AND TABLE 1 OF 40 CFR 261.24 AND NYSDEC PART 375 PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES (PGWSCOS) WHERE APPLICABLE
3. EXCEEDANCES OF UUSCOS SHADED IN GRAY
4. EXCEEDANCES OF PGWSCOS FOR COMPOUNDS DETECTED IN GROUNDWATER ABOVE THE NYSDEC AMBIENT WATER QUALITY STANDARDS (AWQS) ARE SHOWN IN BLUE AND BLACK ITALICS.
5. BLUE ITALICS INDICATE A COMPOUND DETECTED ABOVE THE PGWSCO IN A SOIL SAMPLE COLLECTED AT A CO-LOCATED MONITORING WELL LOCATION WITH THE CORRESPONDING COMPOUND FOUND IN GROUNDWATER ABOVE THE AWQS.
6. BLACK ITALICS INDICATE A COMPOUND DETECTED ABOVE THE PGWSCO IN A SOIL SAMPLE WHERE THE COMPOUND WAS NOT ALSO DETECTED IN GROUNDWATER AT THAT LOCATION BUT WAS DETECTED ELSEWHERE ON THE SITE IN GROUNDWATER ABOVE THE AWQS.
7. RESULTS ARE SHOWN IN MG/KG WITH EXCEPTION OF PFAS SHOWN IN NG/G.
8. AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021



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REMEDIAL INVESTIGATION WORK PLAN
556 BALTIC STREET
BROOKLYN, NEW YORK

**SOIL RESULTS EXCEEDANCE MAP
UUSCOS AND PGWSCOS - PCBS,
PESTICIDES, VOCS, PFAS**

JUNE 2023

FIGURE 7B

G:\HaleyAldrich\comshare\CP\Projects\0204090\GIS\Maps\2023_05_RIR\204090_000_07B2_SOIL_RESULTS_EXCEEDANCE_MAP_UUSCOS_AND_PGWSCOS_SVOCs.mxd - khansen - 6/7/2023 2:38:33 PM

HA-05	02/02/2023 L2305934-05 HA-05 (2-4) 2 - 4 (ft)	02/02/2023 L2305934-06 HA-05 (6-8) 6 - 8 (ft)	02/02/2023 L2305934-07 HA-05 (10-12) 10 - 12 (ft)	02/02/2023 L2305934-08 HA-05 (14-16) 14 - 16 (ft)
SVOCs (mg/kg)				
Benzo(a)anthracene	1.3	0.09 J	0.16	ND (0.11)
Benzo(a)pyrene	1.4	0.087 J	0.16	ND (0.15)
Benzo(b)fluoranthene	1.7	0.1 J	0.18	ND (0.11)
Chrysene	1.2	0.088 J	0.17	ND (0.11)
Indeno(1,2,3-cd)pyrene	0.04	0.05 J	0.055 J	ND (0.15)

HA-11	02/09/2023 L2307196-09 HA-11 (2-4) 2 - 4 (ft)	02/09/2023 L2307196-10 HA-11 (6-8) 6 - 8 (ft)	02/09/2023 L2307196-11 HA-11 (10-12) 10 - 12 (ft)	02/09/2023 L2307196-12 HA-11 (14-16) 14 - 16 (ft)
SVOCs (mg/kg)				
Benzo(a)anthracene	3.3	0.037 J	0.98	0.23
Benzo(a)pyrene	4.4	ND (0.16)	1.3	0.3
Benzo(b)fluoranthene	5.1	0.038 J	0.76	0.32
Benzo(k)fluoranthene	1.9	ND (0.12)	0.15	0.12
Chrysene	3.3	0.031 J	1.3	0.23
Dibenz(a,h)anthracene	0.66	ND (0.12)	0.43	0.042 J
Indeno(1,2,3-cd)pyrene	3.2	ND (0.16)	0.43	0.19

HA-07	02/09/2023 L2307196-01 HA-07 (2-4) 2 - 4 (ft)	02/09/2023 L2307196-02 HA-07 (6-8) 6 - 8 (ft)	02/09/2023 L2307196-03 HA-07 (10-12) 10 - 12 (ft)	02/09/2023 L2307196-04 HA-07 (14-16) 14 - 16 (ft)
SVOCs (mg/kg)				
Benzo(a)anthracene	4.9	0.026 J	2.6	0.5
Benzo(a)pyrene	5.3	ND (0.17)	2.3	1.1
Benzo(b)fluoranthene	6.5	ND (0.13)	3	0.97
Benzo(k)fluoranthene	2.2	ND (0.13)	0.86	0.38
Chrysene	4.8	0.024 J	2.4	0.47
Dibenz(a,h)anthracene	0.7	ND (0.13)	0.33	0.15
Indeno(1,2,3-cd)pyrene	3.4	ND (0.17)	1.3	0.7

HA-10	02/08/2023 L2306883-09 HA-10 (2-4) 2 - 4 (ft)	02/08/2023 L2306883-10 HA-10 (6-8) 6 - 8 (ft)	02/08/2023 L2306883-11 HA-10 (10-12) 10 - 12 (ft)	02/08/2023 L2306883-12 HA-10 (14-16) 14 - 16 (ft)
SVOCs (mg/kg)				
Benzo(a)anthracene	1.8	0.53 J	0.029 J	0.046 J
Benzo(a)pyrene	1.3	0.58 J	ND (0.16)	0.069 J
Benzo(b)fluoranthene	2	0.65	ND (0.12)	0.069 J
Chrysene	1.7	0.47 J	0.022 J	0.058 J
Indeno(1,2,3-cd)pyrene	1.2	0.48 J	ND (0.16)	0.039 J

HA-04	02/02/2023 L2305934-01 HA-04 (2-4) 2 - 4 (ft)	02/02/2023 L2305934-02 HA-04 (6-8) 6 - 8 (ft)	02/02/2023 L2305934-03 DUP_1_02022023 10 - 12 (ft)	02/02/2023 L2305934-04 HA-04 (10-12) 10 - 12 (ft)	02/02/2023 L2305934-04 HA-04 (14-16) 14 - 16 (ft)
SVOCs (mg/kg)					
Benzo(a)anthracene	1.5	ND (0.12)	0.1 J	0.034 J	ND (0.6)
Benzo(a)pyrene	1.8	ND (0.16)	0.12 J	ND (0.18)	ND (0.81)
Benzo(b)fluoranthene	2.2	0.034 J	0.14	0.055 J	ND (0.6)
Chrysene	1.6	0.029 J	0.12	0.032 J	ND (0.6)
Indeno(1,2,3-cd)pyrene	1.2	ND (0.16)	0.089 J	0.052 J	ND (0.81)

HA-03	02/10/2023 L2307511-01 HA-03 (2-4) 2 - 4 (ft)	02/10/2023 L2307511-02 HA-03 (6-8) 6 - 8 (ft)	02/10/2023 L2307511-03 HA-03 (10-12) 10 - 12 (ft)	02/10/2023 L2307511-04 HA-03 (14-16) 14 - 16 (ft)
SVOCs (mg/kg)				
Benzo(a)anthracene	0.21	1.2	29	ND (0.11)
Benzo(a)pyrene	0.26	1.5	13	ND (0.15)
Benzo(b)fluoranthene	0.32	1.8	19	ND (0.11)
Benzo(k)fluoranthene	0.091 J	0.54	4	ND (0.11)
Chrysene	0.21	1.2	19	ND (0.11)
Dibenz(a,h)anthracene	0.04 J	0.25	1.8	ND (0.11)
Indeno(1,2,3-cd)pyrene	0.19	1.2	8.6	ND (0.15)

HA-20	02/10/2023 L2307511-05 HA-20 (2-4) 2 - 4 (ft)	02/10/2023 L2307511-06 HA-20 (6-8) 6 - 8 (ft)	02/10/2023 L2307511-07 HA-20 (10-12) 10 - 12 (ft)	02/10/2023 L2307511-08 HA-20 (14-16) 14 - 16 (ft)
SVOCs (mg/kg)				
Indeno(1,2,3-cd)pyrene	0.36	0.054 J	0.46	0.049 J

HA-21	02/08/2023 L2306883-22 HA-21 (2-4) 2 - 4 (ft)	02/08/2023 L2306883-23 HA-21 (6-8) 6 - 8 (ft)	02/08/2023 L2306883-24 HA-21 (10-12) 10 - 12 (ft)	02/08/2023 L2306883-25 HA-21 (14-16) 14 - 16 (ft)	02/08/2023 L2306883-26 HA-21 (20-22) 20 - 22 (ft)
SVOCs (mg/kg)					
Benzo(a)anthracene	1.9	5.4	0.11 J	0.17 J	0.035 J
Benzo(a)pyrene	2.4	4.4	0.15 J	0.18 J	ND (0.18)
Benzo(b)fluoranthene	2.8	5.2	0.16 J	0.2 J	ND (0.14)
Benzo(k)fluoranthene		1.4	ND (0.34)	ND (0.37)	ND (0.14)
Chrysene	2	4.8	0.078 J	0.14 J	0.028 J
Dibenz(a,h)anthracene	0.35	0.55	ND (0.34)	ND (0.37)	ND (0.14)
Indeno(1,2,3-cd)pyrene	1.7	2.6	0.13 J	0.13 J	ND (0.18)

HA-18	02/13/2023 L2307677-05 HA-18 (2-4) 2 - 4 (ft)	02/13/2023 L2307677-06 HA-18 (6-8) 6 - 8 (ft)	02/13/2023 L2307677-07 HA-18 (10-12) 10 - 12 (ft)	02/13/2023 L2307677-09 DUP_1_02132023 10 - 12 (ft)	02/13/2023 L2307677-08 HA-18 (14-16) 14 - 16 (ft)
SVOCs (mg/kg)					
Benzo(a)anthracene	1.8	0.97	0.14	0.021 J	0.086 J
Benzo(a)pyrene	1.3	1.3	0.16 J	ND (0.15)	0.13 J
Benzo(b)fluoranthene	2.1	1.3	0.19	ND (0.11)	0.12
Chrysene	1.7	1.1	0.15	ND (0.11)	0.095 J
Indeno(1,2,3-cd)pyrene	1.2	0.78	0.12 J	ND (0.15)	0.096 J

HA-02	02/08/2023 L2306883-05 HA-02 (2-4) 2 - 4 (ft)	02/08/2023 L2306883-06 HA-02 (6-8) 6 - 8 (ft)	02/08/2023 L2306883-07 HA-02 (10-12) 10 - 12 (ft)	02/08/2023 L2306883-08 HA-02 (14-16) 14 - 16 (ft)
SVOCs (mg/kg)				
Benzo(a)anthracene	4	0.32	0.14	0.088 J
Benzo(a)pyrene	3.8	0.28	0.11 J	0.13 J
Benzo(b)fluoranthene	4.2	0.33	0.13	0.13
Benzo(k)fluoranthene		0.11 J	0.038 J	0.058 J
Chrysene	3.7	0.34	0.13	0.084 J
Dibenz(a,h)anthracene	0.54	0.042 J	ND (0.12)	0.031 J
Indeno(1,2,3-cd)pyrene	2.4	0.18	0.075 J	0.11 J

HA-06	02/01/2023 L2305570-01 HA-06 (2-4) 2 - 4 (ft)	02/01/2023 L2305570-02 HA-06 (6-8) 6 - 8 (ft)	02/01/2023 L2305570-03 HA-06 (10-12) 10 - 12 (ft)	02/01/2023 L2305570-04 HA-06 (14-16) 14 - 16 (ft)
SVOCs (mg/kg)				
Benzo(a)anthracene	3.5	0.19	0.28	1.4
Benzo(a)pyrene	3.1	0.24	0.23	1.1
Benzo(b)fluoranthene	3.4	0.27	0.26	1.2
Benzo(k)fluoranthene	1.1	0.09 J	0.09 J	0.46
Chrysene	3.6	0.17	0.26	1.3
Dibenz(a,h)anthracene	0.41	0.024 J	0.034 J	0.14
Indeno(1,2,3-cd)pyrene	2	0.099 J	0.12 J	0.83

HA-19	02/08/2023 L2306883-17 HA-19 (2-4) 2 - 4 (ft)	02/08/2023 L2306883-18 HA-19 (6-8) 6 - 8 (ft)	02/08/2023 L2306883-19 HA-19 (10-12) 10 - 12 (ft)	02/08/2023 L2306883-27 DUP_1_02082023 10 - 12 (ft)	02/08/2023 L2306883-20 HA-19 (14-16) 14 - 16 (ft)	02/08/2023 L2306883-21 HA-19 (20-22) 20 - 22 (ft)
SVOCs (mg/kg)						
Indeno(1,2,3-cd)pyrene	0.31	0.64	0.58	ND (0.15)	0.13 J	ND (0.43)

HA-14	02/01/2023 L2305570-09 HA-14 (2-4) 2 - 4 (ft)	02/01/2023 L2305570-10 HA-14 (6-8) 6 - 8 (ft)	02/01/2023 L2305570-11 HA-14 (10-12) 10 - 12 (ft)	02/01/2023 L2305570-12 HA-14 (14-16) 14 - 16 (ft)
SVOCs (mg/kg)				
3,4,4-Methylphenol	ND (0.26)	ND (0.26)	ND (0.26)	2
Benzo(a)anthracene	2.2	0.051 J	0.051 J	0.71
Benzo(a)pyrene	2.1	0.05 J	0.046 J	0.79
Benzo(b)fluoranthene	2.5	0.058 J	0.044 J	0.86
Chrysene	2.2	0.046 J	0.045 J	0.66
Indeno(1,2,3-cd)pyrene	1.4	0.033 J	0.026 J	0.35 J

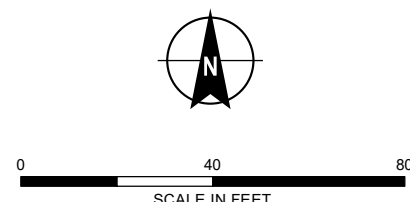
LEGEND

 SOIL BORING/MONITORING WELL

 SOIL BORING

 SITE BOUNDARY

- Notes**
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 2. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (UUSCOS) AND 40 CFR 261 SUBPART C AND TABLE 1 OF 40 CFR 261.24 AND NYSDEC PART3 375 PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES (PGWSCOS) WHERE APPLICABLE
 3. EXCEEDANCES OF UUSCOS SHADED IN GRAY
 4. EXCEEDANCES OF PGWSCOS FOR COMPOUNDS DETECTED IN GROUNDWATER ABOVE THE NYSDEC AMBIENT WATER QUALITY STANDARDS (AWQS) ARE SHOWN IN BLUE AND BLACK ITALICS.
 5. BLUE ITALICS INDICATE A COMPOUND DETECTED ABOVE THE PGWSCO IN A SOIL SAMPLE COLLECTED AT A CO-LOCATED MONITORING WELL LOCATION WITH THE CORRESPONDING COMPOUND FOUND IN GROUNDWATER ABOVE THE AWQS.
 6. BLACK ITALICS INDICATE A COMPOUND DETECTED ABOVE THE PGWSCO IN A SOIL SAMPLE WHERE THE COMPOUND WAS NOT ALSO DETECTED IN GROUNDWATER AT THAT LOCATION BUT WAS DETECTED ELSEWHERE ON THE SITE IN GROUNDWATER ABOVE THE AWQS.
 7. RESULTS ARE SHOWN IN MG/KG.
 8. AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021



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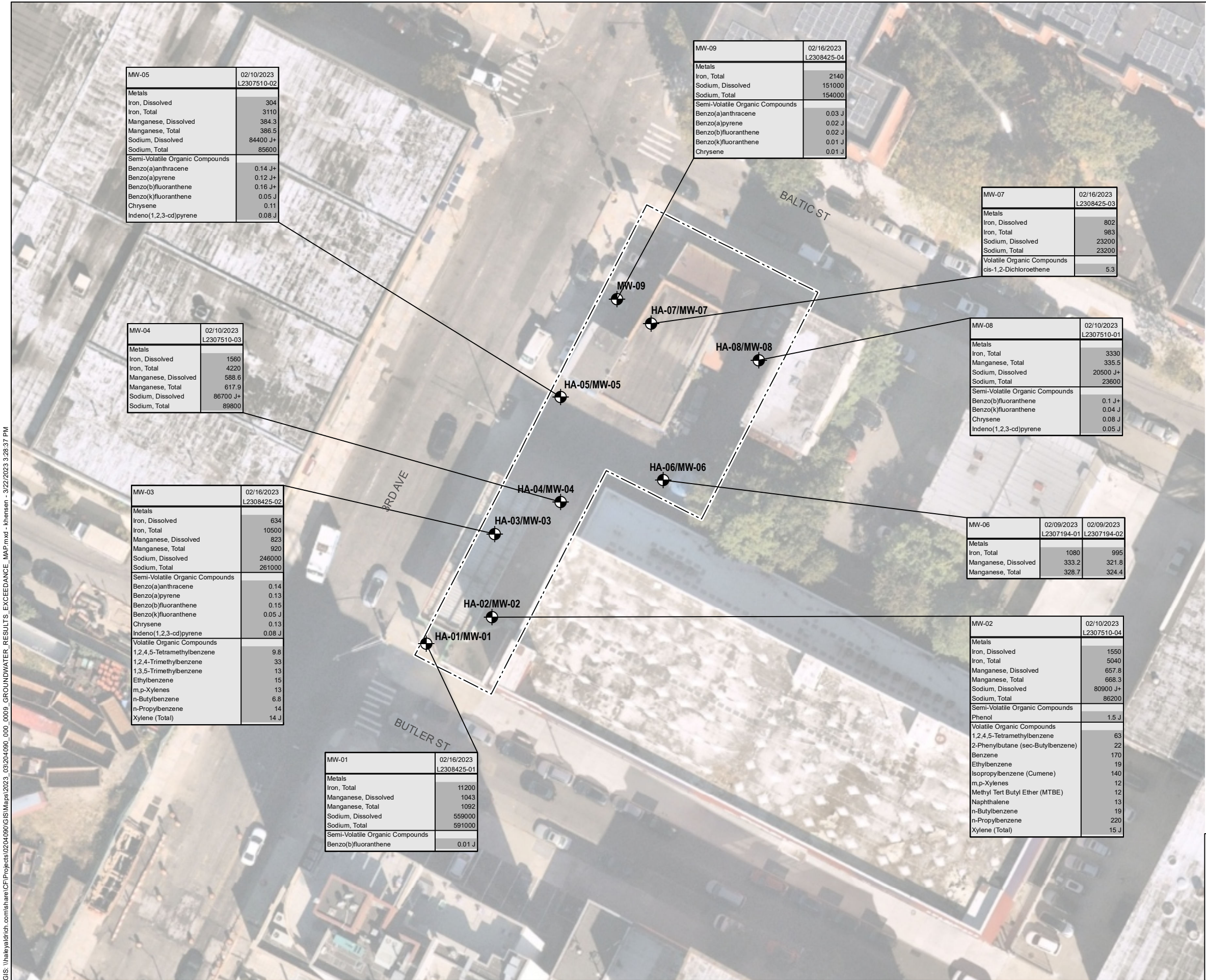
REMEDIATION INVESTIGATION WORK PLAN
556 BALTIC STREET
BROOKLYN, NEW YORK

SOIL RESULTS EXCEEDANCE MAP
UUSCOS AND PGWSCOS - METALS

JUNE 2023

FIGURE 7D

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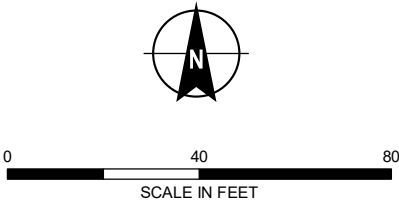


LEGEND

MONITORING WELL

SITE BOUNDARY

- NOTES**
- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 - GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION(NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS (AWQS)
 - ALL RESULTS SHOWN EXCEED THE NYSDEC AWQS.
 - RESULTS ARE DISPLAYED IN MICROGRAMS PER LITER (ug/L).
 - AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021
 - IRON, MANGANESE AND SODIUM ARE NATURALLY OCCURRING METALS AND WILL NOT BE ADDRESSED BY THE REMEDY.



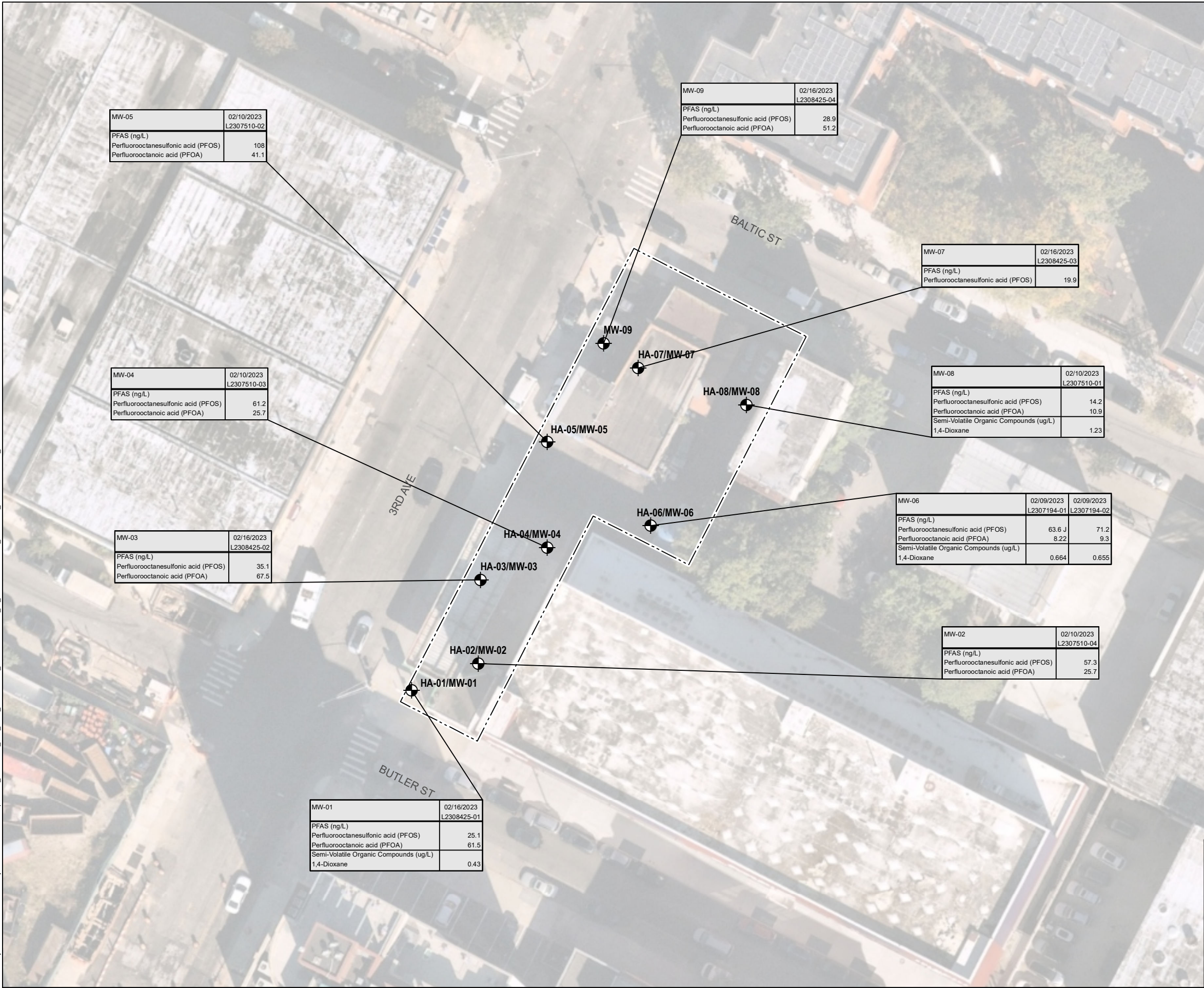
556 BAL TIC STREET
BROOKLYN, NY

GROUNDWATER RESULTS
EXCEEDANCE MAP

MARCH 2023

FIGURE 8

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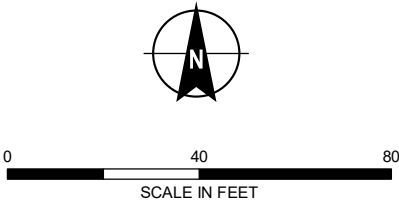


LEGEND

MONITORING WELL

SITE BOUNDARY

- NOTES**
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 2. EMERGING CONTAMINANTS ANALYTICAL RESULTS COMPARED TO THE NYSDEC FEBRUARY 2023 GUIDANCE VALUES (NYSDEC GV) FOR PFOA, PFOS, AND 1,4-DIOXANE.
 3. PFAS RESULTS SHOWN IN NG/L. 1,4-DIOXANE RESULTS SHOWN IN MICROGRAMS PER LITER (µg/L).
 4. ONLY EXCEEDANCES SHOWN FIGURE.
 5. AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021



**HALEY
ALDRICH**

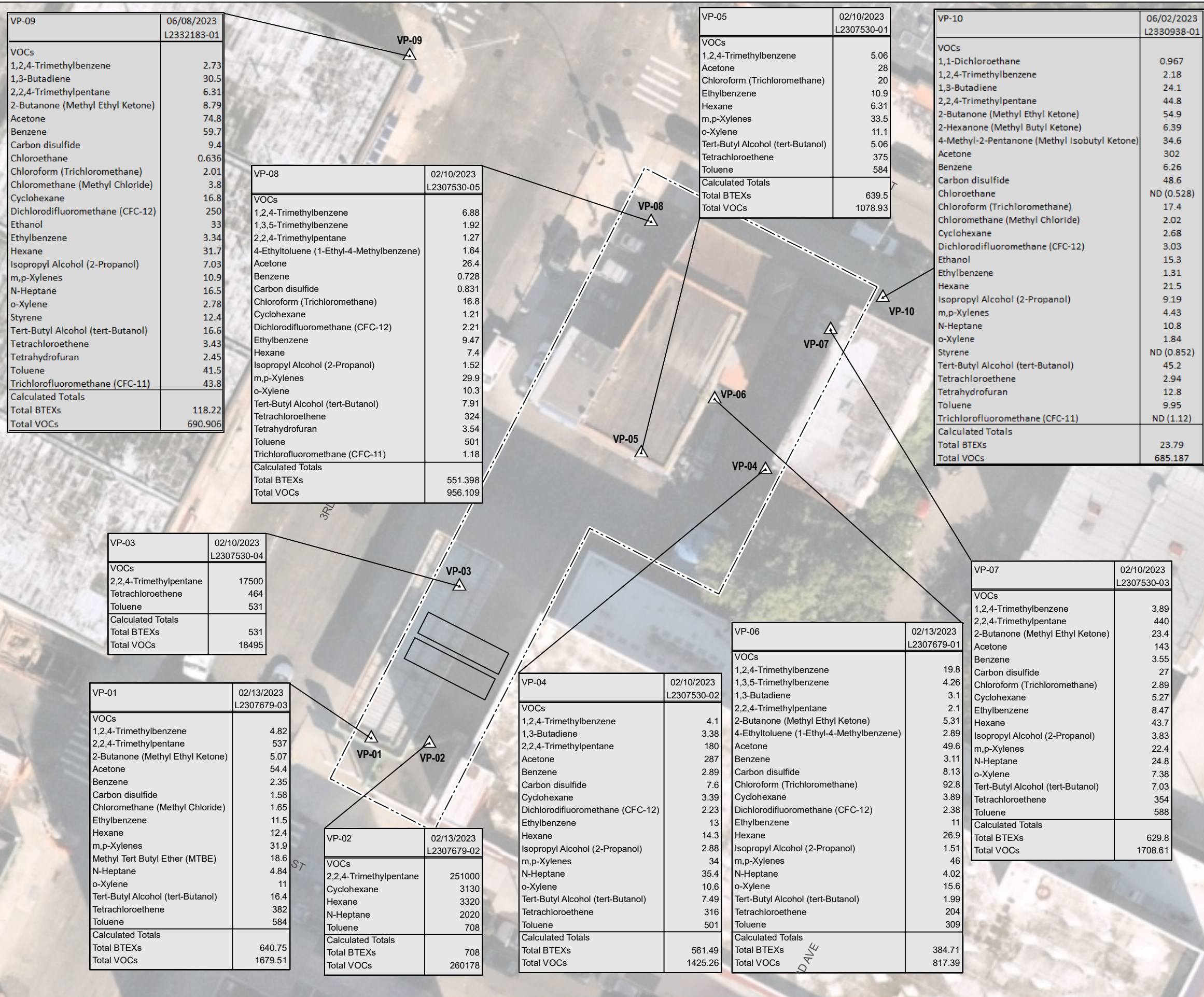
556 BAL TIC STREET
BROOKLYN, NY

EMERGING CONTAMINANTS IN
GROUNDWATER RESULTS
EXCEEDANCES MAP

MARCH 2023

FIGURE 9

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LEGEND

--- SITE BOUNDARY

--- UST LOCATION

△ SOIL VAPOR PROBE

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. ALL DETECTED ANYLTES SHOWN ON FIGURE.

3. SOIL VAPOR ANALYSIS - VOLATILE ORGANIC COMPOUNDS (VOCs)

4. RESULTS ARE DISPLAYED IN MICROGRAMS PER CUBIC METER (µg/m3)

5. TOTAL DETECTED CONCENTRATION OF BENZENE, TOLUENE, ETHYLBENZENE AND XYLENES (BTEX)

6. TOTAL VOCs IS THE SUM OF ALL THE DETECTED CONCENTRATIONS

7. AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021

HALEY ALDRICH

556 BALTIC STREET
BROOKLYN, NY

SOIL VAPOR CHEMISTRY MAP

MARCH 2023

FIGURE 10

APPENDIX A
Ground Penetrating Radar Survey Report



501 Cambria Avenue, Suite 281, Bensalem, PA 19020
215-366-7389
eastcoastgeophysics.com

Date:

3-5-2023

Site Location:

151-159 3rd Avenue, Brooklyn, New York

Attention:

Coastal Environmental Solutions, Inc.
100 Knickerbocker Avenue, Unit D, Bohemia, New York 11716

Regards:

Michael Mesaros
East Coast Geophysics Inc.
501 Cambria Avenue Suite 281, Bensalem, Pennsylvania, 19020

1. BACKGROUND AND PROJECT OBJECTIVES

On February 1st, 2023 East Coast Geophysics personnel performed a limited geophysical investigation at 151-159 3rd Avenue in Brooklyn New York. A former gas station and car wash occupied the property. Surface conditions were concrete and asphalt. Site project objectives are:

- Locate all detectable underground utilities adjacent to the client proposed soil borings.
- Scan the survey area for anomalies consistent with UST's and former excavations.

2. EQUIPMENT

This project used the following equipment to perform the geophysical survey on the property.

- *GSSI SIR-3000 Cart Mounted Ground Penetrating Radar System*

Ground Penetrating Radar is a non-invasive geophysical method in which electromagnetic pulses probe the subsurface, allowing targets to be imaged in real time. The EM pulses that are transmitted into the subsurface are reflected from various interfaces within the ground, including soil horizons, ground water, and manmade features such as underground storage tanks and utilities. The GPR antenna consists of a transmitter, which is used to create the EM pulse, and a receiver which collects returning signals. The high frequency waves created by the antenna can be generated in a range of 10 MHz to 2.6 GHz. The frequency of the antenna will vary the depth of penetrations, signal clarity, and attenuation into the subsurface. The antenna used for general field work by ECG is 400 MHz; this frequency range has the capability to transmit to a depth of up to 10 feet below ground surface. Surface and subsurface conditions can greatly reduce the effective depth of the signal penetration; these conditions include conductive soils, slag/fill material and standing water.

- *Radiodetection RD7000+*

RD7000 is an advanced high-range precision utility detector capable of detecting utilities up to 15 feet below ground surface. The RD7000+ has the capability of locating a variety of pipes and cables using either passive or active modes. **Passive** signals can be traced with only the transmitter using "natural" signals present in many conductors. These signals can be generated from an array of sources including power cables, power system return currents, and long wave radio frequencies. **Active** signals are known AC frequencies induced onto a target pipe or cable. User induced signals can help positively identify lines throughout areas of congested utilities.

- *Fisher TW-6 Pipe and Cable Locator*

The Fisher TW-6 Pipe and cable locator uses electromagnetic induction to locate conductive materials, such as manholes, tanks, pipes, cables, and other metallic materials in the subsurface. The transmitter generates an AC current which produces an electromagnetic field similar to a dipole magnet. When the transmitter passes over a conductive feature, the generated electromagnetic field becomes distorted as a result of the interference with the natural electromagnetic field created by the conductive feature. The distortion of the

generated field is detected by the receiver which emits a tone that is correlated to the conductivity of the feature.

3. PROCEDURE

ECG personnel began with a utility survey utilizing active detection with the RD-7000+. This is done by directing hooking up to known surface features across the site such as lamp posts, electric / communication boxes, and valves. The surveyor then performed a passive scan with the RD-7000+ receiver to detect any energized utilities that may have not been located with the active scan. Any detected utilities were then marked in the field.

ECG personnel then walked across the survey area with the TW-6 in 3-5 foot spacing increments. The approximate size and shape of any conductive targets detected was then marked in white and will be further investigated with GPR.

GPR was then utilized to confirm the approximate depth of any utilities detected with the RD-7000+ and the size, shape, and depth of any anomalies located with the TW-6. ECG personnel then scanned the remaining portions of the property in 3-5 foot spacing increments for any other anomalous features or utilities not detected with the RD-7000+ or TW-6.

4. RESULTS

- Underground Utilities – All utilities were marked in APWA designated colors. Note water and natural gas servicing the car wash building exit north onto Baltic Street outside of the survey area.
 - Electric (Red) – 1-3' bgs
 - Telecommunications (Orange) – 2-3' bgs
 - Storm Sewer (Green) – 1-4' bgs
 - Sanitary Sewer (Green) 3-6' bgs
 - Product / Vent Piping (Pink) 2-3' bgs
 - Unknown (Pink)
- Metallic Anomalies / UST's – No metallic anomalies consistent with orphan UST's were detected throughout accessible areas of the survey area. Two known UST's associated with the former fueling activities at the site are located beneath the canopy.
- Former Excavations – GPR transects throughout accessible areas of the property did not image any soil disturbances consistent with former excavations.

A site map (020123) is attached portraying all detected subsurface features.

5. SITE LIMITATIONS

- Ground Penetrating Radar – GPR depth of penetration was limited to 1-3 feet bgs. The limiting factor was signal attenuation from near surface soils and reinforced concrete.

- Vehicles, jersey barriers, and miscellaneous debris were located beneath the canopy and west of the station building preventing ECG personnel from thoroughly surveying this area. There is a potential for additional piping or unknown anomalies to be located in this area.
- Vehicles were parked on the sidewalks surrounding the site preventing ECG from surveying the area for potential anomalies.

6. DISCLAIMER

The limitations of a geophysical survey from both the site and equipment are important to consider when performing intrusive work at a survey site. The equipment is unable to maintain a constant depth of penetration or a constant level of effectiveness over the course of a survey due to subsurface and environmental conditions. The results provided both in this report and in the field should be used in conjunction with other methods including but not limited to, site plans, as-builts, sanborn maps, field observations, public-mark out services, soft-digging, pre-clearing, and historical documentation of the site. No survey or survey method can accurately show an exact image of all subsurface conditions. The presence of non-detectable subsurface utilities and structures is always a risk at any site. Please take caution when proceeding with invasive work.



SITE

151-159 3RD AVENUE
BROOKLYN
NEW YORK

CLIENT

COASTAL
ENVIRONMENTAL
SOLUTIONS, INC.

DRAWING NO.

020123

PROJECT NO.

SHEET NO.

1 OF 1



DATE

02/01/2023

SCALE

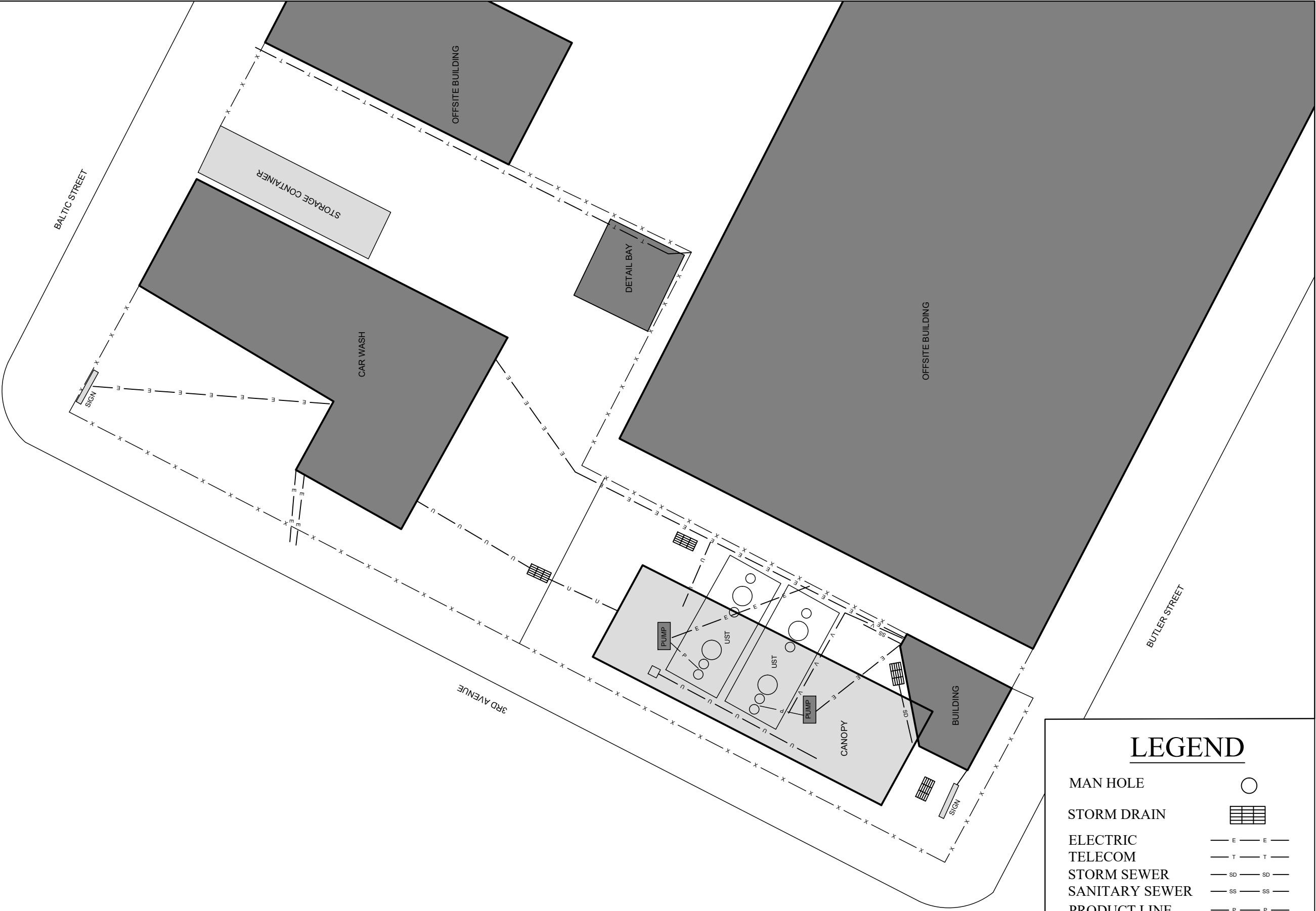
1" : 20'

DRAWN

M. MESAROS

NOTES:

East Coast Geophysics, Inc. shall not be liable for damages of any kind arising out of the use of this information. Drawings are georeferenced based on satellite imagery and are not considered to be survey quality. These drawings are intended to be used as reference only.



LEGEND

- MAN HOLE
- STORM DRAIN
- ELECTRIC
- TELECOM
- STORM SEWER
- SANITARY SEWER
- PRODUCT LINE
- VENT



GRAPHIC SCALE IN FEET

APPENDIX B

Soil Boring Logs



HA-01

Page 1 of 1

PROJECT	556 Baltic Street Site		204090
LOCATION	556 Baltic Street, Brooklyn, New York	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP.	S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions	DATE STARTED	2/8/2023
DRILLER	P. Slavin	DATE FINISHED	2/8/2023

Elevation		ft.	Datum		Boring Location							See Plan	
Item	Casing		Sampler	Core Barrel	Rig Make & Model			6610DT	Hammer Type		Drilling Mud		Casing Advance
Type					☐ Truck	☐ Tripod	☐ Cat-Head		☐ Safety	☐ Bentonite	Type Method Depth		
Inside Diameter (in.)					☐ ATV	☒ Geoprobe	☐ Winch		☐ Doughnut	☐ Polymer	DP		
Hammer Weight (lb.)					☒ Track	☐ Air Track	☐ Roller Bit	☐ Automatic	☐ None				
Hammer Fall (in.)					☐ Skid	☐ Other	☐ Cutting Head	Drilling Notes:					

[illegible]

Water Level Data						Sample ID	Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe	Overburden (Linear ft.)	20
			Bottom of Casing	Bottom of Hole	Water		Rock Cored (Linear ft.)	-
							Number of Samples	4
							BORING NO. HA-01	

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEYALDRICH GEOPROBE BORING REPORT										BORING NO. HA-02							
										Page 1 of 1							
PROJECT		556 Baltic Street Site						204090									
LOCATION		556 Baltic Street, Brooklyn, New York						PROJECT MGR. L. McCartney									
CLIENT		159 Third Realty LLC						FIELD REP. S. Sotomayor									
CONTRACTOR		Coastal Environmental Solutions						DATE STARTED 2/8/2023									
DRILLER		P. Slavin						DATE FINISHED 2/8/2023									
Elevation		ft.		Datum		Boring Location See Plan											
Item		Casing		Sampler		Core Barrel		Rig Make & Model		6610 DT		Hammer Type		Drilling Mud		Casing Advance	
Type								☐ Truck ☐ Tripod ☐ Cat-Head				☐ Safety		☐ Bentonite		Type Method Depth	
Inside Diameter (in.)								☐ ATV ☒ Geoprobe ☐ Winch				☐ Doughnut		☐ Polymer		DP	
Hammer Weight (lb.)								☒ Track ☐ Air Track ☐ Roller Bit				☐ Automatic		☐ None			
Hammer Fall (in.)								☐ Skid ☐ Other ☐ Cutting Head				Drilling Notes:					
Depth (ft.)		Recovery (ft)		PID (ppm)		Sample Depth (ft)		Sample ID		Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)							
0				0.0						Brown to dark brown fine SAND. Concrete, brick, and asphalt fragments, moist. (FILL)							
1																	
2		40/60				2-4'		HA-02 (2-4')									
3																	
4										Dark brown fine SAND. Brick, asphalt, and wood fragments, moist. (FILL)							
5				0.0													
6						6-8'		HA-02 (6-8')									
7		42/60															
8										Gray coarse SAND. Brick, glass, and metal fragments, moist. (FILL)							
9																	
10				0.0		10-12'		HA-02 (10-12')									
11																	
12		45/60								Gray coarse SAND. Brick, glass, and metal fragments, moist. (FILL)							
13																	
14						14-16'		HA-02 (14-16')									
15				0.0													
16										Groundwater at approximately 15 ft Gray coarse SAND. Brick, glass, and metal fragments, wet. (FILL)							
17		36/60															
18																	
19																	
20										END OF BORING AT 20 FT							
Water Level Data										Sample ID				Summary			
Date		Time		Elapsed Time (hr.)		Depth in feet to:				O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe				Overburden (Linear ft.) 20			
						Bottom of Casing								Rock Cored (Linear ft.) -			
						Bottom of Hole								Number of Samples 4			
						Water											
*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.										BORING NO. HA-02							
Form #3000										NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.							



HA-03

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PROJECT	556 Baltic Street Site		204090
LOCATION	556 Baltic Street, Brooklyn, New York	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP.	S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions	DATE STARTED	2/10/2023
DRILLER	P. Slavin	DATE FINISHED	2/10/2023

Elevation		ft.	Datum		Boring Location							See Plan	
Item	Casing		Sampler	Core Barrel	Rig Make & Model			6610 DT	Hammer Type		Drilling Mud		Casing Advance
Type					☐ Truck	☐ Tripod	☐ Cat-Head		☐ Safety	☐ Bentonite	Type Method Depth		
Inside Diameter (in.)					☐ ATV	☒ Geoprobe	☐ Winch		☐ Doughnut	☐ Polymer	DP		
Hammer Weight (lb.)					☒ Track	☐ Air Track	☐ Roller Bit	☐ Automatic	☐ None				
Hammer Fall (in.)					☐ Skid	☐ Other	☐ Cutting Head	Drilling Notes:					

[illegible]

Water Level Data						Sample ID	Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O T U S G Open End Rod Thin Wall Tube Undisturbed Sample Split Spoon Sample Geoprobe	Overburden (Linear ft.)	20
			Bottom of Casing	Bottom of Hole	Water		Rock Cored (Linear ft.)	-
							Number of Samples	4
							BORING NO.	HA-03

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



HA-04

Page 1 of 1

PROJECT	556 Baltic Street Site		204090
LOCATION	556 Baltic Street, Brooklyn, New York	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP.	S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions	DATE STARTED	2/2/2023
DRILLER	P. Slavin	DATE FINISHED	2/2/2023

Elevation		ft.	Datum		Boring Location							See Plan	
Item	Casing		Sampler	Core Barrel	Rig Make & Model			Sonic CRS-XL-140 DUO			Hammer Type	Drilling Mud	Casing Advance
Type					☐ Truck	☐ Tripod	☐ Cat-Head	☐ Safety	☐ Bentonite	Type Method Depth			
Inside Diameter (in.)					☐ ATV	☐ Geoprobe	☐ Winch	☐ Doughnut	☐ Polymer				
Hammer Weight (lb.)					☒ Track	☐ Air Track	☐ Roller Bit	☐ Automatic	☐ None	DP			
Hammer Fall (in.)					☐ Skid	☒ Other	☐ Cutting Head	Drilling Notes:					

[illegible]

Water Level Data						Sample ID	Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O T U S G Open End Rod Thin Wall Tube Undisturbed Sample Split Spoon Sample Geoprobe	Overburden (Linear ft.)	20
			Bottom of Casing	Bottom of Hole	Water		Rock Cored (Linear ft.)	-
							Number of Samples	5
							BORING NO. HA-04	

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH GEOPROBE BORING REPORT										BORING NO. HA-05													
										Page 1 of 1													
PROJECT		556 Baltic Street Site						204090															
LOCATION		556 Baltic Street, Brooklyn, New York						PROJECT MGR.		L. McCartney													
CLIENT		159 Third Realty LLC						FIELD REP.		S. Sotomayor													
CONTRACTOR		Coastal Environmental Solutions						DATE STARTED		2/2/2023													
DRILLER		P. Slavin						DATE FINISHED		2/2/2023													
Elevation		ft.		Datum		Boring Location See Plan																	
Item		Casing		Sampler		Core Barrel		Rig Make & Model		Sonic CRS-XL-140 DUO		Hammer Type		Drilling Mud		Casing Advance							
Type								☐ Truck		☐ Tripod		☐ Cat-Head		☐ Safety		☐ Bentonite		Type Method Depth					
Inside Diameter (in.)								☐ ATV		☐ Geoprobe		☐ Winch		☐ Doughnut		☐ Polymer		DP					
Hammer Weight (lb.)								☒ Track		☐ Air Track		☐ Roller Bit		☐ Automatic		☐ None							
Hammer Fall (in.)								☐ Skid		☒ Other		☐ Cutting Head		Drilling Notes:									
Depth (ft.)		Recovery (ft)		PID (ppm)		Sample Depth (ft)		Sample ID		Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)													
0				0.0						Dark brown to gray medium SAND with gravel. Concrete and brick fragments, moist. (FILL)													
1				0.0																			
2		30/60		0.0		2-4'		HA-05 (2-4')															
3				0.0						Brown fine to medium SAND. Brick and asphalt fragments, moist. (FILL)													
4				0.0																			
5				0.0						Brown to dark brown fine SAND with granular gravel. Brick fragments, moist. (FILL)													
6				0.0																			
7		40/60		0.0		6-8'		HA-05 (6-8') HA-05_6-8'_MS HA-05_6-8'_MSD		Dark brown fine SAND with gravel. Brick and asphalt fragments, moist. (FILL)													
8				0.0																			
9				0.0																			
10				0.0		10-12'		HA-05 (10-12')		Medium dense dark brown to gray fine SAND. Trace brick and asphalt fragments, moist. (FILL)													
11				0.0																			
12		50/60		0.0																			
13				0.0																			
14				0.0		14-16'		HA-05 (14-16')		Groundwater at approximately 15 ft													
15				0.0						Gray silty fine to medium SAND with rounded to angular fine grained gravel. Trace brick fragments, wet. (FILL)													
16				0.0																			
17		52/60		0.0																			
18				0.0																			
19				0.0																			
20										END OF BORING AT 20 FT													
Water Level Data										Sample ID				Summary									
Date		Time		Elapsed Time (hr.)		Depth in feet to:				O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe				Overburden (Linear ft.)				20					
						Bottom of Casing								Bottom of Hole		Water		Rock Cored (Linear ft.)				-	
																		Number of Samples				6	
														BORING NO.				HA-05					
										*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.													
Form #3000										NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.													



HA-08

PROJECT	556 Baltic Street Site
LOCATION	556 Baltic Street, Brooklyn, New York
CLIENT	159 Third Realty LLC
CONTRACTOR	Coastal Environmental Solutions
DRILLER	P. Slavin

PROJECT MGR.	<u>L. McCartney</u>
FIELD REP.	<u>S. Sotomayor</u>
DATE STARTED	<u>2/1/2023</u>
DATE FINISHED	<u>2/1/2023</u>

Elevation		ft.	Datum		Boring Location							See Plan	
Item	Casing		Sampler	Core Barrel	Rig Make & Model			Sonic CRS-XL-140 DUO			Hammer Type	Drilling Mud	Casing Advance
Type					☐ Truck	☐ Tripod	☐ Cat-Head	☐ Safety	☐ Bentonite	Type Method Depth			
Inside Diameter (in.)					☐ ATV	☐ Geoprobe	☐ Winch	☐ Doughnut	☐ Polymer				
Hammer Weight (lb.)					☒ Track	☐ Air Track	☐ Roller Bit	☐ Automatic	☐ None	DP			
Hammer Fall (in.)					☐ Skid	☒ Other	☐ Cutting Head	Drilling Notes:					

Water Level Data						Sample ID	Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe	Overburden (Linear ft.)	20
			Bottom of Casing	Bottom of Hole	Water		Rock Cored (Linear ft.)	-
							Number of Samples	4
							BORING NO. HA-08	

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



HA-09

PROJECT	556 Baltic Street Site			204090
LOCATION	556 Baltic Street, Brooklyn, New York	PROJECT MGR.		L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP.		S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions	DATE STARTED		2/9/2023
DRILLER	P. Slavin	DATE FINISHED		2/9/2023

[illegible]

Water Level Data						Sample ID	Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe	Overburden (Linear ft.)	20
			Bottom of Casing	Bottom of Hole	Water		Rock Cored (Linear ft.)	-
							Number of Samples	4
							BORING NO. HA-09	

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

Form #3000

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



HA-10

PROJECT	556 Baltic Street Site		204090
LOCATION	556 Baltic Street, Brooklyn, New York	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP.	S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions	DATE STARTED	2/8/2023
DRILLER	P. Slavin	DATE FINISHED	2/8/2023

[illegible]

Water Level Data						Sample ID	Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O T U S G Open End Rod Thin Wall Tube Undisturbed Sample Split Spoon Sample Geoprobe	Overburden (Linear ft.)	20
			Bottom of Casing	Bottom of Hole	Water		Rock Cored (Linear ft.)	-
							Number of Samples	4
							BORING NO. HA-10	

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

Form #3000

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



HA-11

PROJECT	556 Baltic Street Site	PROJECT MGR. FIELD REP. DATE STARTED DATE FINISHED	204090
LOCATION	556 Baltic Street, Brooklyn, New York		L. McCartney
CLIENT	159 Third Realty LLC		S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions		2/9/2023
DRILLER	P. Slavin		2/9/2023

Depth (ft.)	Recovery (ft)	PID (ppm)	Sample Depth (ft)	Sample ID	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0		0.0			
1		0.0			
2	48/60	0.0	2-4'	HA-11 (2-4')	
3		0.0			
4		0.0			
5		0.0			Concrete
6		0.0			Light brown fine SAND. Some pulverized concrete, moist. (FILL)
7	40/60	0.0	6-8'	HA-11 (6-8')	
8		0.0			Brown silty fine SAND with gravel. Trace asphalt fragments, moist. (FILL)
9		0.0			
10		0.0	10-12'	HA-11 (10-12')	
11		0.0			Brown to gray silty fine SAND with angular gravel, moist (FILL)
12	40/60	0.0			
13		0.0			
14		0.0			
15		0.0	14-16'	HA11 (14-16')	Groundwater at approximately 15 ft
16		0.0			Gray silty fine SAND with angular gravel, wet (FILL)
17	44/60	0.0			
18		0.0			
19		0.0			
20					END OF BORING AT 20 FT

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.	
Form #3000	NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



HA-13

PROJECT	556 Baltic Street Site		204090
LOCATION	556 Baltic Street, Brooklyn, New York	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP.	S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions	DATE STARTED	2/13/2023
DRILLER	P. Slavin	DATE FINISHED	2/13/2023

[illegible]

Water Level Data						Sample ID	Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe	Overburden (Linear ft.)	20
			Bottom of Casing	Bottom of Hole	Water		Rock Cored (Linear ft.)	-
							Number of Samples	4
							BORING NO. HA-13	

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

Form #3000

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



HA-15

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PROJECT	556 Baltic Street Site	PROJECT MGR. FIELD REP. DATE STARTED DATE FINISHED	204090
LOCATION	556 Baltic Street, Brooklyn, New York		L. McCartney
CLIENT	159 Third Realty LLC		S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions		2/1/2023
DRILLER	P. Slavin		2/1/2023

Elevation		ft.	Datum		Boring Location							See Plan	
Item	Casing		Sampler	Core Barrel	Rig Make & Model			Sonic CRS-XL-140 DUO			Hammer Type	Drilling Mud	Casing Advance
Type					☐ Truck	☐ Tripod	☐ Cat-Head	☐ Safety	☐ Bentonite	Type Method Depth			
Inside Diameter (in.)					☐ ATV	☐ Geoprobe	☐ Winch	☐ Doughnut	☐ Polymer				
Hammer Weight (lb.)					☒ Track	☐ Air Track	☐ Roller Bit	☐ Automatic	☐ None	DP			
Hammer Fall (in.)					☐ Skid	☒ Other	☐ Cutting Head	Drilling Notes:					

[illegible]

Water Level Data						Sample ID	Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe	Overburden (Linear ft.)	20
			Bottom of Casing	Bottom of Hole	Water		Rock Cored (Linear ft.)	-
							Number of Samples	4
							BORING NO. HA-15	

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**



HA-16

Page 1 of 1

Elevation		ft.	Datum		Boring Location							See Plan					
Item	Casing		Sampler		Core Barrel		Rig Make & Model		Sonic CRS-XL-140 DUO			Hammer Type		Drilling Mud		Casing Advance	
Type							☐ Truck	☐ Tripod	☐ Cat-Head		☐ Safety	☐ Bentonite		Type Method Depth			
Inside Diameter (in.)							☐ ATV	☐ Geoprobe	☐ Winch		☐ Doughnut	☐ Polymer		DP			
Hammer Weight (lb.)							☒ Track	☐ Air Track	☐ Roller Bit		☐ Automatic	☐ None					
Hammer Fall (in.)							☐ Skid	☒ Other	☐ Cutting Head		Drilling Notes:						

Water Level Data						Sample ID	Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe	Overburden (Linear ft.)	20
			Bottom of Casing	Bottom of Hole	Water		Rock Cored (Linear ft.)	-
							Number of Samples	4
							BORING NO. HA-16	

Form #3000

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



HA-17

PROJECT	556 Baltic Street Site			204090
LOCATION	556 Baltic Street, Brooklyn, New York	PROJECT MGR.		L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP.		S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions	DATE STARTED		2/8/2023
DRILLER	P. Slavin	DATE FINISHED		2/8/2023

[illegible]

Water Level Data						Sample ID	Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe	Overburden (Linear ft.)	20
			Bottom of Casing	Bottom of Hole	Water		Rock Cored (Linear ft.)	-
							Number of Samples	4
							BORING NO. HA-17	

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

Form #3000

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



HA-18

Page 1 of 1

Elevation		ft.	Datum		Boring Location								See Plan				
Item	Casing		Sampler		Core Barrel		Rig Make & Model			420M		Hammer Type		Drilling Mud		Casing Advance	
Type							☐ Truck	☐	Tripod	☐	Cat-Head	☐ Safety	☐	Bentonite	Type Method Depth		
Inside Diameter (in.)							☐ ATV	☐	Geoprobe	☐	Winch	☐ Doughnut	☐	Polymer	DP		
Hammer Weight (lb.)							☒ Track	☐	Air Track	☐	Roller Bit	☐ Automatic	☐	None			
Hammer Fall (in.)							☐ Skid	☒	Other	☐	Cutting Head	Drilling Notes:					

Water Level Data						Sample ID	Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe	Overburden (Linear ft.)	20
			Bottom of Casing	Bottom of Hole	Water		Rock Cored (Linear ft.)	-
							Number of Samples	4
							BORING NO. HA-18	

Form #3000

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



HA-19

PROJECT	556 Baltic Street Site
LOCATION	556 Baltic Street, Brooklyn, New York
CLIENT	159 Third Realty LLC
CONTRACTOR	Coastal Environmental Solutions
DRILLER	P. Slavin

PROJECT MGR.	<u>L. McCartney</u>
FIELD REP.	<u>S. Sotomayor</u>
DATE STARTED	<u>2/8/2023</u>
DATE FINISHED	<u>2/8/2023</u>

Elevation		ft.	Datum		Boring Location							See Plan		
Item	Casing		Sampler	Core Barrel	Rig Make & Model			6620 DT	Hammer Type		Drilling Mud		Casing Advance	
Type					☐ Truck	☐ Tripod	☐ Cat-Head	☐ Safety	☐ Bentonite	Type Method Depth				
Inside Diameter (in.)					☐ ATV	☒ Geoprobe	☐ Winch	☐ Doughnut	☐ Polymer	DP				
Hammer Weight (lb.)					☒ Track	☐ Air Track	☐ Roller Bit	☐ Automatic	☐ None					
Hammer Fall (in.)					☐ Skid	☐ Other	☐ Cutting Head	Drilling Notes:						

Water Level Data						Sample ID		Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe	Overburden (Linear ft.)		
			Bottom of Casing	Bottom of Hole	Water			25	
							Rock Cored (Linear ft.)		
							Number of Samples		
							BORING NO.		
						HA-19			

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



HA-20

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PROJECT	556 Baltic Street Site	PROJECT MGR. FIELD REP. DATE STARTED DATE FINISHED	204090
LOCATION	556 Baltic Street, Brooklyn, New York		L. McCartney
CLIENT	159 Third Realty LLC		S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions		2/10/2023
DRILLER	P. Slavin		2/10/2023

Elevation		ft.	Datum		Boring Location							See Plan	
Item	Casing		Sampler	Core Barrel	Rig Make & Model			6610 DT	Hammer Type		Drilling Mud		Casing Advance
Type					☐ Truck	☐ Tripod	☐ Cat-Head		☐ Safety	☐ Bentonite	Type Method Depth		
Inside Diameter (in.)					☐ ATV	☒ Geoprobe	☐ Winch		☐ Doughnut	☐ Polymer	DP		
Hammer Weight (lb.)					☒ Track	☐ Air Track	☐ Roller Bit		☐ Automatic	☐ None			
Hammer Fall (in.)					☐ Skid	☐ Other	☐ Cutting Head	Drilling Notes:					

[illegible]

Water Level Data						Sample ID	Summary		
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O T U S G Open End Rod Thin Wall Tube Undisturbed Sample Split Spoon Sample Geoprobe	Overburden (Linear ft.)		
			Bottom of Casing	Bottom of Hole	Water				
							Rock Cored (Linear ft.)		
							Number of Samples		
							BORING NO. HA-20		

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

Form #3000

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



HA-21

PROJECT	556 Baltic Street Site			204090
LOCATION	556 Baltic Street, Brooklyn, New York	PROJECT MGR.		L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP.		S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions	DATE STARTED		2/8/2023
DRILLER	P. Slavin	DATE FINISHED		2/8/2023

[illegible]

Water Level Data						Sample ID	Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe	Overburden (Linear ft.)	25
			Bottom of Casing	Bottom of Hole	Water		Rock Cored (Linear ft.)	-
							Number of Samples	5
							BORING NO. HA-21	

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH GEOPROBE BORING REPORT												BORING NO. HA-22										
												Page1of3										
PROJECT		556 Baltic Street Site										204090										
LOCATION		556 Baltic Street, Brooklyn, New York										PROJECT MGR.		L. McCartney								
CLIENT		159 Third Realty LLC										FIELD REP.		A. Stewart/H. Russell								
CONTRACTOR		Coastal Environmental Solutions										DATE STARTED		2/27/2023								
DRILLER		P. Slavin										DATE FINISHED		2/27/2023								
Elevation		ft.		Datum		Boring LocationSouth side of lot																
Item		Casing		Sampler		Core Barrel		Rig Make & ModelSonic CRS-XL-140 DUO				Hammer Type		Drilling Mud		Casing Advance						
Type				3"				☐ Truck ☐ Tripod ☐ Cat-Head		☐ Safety		☐ Bentonite		Type Method Depth								
Inside Diameter (in.)								☐ ATV ☐ Geoprobe ☐ Winch		☐ Doughnut		☐ Polymer		Sonic								
Hammer Weight (lb.)								☒ Track ☐ Air Track ☐ Roller Bit		☐ Automatic		☐ None										
Hammer Fall (in.)								☐ Skid ☒ Other ☒ Cutting Head		Drilling Notes:												
Depth (ft.)		Recovery (ft)		PID (ppm)		Sample ID		Sample Depth (ft)		Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)												
0				0.0						Very loose brown to gray fine SAND, some clay, trace silt, trace fine gravel, brick, moist (FILL)												
1				0.0																		
2		30/60		0.0																		
3				0.0																		
4				0.0																		
5				0.0						Very loose brown fine SAND, some medium sand, trace fine gravel, moist (FILL)												
6				0.0																		
7		22/60		0.0																		
8				0.0																		
9				0.0																		
10				0.3						Very loose fine SAND, some clay, some silt, trace fine gravel, moist, petroleum-like odor (FILL)												
11				0.2																		
12		35/60		0.1																		
13				0.0																		
14				0.0																		
15				0.0						Very loose clayey fine SAND, some silt, trace fine gravel, brick, shell fragment, wet (FILL)												
16				0.0																		
17		26/60		0.0																		
18				0.0																		
19				0.0																		
20				0.0						Very loose clayey fine SAND, trace silt, trace fine gravel, trace coarse gravel, well-rounded, wet (SC)												
21				0.0																		
22		31/60		0.0																		
23				0.0																		
24				0.0																		
25				0.0						Very loose clayey fine SAND, trace silt, trace fine gravel, trace coarse gravel, well-rounded, wet (SC)												
26				0.0																		
27		26/60		0.0																		
28				0.0																		
29				0.0																		
30				0.0																		
Water Level Data								Sample ID				Summary										
Date		Time		Elapsed Time (hr.)		Depth in feet to:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe				Overburden (Linear ft.)				100					
						Bottom of Casing							Bottom of Hole		Water		Rock Cored (Linear ft.)				-	
																	Number of Samples				20	
																	BORING NO.				HA-22	
*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.																						
NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.																						
Form #3000																						

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HALEY ALDRICH GEOPROBE BORING REPORT					BORING NO. HA-22	
					Page2of3	
Depth (ft.)	Recovery (ft)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	
30		0.1		0-26"	Soft dark brown to gray organic CLAY, moist (OH)	
31		0.2				
32	38/60	0.5		26-38"	Loose gray fine SAND, some silt, wet (SM)	
33		0.0				
34		0.0				
35		0.0			Loose gray fine SAND, some silt, wet (SM)	
36		0.0				
37		0.0				
38		0.0			Shake test at 38-40 ft: negative, drove and set casing at 40 ft, sample and case every 10 ft to 100 ft.	
39		0.0				
40	33/60	0.0			Very loose gray fine SAND, trace medium sand, trace fine gravel, well-rounded, shell fragments, wet (SP)	
41		0.0				
42		0.0				
43		0.0				
44		0.0				
45	33/60	0.0			Loose to dense reddish-brown fine SAND, trace clay, moist (SP-SC)	
46		0.0				
47		0.0				
48		0.0				
49		0.0				
50		0.0			Very loose reddish-brown fine SAND, trace silt, wet (SW-SM), clay lense at ~28 in.	
51	33/60	0.0				
52		0.0				
53		0.0				
54		0.0				
55		0.0			Very loose reddish-brown fine SAND, wet (SP)	
56		0.0			Shake test at 58 to 60 ft: negative	
57	36/60	0.0				
58		0.0				
59		0.0				
60		0.0		0-12"	Very loose reddish-brown fine SAND, wet (SP)	
61		0.0		12-36"		
62	60/60	0.0				
63		0.0				
64		0.0				
65		0.0			Soft reddish-brown SILT, trace fine sand (wet) (ML)	
66		0.0				
67	60/60	0.0				
68		0.0				
69		0.0		0-19"	Loose reddish-brown SILT, trace fine sand, wet (ML)	
70				19-31"	Shake test at 68 to 70 ft, negative	
NOTES:					FILE NO.	204090
					BORING NO.	HA-23
*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.						
NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.						



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NOTES:	FILE NO.	204090	BORING NO.	HA-23
*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.				
NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.				

HALEY ALDRICH GEOPROBE BORING REPORT												BORING NO. HA-23									
												Page 1 of 3									
PROJECT		556 Baltic Street Site										204090									
LOCATION		556 Baltic Street, Brooklyn, New York										PROJECT MGR.		M. Conlon							
CLIENT		159 Third Realty LLC										FIELD REP.		S. Sotomayor							
CONTRACTOR		Coastal Environmental Solutions										DATE STARTED		2/3/2023							
DRILLER		P. Slavin										DATE FINISHED		2/3/2023							
Elevation		ft.		Datum		Boring Location		See Plan													
Item		Casing		Sampler		Core Barrel		Rig Make & Model		Sonic CRS-XL-140 DUO		Hammer Type		Drilling Mud		Casing Advance					
Type								☐ Truck		☐ Tripod		☐ Cat-Head		☐ Safety		☐ Bentonite		Type Method Depth			
Inside Diameter (in.)								☐ ATV		☒ Geoprobe		☐ Winch		☐ Doughnut		☐ Polymer		Sonic			
Hammer Weight (lb.)								☒ Track		☐ Air Track		☐ Roller Bit		☐ Automatic		☐ None					
Hammer Fall (in.)								☐ Skid		☐ Other		☐ Cutting Head		Drilling Notes:							
Depth (ft.)		Recovery (ft)		PID (ppm)		Sample ID		Sample Depth (ft)		Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)											
0				0.0				0-3		Gray fine SAND, some gravel. Concrete and asphalt fragments present, moist (FILL)											
1				0.0																	
2		36/60		0.0																	
3				0.0																	
4				0.0																	
5				0.0				5-8		Brown fine to medium SAND, some gravel. Brick and asphalt fragments, moist (FILL)											
6				0.0																	
7		36/60		0.0																	
8				0.0				8-10		Dark brown fine SAND, some gravel. Brick fragments, moist (FILL)											
9				0.0																	
10				0.0				10-14		Medium-dense gray to brown silty fine SAND, trace fine gravel, moist (FILL)											
11				0.0																	
12		36/60		0.0																	
13				0.0																	
14				0.0																	
15				0.0				15-20		Groundwater at approximately 15 ft Brown silty fine to medium SAND, some fine gravel. Brick fragments, moist (FILL)											
16				0.0																	
17		27/60		0.0																	
18				0.0																	
19				0.0																	
20				0.0				20-25		Gray silty fine SAND, some coarse gravel. Brick fragments present, wet (FILL)											
21				0.0																	
22		32/60		0.0																	
23				0.0																	
24				0.0																	
25				0.0				25-30		Gray silty fine SAND, some coarse angular gravel (wet) (SW)											
26				0.0																	
27		38/60		0.0																	
28				0.0																	
29				0.0																	
30				0.0																	
Water Level Data								Sample ID				Summary									
Date		Time		Elapsed Time (hr.)		Depth in feet to:		O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe				Overburden (Linear ft.)				100					
						Bottom of Casing						Bottom of Hole		Water		Rock Cored (Linear ft.)				-	
																Number of Samples				20	
																BORING NO.				HA-23	
*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.																					
NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.																					
Form #3000																					

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HALEY ALDRICH GEOPROBE BORING REPORT					BORING NO. HA-23	
					Page2of3	
Depth (ft.)	Recovery (ft)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	
30		0.0		30-32	Gray fine to medium SAND, some gravel, wet (SW)	
31		0.0			Shake test at 30 to 31 ft: negative	
32	60/60	0.0		32-34	Gray organic CLAY, wet (CL)	
33		0.0				
34		0.0		34-35	Gray fine SAND, trace coarse gravel, wet (SW)	
35		0.0		35-37	Gray fine SAND, trace coarse gravel, wet (SW)	
36		0.0				
37	60/60	0.0		37-39	Shake test at 37 to 38 ft: negative Gray organic CLAY, wet (CL)	
38		0.0				
39		0.0		39-40	Gray fine SAND, some fine gravel, trace coarse sand, wet (SW)	
40		0.0		40-42	Gray silty fine SAND, wet (SM)	
41		0.0				
42	60/60	0.0		42-44	Gray fine SAND, trace silt, wet (SM)	
43		0.0				
44		0.0		44-45	Gray silty fine SAND, trace clay, trace fine gravel, wet (SM)	
45		0.0		45-50	Gray to brown silty fine SAND, trace clay, wet (SM)	
46		0.0				
47	60/60	0.0				
48		0.0				
49		0.0				
50		0.0		50-55	Shake test at 50 to 51 ft: negative Brown-gray silty fine SAND, wet (SM)	
51		0.0				
52		0.0				
53	60/60	0.0				
54		0.0				
55		0.0		55-58	Brown-red silty fine SAND, wet (SM)	
56		0.0				
57	60/60	0.0				
58		0.0		58		
59		0.0		58-60	Brown silty fine SAND, wet (SM)	
		0.0			Shake test at 59 to 60 ft: negative	
60		0.0		60-63	Gray fine SAND, wet (SP)	
61		0.0				
62	60/60	0.0				
63		0.0		63-65	Gray silty fine SAND, wet (SM)	
64		0.0				
65		0.0		65-67	Gray silty fine SAND, wet (SM)	
66		0.0				
67	60/60	0.0		67-70	Gray fine SAND, wet (SP)	
68		0.0				
69		0.0				
70						
NOTES:				FILE NO.204090		BORING NO.HA-23
*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.						
NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.						



HA-23

[illegible]

NOTES:	FILE NO.	204090	BORING NO.	HA-23
*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.				
NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.				



PROJECT	556 Baltic Street Site	PROJECT MGR. FIELD REP. DATE STARTED DATE FINISHED	204090
LOCATION	556 Baltic Street, Brooklyn, New York		M. Conlon
CLIENT	159 Third Realty LLC		S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions		2/2/2023
DRILLER	P. Slavin		2/2/2023

[illegible]

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.	
Form #3000	NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



HA-25

Page 1 of 1

PROJECT	556 Baltic Street Site	PROJECT MGR. FIELD REP. DATE STARTED DATE FINISHED	204090
LOCATION	556 Baltic Street, Brooklyn, New York		M. Conlon
CLIENT	159 Third Realty LLC		S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions		2/2/2023
DRILLER	P. Slavin		2/2/2023

Elevation		ft.	Datum		Boring Location							See Plan
Item	Casing		Sampler	Core Barrel	Rig Make & Model			720	Hammer Type	Drilling Mud	Casing Advance	
Type					☐ Truck	☐ Tripod	☐ Cat-Head	☐ Safety	☐ Bentonite	Type Method Depth		
Inside Diameter (in.)					☐ ATV	☒ Geoprobe	☐ Winch	☐ Doughnut	☐ Polymer	Sonic		
Hammer Weight (lb.)					☒ Track	☐ Air Track	☐ Roller Bit	☐ Automatic	☐ None			
Hammer Fall (in.)					☐ Skid	☐ Other	☐ Cutting Head	Drilling Notes:				

[illegible]

Water Level Data						Sample ID	Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O T U S G Open End Rod Thin Wall Tube Undisturbed Sample Split Spoon Sample Geoprobe	Overburden (Linear ft.)	16
			Bottom of Casing	Bottom of Hole	Water			
							Number of Samples	3
							BORING NO. HA-25	

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

Form #3000

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



HA-26

Page 1 of 1

Elevation		ft.	Datum		Boring Location							See Plan
Item	Casing		Sampler	Core Barrel	Rig Make & Model			6610 DT	Hammer Type	Drilling Mud	Casing Advance	
Type					☐ Truck	☐ Tripod	☐ Cat-Head	☐ Safety	☐ Bentonite	Type Method Depth		
Inside Diameter (in.)					☐ ATV	☒ Geoprobe	☐ Winch	☐ Doughnut	☐ Polymer	DP		
Hammer Weight (lb.)					☒ Track	☐ Air Track	☐ Roller Bit	☐ Automatic	☐ None			
Hammer Fall (in.)					☐ Skid	☐ Other	☐ Cutting Head	Drilling Notes:				

Water Level Data						Sample ID	Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe	Overburden (Linear ft.)	20
			Bottom of Casing	Bottom of Hole	Water		Rock Cored (Linear ft.)	-
							Number of Samples	4
							BORING NO. HA-26	

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

APPENDIX C

Well Construction Diagram

PERMANENT WELL INSTALLATION REPORT

Well No.

MW-01

Boring No.

HA-01

PROJECT 556 Baltic Street Site

H&A FILE NO. 0204090

LOCATION 556 Baltic Street, Brooklyn NY

PROJECT MGR. L. McCartney

CLIENT 159 Third Realty LLC

FIELD REP. S. Sotomayor

CONTRACTOR Coastal Environmental Solutions

DATE INSTALLED 2/8/2023

DRILLER P. Slavin

WATER LEVEL 14.69

Ground El. 20.95 ft

Location 556 Baltic Street

Drilling Equipment

Guard Pipe ☐

El. Datum NAVD

Brooklyn, NY

Geoprobe 6610 DT

Roadway Box ☒

CONDITIONS

Type of protective cover/lock (circle one): Pent.bolt 9/16" hex. 1/2" hex. 7/10" hex.
Padlock key no. _____Height/Depth of top of guard pipe/roadway box _____ 0.0 ft
above/below ground surfaceHeight/Depth of top of riser pipe _____ 0.5 ft
above/below ground surface

Depth of bottom of guard pipe/roadway box _____ 1.0 ft

Type of riser pipe: _____ Solid PVC

Inside diameter of riser pipe _____ 2.0 in

Type of backfill around riser _____ #0 Filter Sand

Depth to top of well screen _____ 10.0 ft

Type of screen _____ Machine Slotted PVC

Screen gauge or size of openings _____ 0.010 in

Diameter of screen _____ 2.0 in

Depth of bottom of well screen _____ 20 ft

Depth of bottom of borehole _____ 20.3 ft

DTW: 14.69 ft

20 ft

(Bottom of Exploration)

(Numbers refer to depth from ground surface in feet)

(Not to Scale)

$$\begin{array}{ccccccc} 10 & \text{ft} & + & 10 & \text{ft} & = & 20 & \text{ft} \\ \text{Riser Pay Length (L1)} & & & \text{Length of Screen (L2)} & & & \text{Pay length} \end{array}$$

COMMENTS:

PERMANENT WELL INSTALLATION REPORT

Well No.

MW-02

Boring No.

HA-02

PROJECT	556 Baltic Street Site	H&A FILE NO.	204090
LOCATION	556 Baltic Street, Brooklyn NY	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP.	S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions	DATE INSTALLED	2/8/2023
DRILLER	P. Slavin	WATER LEVEL	15

Ground El.	21.23	ft	Location	556 Baltic Street	Drilling Equipment	Geoprobe 6610 DT	Guard Pipe	☐
El. Datum	NAVD			Brooklyn, NY			Roadway Box	☐

CONDITIONS	Type of protective cover/lock (circle one): Pent.bolt 9/16" hex. 1/2" hex. 7/10" hex. Padlock key no. _____	
DTW: 15 ft	Height/Depth of top of guard pipe/roadway box above/below ground surface	0.0 ft
	Height/Depth of top of riser pipe above/below ground surface	0.5 ft
	Depth of bottom of guard pipe/roadway box	1.0 ft
	Type of riser pipe:	Solid PVC
	Inside diameter of riser pipe	2.0 in
	Type of backfill around riser	#0 Filter Sand
	Depth to top of well screen	10.0 ft
	Type of screen	Machine Slotted PVC
	Screen gauge or size of openings	0.010 in
	Diameter of screen	2.0 in
Depth of bottom of well screen	20 ft	
Depth of bottom of borehole	20.3 ft	
(Bottom of Exploration) (Numbers refer to depth from ground surface in feet)		
(Not to Scale)		

$$\begin{array}{rcl} 10 & \text{ft} & + \\ \text{Riser Pay Length (L1)} & & \\ 10 & \text{ft} & + \\ \text{Length of Screen (L2)} & & \\ \hline 20 & \text{ft} & = \\ \text{Pay length} & & \end{array}$$

COMMENTS:

PERMANENT WELL INSTALLATION REPORT

Well No.

MW-03

Boring No.

HA-03

PROJECT 556 Baltic Street Site

H&A FILE NO. 204090

LOCATION 556 Baltic Street, Brooklyn NY

PROJECT MGR. L. McCartney

CLIENT 159 Third Realty LLC

FIELD REP. S. Sotomayor

CONTRACTOR Coastal Environmental Solutions

DATE INSTALLED 2/10/2023

DRILLER P. Slavin

WATER LEVEL 14.63

Ground El. 21.51 ft
El. Datum NAVDLocation 556 Baltic Street
Brooklyn, NYDrilling Equipment
Geoprobe 6610 DTGuard Pipe ☐
Roadway Box ☐

CONDITIONS

Type of protective cover/lock (circle one): Pent.bolt 9/16" hex. 1/2" hex. 7/10" hex.
Padlock key no. _____Height/Depth of top of guard pipe/roadway box _____ 0.0 ft
above/below ground surfaceHeight/Depth of top of riser pipe _____ 0.5 ft
above/below ground surface

Depth of bottom of guard pipe/roadway box _____ 1.0 ft

Type of riser pipe: _____ Solid PVC

Inside diameter of riser pipe _____ 2.0 in

Type of backfill around riser _____ #0 Filter Sand

Depth to top of well screen _____ 10.0 ft

Type of screen _____ Machine Slotted PVC

Screen gauge or size of openings _____ 0.010 in

Diameter of screen _____ 2.0 in

Depth of bottom of well screen _____ 20 ft

Depth of bottom of borehole _____ 20.3 ft

DTW: 14.63 ft

20 ft

(Bottom of Exploration)

(Numbers refer to depth from ground surface in feet)

(Not to Scale)

$$\begin{array}{ccccccc} 10 & \text{ft} & + & 10 & \text{ft} & = & 20 & \text{ft} \\ \text{Riser Pay Length (L1)} & & & \text{Length of Screen (L2)} & & & \text{Pay length} \end{array}$$

COMMENTS:

PERMANENT WELL INSTALLATION REPORT

Well No.

MW-04

Boring No.

HA-04

PROJECT 556 Baltic Street Site

H&A FILE NO. 204090

LOCATION 556 Baltic Street, Brooklyn NY

PROJECT MGR. L. McCartney

CLIENT 159 Third Realty LLC

FIELD REP. S. Sotomayor

CONTRACTOR Coastal Environmental Solutions

DATE INSTALLED 2/2/2023

DRILLER P. Slavin

WATER LEVEL 15.31

Ground El. 21.77 ft

Location 556 Baltic Street

Drilling Equipment

Guard Pipe ☐

El. Datum NAVD

Brooklyn, NY

Sonic - Eijkelpamp CRS-XL-140 Duo

Roadway Box ☐

CONDITIONS

Type of protective cover/lock (circle one): Pent.bolt 9/16" hex. 1/2" hex. 7/10" hex.
Padlock key no. _____Height/Depth of top of guard pipe/roadway box _____ 0.0 ft
above/below ground surfaceHeight/Depth of top of riser pipe _____ 0.5 ft
above/below ground surface

Depth of bottom of guard pipe/roadway box _____ 1.0 ft

Type of riser pipe: _____ Solid PVC

Inside diameter of riser pipe _____ 2.0 in

Type of backfill around riser _____ #0 Filter Sand

Depth to top of well screen _____ 10.0 ft

Type of screen _____ Machine Slotted PVC

Screen gauge or size of openings _____ 0.010 in

Diameter of screen _____ 2.0 in

Depth of bottom of well screen _____ 20 ft

Depth of bottom of borehole _____ 20.3 ft

DTW: 15.31 ft

20 ft

(Bottom of Exploration)

(Numbers refer to depth from ground surface in feet)

(Not to Scale)

$$\begin{array}{ccccccc} 10 & \text{ft} & + & 10 & \text{ft} & = & 20 & \text{ft} \\ \text{Riser Pay Length (L1)} & & & \text{Length of Screen (L2)} & & & \text{Pay length} \end{array}$$

COMMENTS:

PERMANENT WELL INSTALLATION REPORT

Well No.

MW-05

Boring No.

HA-05

PROJECT 556 Baltic Street Site

H&A FILE NO. 204090

LOCATION 556 Baltic Street, Brooklyn NY

PROJECT MGR. L. McCartney

CLIENT 159 Third Realty LLC

FIELD REP. S. Sotomayor

CONTRACTOR Coastal Environmental Solutions

DATE INSTALLED 2/2/2023

DRILLER P. Slavin

WATER LEVEL 14.92

Ground El. 22.04 ft

Location 556 Baltic Street

Drilling Equipment

Guard Pipe ☐

El. Datum NAVD

Brooklyn, NY

Sonic - Eijkelpamp CRS-XL-140 Duo

Roadway Box ☐

CONDITIONS

Type of protective cover/lock (circle one): Pent.bolt 9/16" hex. 1/2" hex. 7/10" hex.
Padlock key no. _____Height/Depth of top of guard pipe/roadway box _____ 0.0 ft
above/below ground surfaceHeight/Depth of top of riser pipe _____ 0.5 ft
above/below ground surface

Depth of bottom of guard pipe/roadway box _____ 1.0 ft

Type of riser pipe: _____ Solid PVC

Inside diameter of riser pipe _____ 2.0 in

Type of backfill around riser _____ #0 Filter Sand

Depth to top of well screen _____ 10.0 ft

Type of screen _____ Machine Slotted PVC

Screen gauge or size of openings _____ 0.010 in

Diameter of screen _____ 2.0 in

Depth of bottom of well screen _____ 20 ft

Depth of bottom of borehole _____ 20.3 ft

DTW: 14.92 ft

20 ft

(Bottom of Exploration)

(Numbers refer to depth from ground surface in feet)

(Not to Scale)

$$\begin{array}{ccccccc} 10 & \text{ft} & + & 10 & \text{ft} & = & 20 & \text{ft} \\ \text{Riser Pay Length (L1)} & & & \text{Length of Screen (L2)} & & & \text{Pay length} \end{array}$$

COMMENTS:

PERMANENT WELL INSTALLATION REPORT

Well No.

MW-06

Boring No.

HA-06

PROJECT 556 Baltic Street Site
 LOCATION 556 Baltic Street, Brooklyn NY
 CLIENT 159 Third Realty LLC
 CONTRACTOR Coastal Environmental Solutions
 DRILLER P. Slavin

H&A FILE NO. 204090
 PROJECT MGR. L. McCartney
 FIELD REP. S. Sotomayor
 DATE INSTALLED 2/1/2023
 WATER LEVEL 15.53

Ground El. 22.21 ft
 El. Datum NAVD
 Location 556 Baltic Street
 Brooklyn, NY
 Drilling Equipment Sonic - Eijkelpamp CRS-XL-140 Duo
 Guard Pipe ☐
 Roadway Box ☐

CONDITIONS	
DTW: 15.53 ft 20 ft (Bottom of Exploration) (Numbers refer to depth from ground surface in feet)	Type of protective cover/lock (circle one): Pent.bolt 9/16" hex. 1/2" hex. 7/10" hex. Padlock key no. _____ Height/Depth of top of guard pipe/roadway box above/below ground surface 0.0 ft Height/Depth of top of riser pipe above/below ground surface 0.5 ft Depth of bottom of guard pipe/roadway box 1.0 ft Type of riser pipe: Solid PVC Inside diameter of riser pipe 2.0 in Type of backfill around riser #0 Filter Sand Depth to top of well screen 10.0 ft Type of screen Machine Slotted PVC Screen gauge or size of openings 0.010 in Diameter of screen 2.0 in Depth of bottom of well screen 20 ft Depth of bottom of borehole 20.3 ft
	10 ft + 10 ft = 20 ft Riser Pay Length (L1) Length of Screen (L2) Pay length

COMMENTS:

PERMANENT WELL INSTALLATION REPORT

Well No.

MW-07

Boring No.

HA-07

PROJECT	556 Baltic Street Site	H&A FILE NO.	204090
LOCATION	556 Baltic Street, Brooklyn NY	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP.	S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions	DATE INSTALLED	2/9/2023
DRILLER	P. Slavin	WATER LEVEL	14.97

Ground El.	21.93	ft	Location	556 Baltic Street	Drilling Equipment	Geoprobe 6610 DT	Guard Pipe	☐
El. Datum	NAVD			Brooklyn, NY			Roadway Box	☐

CONDITIONS		Type of protective cover/lock (circle one):	Pent.bolt 9/16" hex.	1/2" hex.	7/10" hex.
			Padlock key no. _____		
		Height/Depth of top of guard pipe/roadway box above/below ground surface	0.0	ft	
		Height/Depth of top of riser pipe above/below ground surface	0.5	ft	
		Depth of bottom of guard pipe/roadway box	1.0	ft	
		Type of riser pipe:	Solid PVC		
		Inside diameter of riser pipe	2.0	in	
		Type of backfill around riser	#0 Filter Sand		
		Depth to top of well screen	10.0	ft	
		Type of screen	Machine Slotted PVC		
		Screen gauge or size of openings	0.010	in	
		Diameter of screen	2.0	in	
		Depth of bottom of well screen	20	ft	
		Depth of bottom of borehole	20.3	ft	
		(Not to Scale)			

DTW: 14.97 ft

20 ft

(Bottom of Exploration)
(Numbers refer to depth from ground surface in feet)

10 ft + 10 ft = 20 ft

Riser Pay Length (L1) Length of Screen (L2) Pay length

COMMENTS:

PERMANENT WELL INSTALLATION REPORT

Well No.

MW-08

Boring No.

HA-08

PROJECT 556 Baltic Street Site

H&A FILE NO. 204090

LOCATION 556 Baltic Street, Brooklyn NY

PROJECT MGR. L. McCartney

CLIENT 159 Third Realty LLC

FIELD REP. S. Sotomayor

CONTRACTOR Coastal Environmental Solutions

DATE INSTALLED 2/1/2023

DRILLER P. Slavin

WATER LEVEL 15.65

Ground El. 22.31 ft

Location 556 Baltic Street

Drilling Equipment

Guard Pipe ☐

El. Datum NAVD

Brooklyn, NY

Sonic - Eijkelpamp CRS-XL-140 Duo

Roadway Box ☐

CONDITIONS

Type of protective cover/lock (circle one): Pent.bolt 9/16" hex. 1/2" hex. 7/10" hex.
Padlock key no. _____Height/Depth of top of guard pipe/roadway box _____ 0.0 ft
above/below ground surfaceHeight/Depth of top of riser pipe _____ 0.5 ft
above/below ground surface

Depth of bottom of guard pipe/roadway box _____ 1.0 ft

Type of riser pipe: _____ Solid PVC

Inside diameter of riser pipe _____ 2.0 in

Type of backfill around riser _____ #0 Filter Sand

Depth to top of well screen _____ 10.0 ft

Type of screen _____ Machine Slotted PVC

Screen gauge or size of openings _____ 0.010 in

Diameter of screen _____ 2.0 in

Depth of bottom of well screen _____ 20 ft

Depth of bottom of borehole _____ 20.3 ft

DTW: 15.65 ft

20 ft

(Bottom of Exploration)

(Numbers refer to depth from ground surface in feet)

(Not to Scale)

$$\begin{array}{ccccccc} 10 & \text{ft} & + & 10 & \text{ft} & = & 20 & \text{ft} \\ \text{Riser Pay Length (L1)} & & & \text{Length of Screen (L2)} & & & \text{Pay length} \end{array}$$

COMMENTS:

PERMANENT WELL INSTALLATION REPORT

Well No.

MW-09

Boring No.

HA-09

PROJECT 556 Baltic Street Site

H&A FILE NO. 204090

LOCATION 556 Baltic Street, Brooklyn NY

PROJECT MGR. L. McCartney

CLIENT 159 Third Realty LLC

FIELD REP. S. Sotomayor

CONTRACTOR Coastal Environmental Solutions

DATE INSTALLED 2/8/2023

DRILLER P. Slavin

WATER LEVEL 14.49

Ground El. 21.89 ft

Location 556 Baltic Street

Drilling Equipment

Guard Pipe ☐

El. Datum NAVD

Brooklyn, NY

Geoprobe 6610 DT

Roadway Box ☐

CONDITIONS

Type of protective cover/lock (circle one): Pent.bolt 9/16" hex. 1/2" hex. 7/10" hex.
Padlock key no. _____Height/Depth of top of guard pipe/roadway box _____ 0.0 ft
above/below ground surfaceHeight/Depth of top of riser pipe _____ 0.5 ft
above/below ground surface

Depth of bottom of guard pipe/roadway box _____ 1.0 ft

Type of riser pipe: _____ Solid PVC

Inside diameter of riser pipe _____ 2.0 in

Type of backfill around riser _____ #0 Filter Sand

Depth to top of well screen _____ 10.0 ft

Type of screen _____ Machine Slotted PVC

Screen gauge or size of openings _____ 0.010 in

Diameter of screen _____ 2.0 in

Depth of bottom of well screen _____ 20 ft

Depth of bottom of borehole _____ 20.3 ft

DTW: 14.49 ft

20 ft

(Bottom of Exploration)

(Numbers refer to depth from ground surface in feet)

(Not to Scale)

$$\begin{array}{ccccccc} 10 & \text{ft} & + & 10 & \text{ft} & = & 20 & \text{ft} \\ \text{Riser Pay Length (L1)} & & & \text{Length of Screen (L2)} & & & \text{Pay length} \end{array}$$

COMMENTS:

APPENDIX D

Groundwater Sampling Logs

Groundwater Purge/Sample Log



LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	556 Baltic Street	H&A FILE NO.	0204090
LOCATION	556 Baltic Street, Brooklyn, NY	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP	S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions	DATE	2/16/2023

GROUNDWATER SAMPLING INFORMATION

Well ID:	MW-01	Well Volume:	0.91 gallons	Start Time:	7:55
Well Depth:	20.31	Equipment:	Peristaltic Pump / YSI	Sample Time:	8:55
Depth to Water:	14.71				

[illegible]

Groundwater Purge/Sample Log



LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	556 Baltic Street	H&A FILE NO.	0204090
LOCATION	556 Baltic Street, Brooklyn, NY	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP	S. Sotomayor, N. Mooney
CONTRACTOR	Coastal Environmental Solutions	DATE	2/10/2023

GROUNDWATER SAMPLING INFORMATION

Well ID:	MW-02	Well Volume:	0.87 gallons	Start Time:	13:35
Well Depth:	20.18	Equipment:	Peristaltic Pump / YSI	Sample Time:	15:10
Depth to Water:	14.86				

Time	Volume purged, gallons	Temp, C (+/- 3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/- 0.1)	ORP/eH, mv (+/- 10mv)	Turbidity, NTU	Depth to Water (ft)
13:40	0.7	17.48	973	1.53	7.58	-147.6	676.6	16.54
13:45	1.3	17.62	917	1.77	7.47	-154	644.1	16.92
13:50	1.9	17.6	889	0.78	7.33	-146.5	137.5	16.91
13:55	2.6	17.56	836	0.67	7.31	-141.7	106.7	16.91
14:00	3.2	17.47	851	0.57	7.25	-138.2	43	17.28
14:05	3.9	17.71	889	0.4	7.22	-139.6	830	17.81
14:10	4.5	17.64	875	0.49	7.19	-131.9	102.4	17.72
14:15	5.2	17.66	867	0.5	7.18	-129	107.6	17.58
14:20	5.8	17.66	873	0.5	7.16	-127.5	59.2	17.64
14:25	6.5	17.69	879	0.45	7.15	-127.4	50.5	17.65
14:30	7.1	17.67	883	0.45	7.13	-129	78.8	17.65
14:35	7.8	17.68	889	0.45	7.12	-126.1	80.8	17.72
14:40	8.4	17.67	891	0.45	7.12	-125.5	70.4	17.77
14:45	9.1	17.67	902	0.55	7.1	-123.2	38.6	17.77
14:50	9.7	17.69	896	0.52	7.1	-121.8	19.8	17.76
14:55	10.4	17.65	903	0.53	7.09	-120	9.2	17.77
15:00	11.0	17.66	901	0.5	7.08	-118.7	9.6	17.78
15:05	11.7	17.67	900	0.51	7.08	-118.2	7.8	17.77

Groundwater Purge/Sample Log



LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	556 Baltic Street	H&A FILE NO.	0204090
LOCATION	556 Baltic Street, Brooklyn, NY	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP	S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions	DATE	2/16/2023

GROUNDWATER SAMPLING INFORMATION

Well ID:	MW-03	Well Volume:	0.89 gallons	Start Time:	9:25
Well Depth:	20.09	Equipment:	Peristaltic Pump / YSI	Sample Time:	10:20
Depth to Water:	14.61				

[illegible]

Groundwater Purge/Sample Log



LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	556 Baltic Street	H&A FILE NO.	0204090
LOCATION	556 Baltic Street, Brooklyn, NY	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP	S. Sotomayor, N. Mooney
CONTRACTOR	Coastal Environmental Solutions	DATE	2/10/2023

GROUNDWATER SAMPLING INFORMATION

Well ID:	MW-04	Well Volume:	0.74 gallons	Start Time:	12:00
Well Depth:	19.73	Equipment:	Peristaltic Pump / YSI	Sample Time:	12:40
Depth to Water:	15.17				

[illegible]

Groundwater Purge/Sample Log



LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	556 Baltic Street	H&A FILE NO.	0204090
LOCATION	556 Baltic Street, Brooklyn, NY	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP	S. Sotomayor, N. Mooney
CONTRACTOR	Coastal Environmental Solutions	DATE	2/10/2023

GROUNDWATER SAMPLING INFORMATION

Well ID:	MW-05	Well Volume:	0.93 gallons	Start Time:	10:20
Well Depth:	20.38	Equipment:	Peristaltic Pump / YSI	Sample Time:	11:05
Depth to Water:	14.7				

[illegible]

Groundwater Purge/Sample Log



LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	556 Baltic Street	H&A FILE NO.	0204090
LOCATION	556 Baltic Street, Brooklyn, NY	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP	S. Sotomayor, N. Mooney
CONTRACTOR	Coastal Environmental Solutions	DATE	2/10/2023

GROUNDWATER SAMPLING INFORMATION

Well ID:	<u>MW-06</u>	Well Volume:	<u>0.65 gallons</u>	Start Time:	<u>12:10</u>
Well Depth:	<u>19.42</u>	Equipment:	<u>Peristaltic Pump / YSI</u>	Sample Time:	<u>13:00</u>
Depth to Water:	15.42	*Turbidity meter malfunction: Readings registering at above or below 50 NTU; visual observations of consistently clear purge water and stabilization of all parameters noted for final three readings			

[illegible]

Groundwater Purge/Sample Log



LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	556 Baltic Street	H&A FILE NO.	0204090
LOCATION	556 Baltic Street, Brooklyn, NY	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP	S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions	DATE	2/16/2023

GROUNDWATER SAMPLING INFORMATION

Well ID:	MW-07	Well Volume:	0.50 gallons	Start Time:	10:50
Well Depth:	18.07	Equipment:	Peristaltic Pump / YSI	Sample Time:	11:25
Depth to Water:	14.98				

[illegible]

Groundwater Purge/Sample Log



LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	556 Baltic Street	H&A FILE NO.	0204090
LOCATION	556 Baltic Street, Brooklyn, NY	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP	S. Sotomayor, N. Mooney
CONTRACTOR	Coastal Environmental Solutions	DATE	2/10/2023

GROUNDWATER SAMPLING INFORMATION

Well ID:	<u>MW-08</u>	Well Volume:	<u>0.62 gallons</u>	Start Time:	<u>8:35</u>
Well Depth:	<u>19.25</u>	Equipment:	<u>Peristaltic Pump / YSI</u>	Sample Time:	<u>9:15</u>
Depth to Water:	15.48	*Turbidity meter malfunction: Readings registering at above or below 50 NTU; visual observations of consistently clear purge water and stabilization of all parameters noted for final three readings			

[illegible]

Groundwater Purge/Sample Log



LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	556 Baltic Street	H&A FILE NO.	0204090
LOCATION	556 Baltic Street, Brooklyn, NY	PROJECT MGR.	L. McCartney
CLIENT	159 Third Realty LLC	FIELD REP	S. Sotomayor
CONTRACTOR	Coastal Environmental Solutions	DATE	2/16/2023

GROUNDWATER SAMPLING INFORMATION

Well ID:	MW-09	Well Volume:	0.91 gallons	Start Time:	12:00
Well Depth:	20.04	Equipment:	Peristaltic Pump / YSI	Sample Time:	13:10
Depth to Water:	14.49				

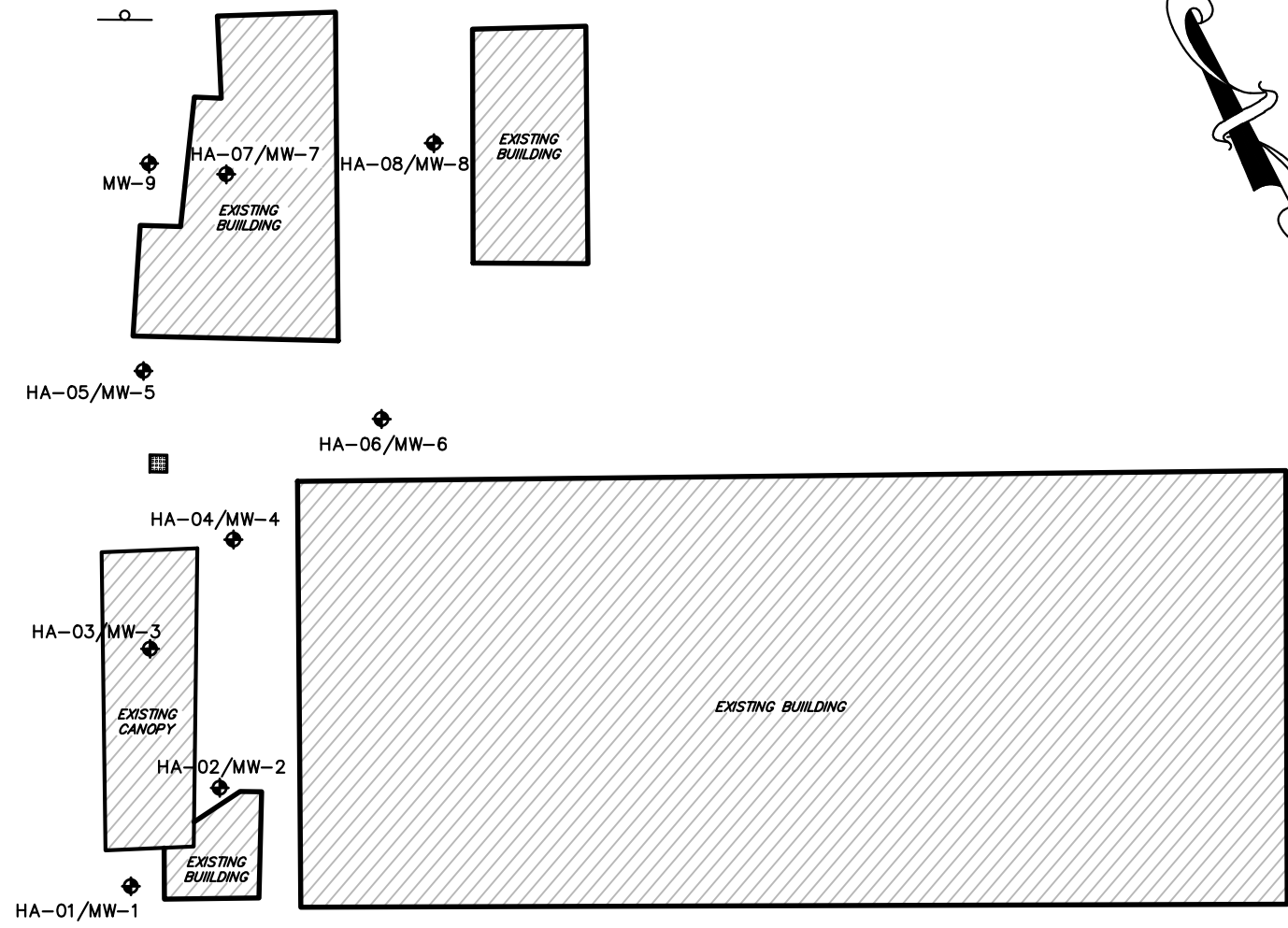
Time	Volume purged, gallons	Temp, C (+/- 3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/- 0.1)	ORP/eH, mv (+/- 10mv)	Turbidity, NTU	Depth to Water (ft)
12:00	-	16.45	838	3.23	7.57	47.6	480.7	14.49
12:05	0.5	16.44	781	2.27	7.44	7.2	369.1	14.56
12:10	1	16.43	749	1.16	7.39	-38.4	338.4	14.63
12:15	1.5	16.45	722	0.66	7.36	-58.9	205.5	14.88
12:20	2	16.47	714	0.67	7.35	-65.3	193.1	15.05
12:25	2.5	16.48	711	0.68	7.34	-71.4	155.7	15.16
12:30	3	16.49	706	0.68	7.34	-79.4	128	15.16
12:35	3.5	16.48	705	0.55	7.34	-85	67	15.16
12:40	4	16.48	706	0.51	7.34	-86.9	54.9	15.16
12:45	4.5	16.46	704	0.49	7.34	-88.1	43.8	15.16
12:50	5	16.44	703	0.47	7.34	-89.7	36.1	15.16
12:55	5.5	16.46	704	0.43	7.34	-92	29.9	15.16
13:00	6	16.45	704	0.4	7.34	-92.2	22	15.16
13:05	6.5	16.44	703	0.39	7.34	-92.4	13.1	15.16
13:10	7	16.44	703	0.39	7.34	-92.6	7.8	15.16

APPENDIX E

Survey Map

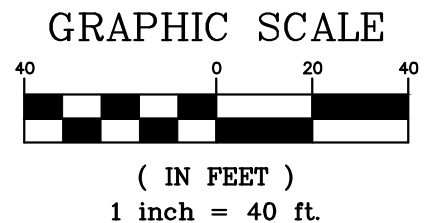
3RD AVENUE

BALTIC STREET



MONITORING WELLS	GROUND	RIM	PVC	DATE OF SURVEY
HA-01/MW-1	20.95 CONC	20.93	20.61	2/14/2023
HA-02/MW-2	21.23 CONC	21.22	20.95	2/14/2023
HA-03/MW-3	21.51 CONC	21.52	21.28	2/14/2023
HA-04/MW-4	21.77 CONC	21.77	21.46	2/14/2023
HA-05/MW-5	22.04 PAVE	22.03	21.82	2/14/2023
HA-06/MW-6	22.21 PAVE	22.19	21.71	2/6/2023
HA-07/MW-7	21.93 CONC	21.93	21.51	2/14/2023
HA-08/MW-8	22.31 PAVE	22.30	22.09	2/6/2023
MW-9	21.89 PAVE	21.90	21.62	2/14/2023

- NOTES:
1. FIELD WORK PERFORMED ON FEBRUARY 06, 2023 AND FEBRUARY 14, 2023.
 2. ELEVATION DATUM NAVD 1988 DERIVED USING GPS RECEIVERS AND KEYNET. CORS STATION: NYBR BROOKLYN PIER CORS AR ELEV=42.13' (NAVD 88)



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.

1	02/21/2023	ADDED HA-01,HA-02,HA-03,HA-07,MW-9	R.M.	C.S.
REV	DATE	DESCRIPTION	BY	CHKD

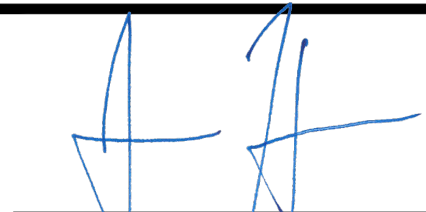
Date: 02/13/2023 Dr.:R.M. Chk.: C.S. SCALE: 1" = 40' JOB No. 23-9840 Dwg: 23-9840 MW01



DPK
LAND SURVEYING

DPK LAND SURVEYING, LLC
200 METROPLEX DRIVE - STE. 285, EDISON, NJ 08817
P:732-764-0100 F: 732-764-0990
NEW YORK CERTIFICATE OF AUTHORIZATION NO. 0012585

MONITORING WELL SURVEY MAP
FOR:
HALEY & ALDRICH OF NEW YORK
SITE:
556 BALTIC STREET
BROOKLYN
KINGS COUNTY, NEW YORK


DATE 02/21/2023
James J. Heiser
Professional Land Surveyor
JHEISER@DPKCONSULTING.NET
N.J. Lic: 24GS04331100
PA. Lic: SU075616
N.Y. Lic: 050932-1
CT. Lic: 70476

S:\Projects\2023\23-9840\CAD\23-9840 MW01.dwg Feb 27, 2023-12:26pm BY: (RogerMaandal)

DPK LAND SURVEYING
200 Metroplex Drive Suite-285 Edison, New Jersey 08817
Telephone: 732.764.0100 Fax: 732.764.0990 Email: Jheiser@dpkconsulting.net

For: Haley & Aldrich of New York
Site: 556 Baltic Street, Brooklyn, Kings County, New York

Date of Survey: February 16, 2023

Project #23-9840

February 21, 2023

Horizontal Datum: N.Y. LONG ISLAND STATE PLANE COORDINATE GRID (NAD 83)

Vertical Datum: NAVD 88

BENCHMARK: NYBR BROOKLYN PIER CORS AR ELEV=42.13' (NAVD 88)

Additional Information:

MONITORING WELLS	ELEVATIONS			COORDINATES				DATE OF SURVEY
	GROUND	RIM	PVC	NORTHING	EASTING	LATITUDE (N)	LONGITUDE (W)	
HA-01/MW-1	20.95 CONC	20.93	20.61	187351	988820	40°40'51.28"	73°59'00.69"	2/14/2023
HA-02/MW-2	21.23 CONC	21.22	20.95	187362	988847	40°40'51.38"	73°59'00.33"	2/14/2023
HA-03/MW-3	21.51 CONC	21.52	21.28	187396	988848	40°40'51.73"	73°59'00.32"	2/14/2023
HA-04/MW-4	21.77 CONC	21.77	21.46	187409	988875	40°40'51.85"	73°58'59.96"	2/14/2023
HA-05/MW-5	22.04 PAVE	22.03	21.82	187452	988875	40°40'52.28"	73°58'59.97"	2/14/2023
HA-06/MW-6	22.21 PAVE	22.19	21.71	187418	988917	40°40'51.94"	73°58'59.42"	2/6/2023
HA-07/MW-7	21.93 CONC	21.93	21.51	187482	988912	40°40'52.58"	73°58'59.49"	2/14/2023
HA-08/MW-8	22.31 PAVE	22.30	22.09	187467	988956	40°40'52.43"	73°58'58.92"	2/6/2023
MW-9	21.89 PAVE	21.90	21.62	187492	988898	40°40'52.68"	73°58'59.68"	2/14/2023

APPENDIX F
Synoptic Monitoring Well Gauging Log

[illegible]

1. Monitoring wells MW-01 through MW-09 were surveyed by DPK Land Surveying LLC on 6 and 14 February 2023.
2. Wells were gauged on 16 February 2023
3. Elevation refers to the North American Vertical Datum of 1988 (NAVD88).
4. All dimensions are in US survey feet.

APPENDIX G

Soil Vapor Sampling Logs



SOIL VAPOR SAMPLING LOG

Remedial Investigation - 556 Baltic Street, Brooklyn, NY

Site: 556 Baltic Street Site
Date Collected: 2/10/23, 2/13/23, 6/2/23, 6/8/23
Personnel: S. Sotomayor, N. Manzione, Z. Simmel, N. Mooney
Weather: Sunny to Partly Cloudy 50-74° F
Humidity: 50-56%

Sample ID	Canister ID	Caniser Size	Flow Controller ID	Sample Start Time	Canister Start Pressure ("Hg)	Sample End Time	Canister End Pressure ("Hg)	Sample Start Date	Sample Type	Analyses Method
VP-01	2519	2.7L	01446	11:50	-29.93	13:22	-0.21	2/13/2023	Soil Vapor	TO-15
VP-02	522	2.7L	02095	13:15	-30.09	14:55	-7.81	2/13/2023	Soil Vapor	TO-15
VP-03	2601	2.7L	01937	10:02	-29.81	12:02	-4.88	2/10/2023	Soil Vapor	TO-15
VP-04	3430	2.7L	01099	9:36	-30.43	11:36	-4.12	2/10/2023	Soil Vapor	TO-15
VP-05	2229	2.7L	0680	9:27	-30.12	11:20	-0.70	2/10/2023	Soil Vapor	TO-15
VP-06	3732	2.7L	01098	11:45	-29.88	13:45	-5.40	2/13/2023	Soil Vapor	TO-15
VP-07	334	2.7L	01323	9:43	-30.35	11:58	-2.66	2/10/2023	Soil Vapor	TO-15
VP-08	2552	2.7L	01822	10:28	-29.90	12:28	-3.57	2/10/2023	Soil Vapor	TO-15
VP-09	2230	2.7L	0068	9:49	-30.72	11:49	-5.68	6/8/2023	Soil Vapor	TO-15
VP-10	388	2.7L	01479	11:52	-30.36	13:52	-7.26	6/2/2023	Soil Vapor	TO-15

Notes:

Summas and flow regulators provided by Alpha Analytical Laboratory

Analyses for VOCs by Method TO-15 completed by Alpha Analytical Laboratory

APPENDIX H
Analytical Laboratory Reports (Sharefile Link)
<https://haleyaldrich.sharefile.com/d-sead861703b8b456bafecd7be88ce7dc8>

APPENDIX I

Data Usability Summary Reports

Data Usability Summary Report

Project Name: 556 Baltic Street Site RIR

Project Description: Soil Samples, non-PFAS

Sample Date(s): 1 through 13 February 2023

Analytical Laboratory: Alpha Analytical – Westborough, MA

Validation Performed by: Kathryn Lindenschmidt

Validation Reviewed by: Katherine Miller

Validation Date: 17 March 2023

Haley & Aldrich, Inc. prepared this Data Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for Sample Delivery Group(s) (SDG) listed. This DUSR is organized into the following sections:

- 1. Sample Delivery Group Numbers**
 - 2. Explanations**
 - 3. Glossary**
 - 4. Abbreviations**
 - 5. Qualifiers**
- References**

This data validation and usability assessment was performed per the guidance and requirements established by the United States Environmental Protection Agency (USEPA) using the following reference materials:

- National Functional Guidelines (NFG) for Inorganic Data Review.
- National Functional Guidelines (NFG) for Organic Data Review.

Data reported in this sampling event were reported to the laboratory method detection limit (MDL). Results found between the MDL and reporting limit (RL) are flagged J as estimated.

Sample data were qualified in accordance with the laboratory's standard operating procedures (SOP). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQO) for the project and therefore usable; any exceptions are noted in the following pages.

1. Sample Delivery Group Numbers

1.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of SDG number:

- L2305570, dated 7 March 2023,
- L2305934, dated 7 March 2023,
- L2305935, dated 8 February 2023,
- L2306883, dated 6 March 2023,
- L2307196, dated 13 March 2023,
- L2307511, dated 9 March 2023,
- L2307512, dated 16 February 2023,
- L2307677, dated 13 March 2023, and
- L2310952, dated 7 March 2023.

Samples were collected, preserved, and shipped following standard chain of custody (COC) protocol.

Samples were also received appropriately, identified correctly, and analyzed according to the COC.

Issues noted with sample management are listed below:

- In SDG L2305570 a sample container for total cyanide was received for sample L2305570-21 but was not listed on the COC. Sample was not analyzed per request.
- In SDG L2305934 a sample container for Toxicity Characteristic Leaching Procedure (TCLP) metals was received for sample L2305934-10 but was not listed on the COC. Sample was not analyzed per request.
- In SDG L2307196 a sample container for TCLP metals was received for sample L2307196-17 but was not listed on the COC. Sample was not analyzed per request.
- Custody seals were not used when samples were dropped off at the laboratory or service center by the field staff, submitted to a laboratory-provided courier, or when transported between subcontracted laboratories.
- Per- and Polyfluoroalkyl Substances (PFAS) analyses listed in COC are presented in a separate DUSR.

Analyses were performed on the following samples:

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods
HA-06 (2-4)	N	L2305570-01	02/01/2023	SO	A, B, C, D, E, F, G
HA-06 (6-8)	N	L2305570-02	02/01/2023	SO	A, B, C, D, E, F, G
HA-06 (10-12)	N	L2305570-03	02/01/2023	SO	A, B, C, D, E, F, G
HA-06 (14-16)	N	L2305570-04	02/01/2023	SO	A, B, C, D, E, F, G
HA-08 (2-4)	N	L2305570-05	02/01/2023	SO	A, B, C, D, E, F, G

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods
HA-08 (6-8)	N	L2305570-06	02/01/2023	SO	A, B, C, D, E, F, G
HA-08 (10-12)	N	L2305570-07	02/01/2023	SO	A, B, C, D, E, F, G
HA-08 (14-16)	N	L2305570-08	02/01/2023	SO	A, B, C, D, E, F, G
HA-14 (2-4)	N	L2305570-09	02/01/2023	SO	A, B, C, D, E, F, G
HA-14 (6-8)	N	L2305570-10	02/01/2023	SO	A, B, C, D, E, F, G
HA-14 (10-12)	N	L2305570-11	02/01/2023	SO	A, B, C, D, E, F, G
HA-14 (14-16)	N	L2305570-12	02/01/2023	SO	A, B, C, D, E, F, G
HA-15 (2-4)	N	L2305570-13	02/01/2023	SO	A, B, C, D, E, F, G
HA-15 (6-8)	N	L2305570-14	02/01/2023	SO	A, B, C, D, E, F, G
HA-15 (10-12)	N	L2305570-15	02/01/2023	SO	A, B, C, D, E, F, G
HA-15 (14-16)	N	L2305570-16	02/01/2023	SO	A, B, C, D, E, F, G
HA-16 (2-4)	N	L2305570-17	02/01/2023	SO	A, B, C, D, E, F, G
HA-16 (6-8)	N	L2305570-18	02/01/2023	SO	A, B, C, D, E, F, G
HA-16 (10-12)	N	L2305570-19	02/01/2023	SO	A, B, C, D, E, F, G
HA-16 (14-16)	N	L2305570-20	02/01/2023	SO	A, B, C, D, E, F, G
FIELD BLANK 02012023	FB	L2305570-21	02/01/2023	WQ	D, E, F, G, H, I, J
TRIP BLANK	TB	L2305570-22	02/01/2023	WQ	F
HA-04 (2-4)	N	L2305934-01	02/02/2023	SO	A, B, C, D, E, F, G
HA-04 (6-8)	N	L2305934-02	02/02/2023	SO	A, B, C, D, E, F, G
HA-04 (10-12)	N	L2305934-03	02/02/2023	SO	A, B, C, D, E, F, G
HA-04 (14-16)	N	L2305934-04	02/02/2023	SO	A, B, C, D, E, F, G
HA-05 (2-4)	N	L2305934-05	02/02/2023	SO	A, B, C, D, E, F, G
HA-05 (6-8)	N	L2305934-06	02/02/2023	SO	A, B, C, D, E, F, G
HA-05 (10-12)	N	L2305934-07	02/02/2023	SO	A, B, C, D, E, F, G
HA-05 (14-16)	N	L2305934-08	02/02/2023	SO	A, B, C, D, E, F, G
DUP_1_02022023	FD	L2305934-09	02/02/2023	SO	A, B, C, D, E, F, G
FIELD BLANK 02022023	FB	L2305934-10	02/02/2023	WQ	D, E, F, G, H, I, J
TRIP BLANK	TB	L2305934-11	02/02/2023	WQ	F
HA-24 (0-2)	N	L2305935-01	02/02/2023	SO	A, B, K
HA-24 (2-4)	N	L2305935-02	02/02/2023	SO	A, B, K
HA-24 (4-6)	N	L2305935-03	02/02/2023	SO	A, B, K
HA-25 (10-12)	N	L2305935-04	02/02/2023	SO	A, C, L
HA-25 (12-14)	N	L2305935-05	02/02/2023	SO	A, C, L
HA-25 (14-16)	N	L2305935-06	02/02/2023	SO	A, C, L
HA-01 (2-4)	N	L2306883-01	02/08/2023	SO	A, B, C, D, E, F, G
HA-01 (6-8)	N	L2306883-02	02/08/2023	SO	A, B, C, D, E, F, G
HA-01 (10-12)	N	L2306883-03	02/08/2023	SO	A, B, C, D, E, F, G
HA-01 (14-16)	N	L2306883-04	02/08/2023	SO	A, B, C, D, E, F, G
HA-02 (2-4)	N	L2306883-05	02/08/2023	SO	A, B, C, D, E, F, G
HA-02 (6-8)	N	L2306883-06	02/08/2023	SO	A, B, C, D, E, F, G

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods
HA-02 (10-12)	N	L2306883-07	02/08/2023	SO	A, B, C, D, E, F, G
HA-02 (14-16)	N	L2306883-08	02/08/2023	SO	A, B, C, D, E, F, G
HA-10 (2-4)	N	L2306883-09	02/08/2023	SO	A, B, C, D, E, F, G
HA-10 (6-8)	N	L2306883-10	02/08/2023	SO	A, B, C, D, E, F, G
HA-10 (10-12)	N	L2306883-11	02/08/2023	SO	A, B, C, D, E, F, G
HA-10 (14-16)	N	L2306883-12	02/08/2023	SO	A, B, C, D, E, F, G
HA-17 (2-4)	N	L2306883-13	02/08/2023	SO	A, B, C, D, E, F, G
HA-17 (6-8)	N	L2306883-14	02/08/2023	SO	A, B, C, D, E, F, G
HA-17 (10-12)	N	L2306883-15	02/08/2023	SO	A, B, C, D, E, F, G
HA-17 (14-16)	N	L2306883-16	02/08/2023	SO	A, B, C, D, E, F, G
HA-19 (2-4)	N	L2306883-17	02/08/2023	SO	A, B, C, D, E, F, G
HA-19 (6-8)	N	L2306883-18	02/08/2023	SO	A, B, C, D, E, F, G
HA-19 (10-12)	N	L2306883-19	02/08/2023	SO	A, B, C, D, E, F, G
HA-19 (14-16)	N	L2306883-20	02/08/2023	SO	A, B, C, D, E, F, G
HA-19 (20-22)	N	L2306883-21	02/08/2023	SO	A, B, C, D, E, F, G
HA-21 (2-4)	N	L2306883-22	02/08/2023	SO	A, B, C, D, E, F, G
HA-21 (6-8)	N	L2306883-23	02/08/2023	SO	A, B, C, D, E, F, G
HA-21 (10-12)	N	L2306883-24	02/08/2023	SO	A, B, C, D, E, F, G
HA-21 (14-16)	N	L2306883-25	02/08/2023	SO	A, B, C, D, E, F, G
HA-21 (20-22)	N	L2306883-26	02/08/2023	SO	A, B, C, D, E, F, G
DUP_1_02082023	FD	L2306883-27	02/08/2023	SO	A, B, C, D, E, F, G
FIELD BLANK 02082023	FB	L2306883-28	02/08/2023	WQ	D, E, F, G, H, I, J
TRIP BLANK	TB	L2306883-29	02/08/2023	WQ	F
HA-07 (2-4)	N	L2307196-01	02/09/2023	SO	A, B, C, D, E, F, G
HA-07 (6-8)	N	L2307196-02	02/09/2023	SO	A, B, C, D, E, F, G
HA-07 (10-12)	N	L2307196-03	02/09/2023	SO	A, B, C, D, E, F, G
HA-07 (14-16)	N	L2307196-04	02/09/2023	SO	A, B, C, D, E, F, G
HA-09 (2-4)	N	L2307196-05	02/09/2023	SO	A, B, C, D, E, F, G
HA-09 (6-8)	N	L2307196-06	02/09/2023	SO	A, B, C, D, E, F, G
HA-09 (10-12)	N	L2307196-07	02/09/2023	SO	A, B, C, D, E, F, G
HA-09 (14-16)	N	L2307196-08	02/09/2023	SO	A, B, C, D, E, F, G
HA-11 (2-4)	N	L2307196-09	02/09/2023	SO	A, B, C, D, E, F, G
HA-11 (6-8)	N	L2307196-10	02/09/2023	SO	A, B, C, D, E, F, G
HA-11 (10-12)	N	L2307196-11	02/09/2023	SO	A, B, C, D, E, F, G
HA-11 (14-16)	N	L2307196-12	02/09/2023	SO	A, B, C, D, E, F, G
HA-12 (2-4)	N	L2307196-13	02/09/2023	SO	A, B, C, D, E, F, G
HA-12 (6-8)	N	L2307196-14	02/09/2023	SO	A, B, C, D, E, F, G
HA-12 (10-12)	N	L2307196-15	02/09/2023	SO	A, B, C, D, E, F, G
HA-12 (14-16)	N	L2307196-16	02/09/2023	SO	A, B, C, D, E, F, G
FIELD BLANK 02092023	FB	L2307196-17	02/09/2023	WQ	D, E, F, G, H, I, J

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods
TRIP BLANK	TB	L2307196-18	02/09/2023	WQ	F
HA-03 (2-4)	N	L2307511-01	02/10/2023	SO	A, B, C, D, E, F, G
HA-03 (6-8)	N	L2307511-02	02/10/2023	SO	A, B, C, D, E, F, G
HA-03 (10-12)	N	L2307511-03	02/10/2023	SO	A, B, C, D, E, F, G
HA-03 (14-16)	N	L2307511-04	02/10/2023	SO	A, B, C, D, E, F, G
HA-20 (2-4)	N	L2307511-05	02/10/2023	SO	A, B, C, D, E, F, G
HA-20 (6-8)	N	L2307511-06	02/10/2023	SO	A, B, C, D, E, F, G
HA-20 (10-12)	N	L2307511-07	02/10/2023	SO	A, B, C, D, E, F, G
HA-20 (14-16)	N	L2307511-08	02/10/2023	SO	A, B, C, D, E, F, G
TRIP BLANK	TB	L2307511-09	02/10/2023	WQ	F
HA-26 (11-13)	N	L2307512-01	02/10/2023	SO	A, C, L
HA-26 (13-15)	N	L2307512-02	02/10/2023	SO	A, C, L
HA-26 (15-17)	N	L2307512-03	02/10/2023	SO	A, C, L
DUP-1_02102023	FD	L2307512-04	02/10/2023	SO	A, C, L
DUP-2_02102023	FD	L2307512-05	02/10/2023	SO	A, C, L
FIELD BLANK_1_02102023	FB	L2307512-06	02/10/2023	WQ	I
FIELD BLANK_2_02102023	FB	L2307512-07	02/10/2023	WQ	I
HA-13 (2-4)	N	L2307677-01	02/13/2023	SO	A, B, C, D, E, F, G
HA-13 (6-8)	N	L2307677-02	02/13/2023	SO	A, B, C, D, E, F, G
HA-13 (10-12)	N	L2307677-03	02/13/2023	SO	A, B, C, D, E, F, G
HA-13 (14-16)	N	L2307677-04	02/13/2023	SO	A, B, C, D, E, F, G
HA-18 (2-4)	N	L2307677-05	02/13/2023	SO	A, B, C, D, E, F, G
HA-18 (6-8)	N	L2307677-06	02/13/2023	SO	A, B, C, D, E, F, G
HA-18 (10-12)	N	L2307677-07	02/13/2023	SO	A, B, C, D, E, F, G
HA-18 (14-16)	N	L2307677-08	02/13/2023	SO	A, B, C, D, E, F, G
DUP_1_02132023	FD	L2307677-09	02/13/2023	SO	A, B, C, D, E, F, G
HA-13 (2-4)	N	L2310952-01	02/13/2023	SO	K
HA-13 (6-8)	N	L2310952-02	02/13/2023	SO	K
HA-13 (10-12)	N	L2310952-03	02/13/2023	SO	K
HA-13 (14-16)	N	L2310952-04	02/13/2023	SO	K
HA-18 (2-4)	N	L2310952-05	02/13/2023	SO	K
HA-18 (6-8)	N	L2310952-06	02/13/2023	SO	K
HA-18 (10-12)	N	L2310952-07	02/13/2023	SO	K, L
HA-18 (14-16)	N	L2310952-08	02/13/2023	SO	K
DUP_1_02132023	FD	L2310952-09	02/13/2023	SO	K, L
HA-07 (2-4)	N	L2310952-10	02/09/2023	SO	K
HA-07 (6-8)	N	L2310952-11	02/09/2023	SO	K
HA-07 (10-12)	N	L2310952-12	02/09/2023	SO	K
HA-07 (14-16)	N	L2310952-13	02/09/2023	SO	K
HA-09 (6-8)	N	L2310952-14	02/09/2023	SO	K

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods
HA-09 (14-16)	N	L2310952-15	02/09/2023	SO	K
HA-11 (2-4)	N	L2310952-16	02/09/2023	SO	K
HA-11 (10-12)	N	L2310952-17	02/09/2023	SO	K
HA-11 (14-16)	N	L2310952-18	02/09/2023	SO	K
HA-12 (2-4)	N	L2310952-19	02/09/2023	SO	K
HA-12 (6-8)	N	L2310952-20	02/09/2023	SO	K
HA-12 (10-12)	N	L2310952-21	02/09/2023	SO	K
HA-03 (6-8)	N	L2310952-22	02/10/2023	SO	K
HA-03 (10-12)	N	L2310952-23	02/10/2023	SO	K
HA-20 (2-4)	N	L2310952-24	02/10/2023	SO	K
HA-20 (6-8)	N	L2310952-25	02/10/2023	SO	K
HA-20 (10-12)	N	L2310952-26	02/10/2023	SO	K
HA-01 (2-4)	N	L2310952-27	02/08/2023	SO	K
HA-01 (6-8)	N	L2310952-28	02/08/2023	SO	K
HA-01 (10-12)	N	L2310952-29	02/08/2023	SO	K
HA-02 (2-4)	N	L2310952-30	02/08/2023	SO	K
HA-02 (6-8)	N	L2310952-31	02/08/2023	SO	K
HA-02 (14-16)	N	L2310952-32	02/08/2023	SO	K
HA-10 (2-4)	N	L2310952-33	02/08/2023	SO	K
HA-10 (10-12)	N	L2310952-34	02/08/2023	SO	K
HA-10 (14-16)	N	L2310952-35	02/08/2023	SO	K
HA-17 (2-4)	N	L2310952-36	02/08/2023	SO	K
HA-17 (14-16)	N	L2310952-37	02/08/2023	SO	K
HA-19 (2-4)	N	L2310952-38	02/08/2023	SO	K
HA-19 (6-8)	N	L2310952-39	02/08/2023	SO	K
HA-19 (10-12)	N	L2310952-40	02/08/2023	SO	K, L
HA-19 (14-16)	N	L2310952-41	02/08/2023	SO	K
HA-21 (6-8)	N	L2310952-42	02/08/2023	SO	K
HA-21 (10-12)	N	L2310952-43	02/08/2023	SO	K
HA-21 (14-16)	N	L2310952-44	02/08/2023	SO	K
HA-21 (20-22)	N	L2310952-45	02/08/2023	SO	K, L
DUP_1_02082023	FD	L2310952-46	02/08/2023	SO	K
HA-21 (2-4)	N	L2310952-47	02/08/2023	SO	K

Method Holding Times			
A.	SM2540G	Total Solids	7 days for solid unpreserved
B.	SW6010D	Metals (by Optical Emission Spectrometry)	180 days for solid unpreserved
C.	SW7471B	Mercury (in Solids)	28 days extraction / 48 hours analysis for solid, unpreserved
D.	SW8081B	ORGANOCHLORINE PESTICIDES	14 days extraction/40 days analysis for solid, unpreserved
E.	SW8082A	Polychlorinated Biphenyls (PCBs)	14 days extraction/40 days analysis for solid, unpreserved
F.	SW8260D	Volatile Organic Compounds (VOCs)	14 days for solid, preserved 14 days for solid unpreserved
G.	SW8270E	Semivolatile Organic Compounds (SVOCs)	40 days analysis for solid, unpreserved
H.	SW6020B	Metals	180 days for liquid, preserved
I.	SW7470A	Mercury (in Liquids)	28 days extraction / 48 hours analysis for liquid, preserved
J.	SW8270ESIM	Semivolatile Organic Compounds (SVOCs)	7 days extraction / 40 days analysis for liquid, unpreserved
K.	SW6010DR	METALS, TCLP	180 days for solid, unpreserved
L.	SW7470AR	MERCURY, TCLP	28 days for solid, unpreserved

1.2 CASE NARRATIVE

The laboratory report case narrative lists various additional quality control issues such as internal standard exceedances. Since these additional quality control issues were not required for the project's data quality objectives, these quality control issues were not reviewed.

1.3 MULTIPLE SAMPLE RESULTS

The laboratory reported multiple results for the samples listed below. The validator chose the results that best met the DQO of the project.

Lab ID	Method	Analyte	Qualification
L2306883-08	SW8260D	n-Propylbenzene	The laboratory reanalyzed the sample. The original results are marked nonreportable and the reanalysis results are accepted.
L2306883-20			
L2307511-03	SW8270E	Anthracene	
		Pyrene	
		Indeno(1,2,3-cd)pyrene	
		Benzo(b)fluoranthene	
		Fluoranthene	
		Chrysene	
		Benzo(a)pyrene	
		Benzo(a)anthracene	
		Phenanthrene	

Lab ID	Method	Analyte	Qualification
L2307511-04	SW8260D	1,2,4-Trimethylbenzene	The laboratory reanalyzed the sample. The original results are marked nonreportable and the reanalysis results are accepted.
		4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	
L2305570-03	SW8260D	All Analytes	The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The results with the lowest reporting limit are reportable.
L2307196-03	SW8270E	All Analytes	The sample was reanalyzed due to low surrogate recovery. The original results are marked nonreportable and the reanalysis results are accepted.
L2307196-01	SW8270E	Pyrene	The laboratory reanalyzed the sample. The original results are marked nonreportable and the reanalysis results are accepted.
		Fluoranthene	
L2305570-05	SW8270E	Pyrene	
		Benzo(b)fluoranthene	
		Fluoranthene	
		Benzo(a)pyrene	
L2307196-15	SW8270E	Phenanthrene	
		Pyrene	
		Benzo(b)fluoranthene	
		Fluoranthene	
		Chrysene	
		Benzo(a)pyrene	
		Benzo(a)anthracene	
L2307196-14	SW8270E	Phenanthrene	The laboratory reanalyzed the sample. The original results are marked nonreportable and the reanalysis results are accepted.
		Pyrene	
		Benzo(b)fluoranthene	
		Fluoranthene	
		Chrysene	
		Benzo(a)pyrene	
		Benzo(a)anthracene	
		Acenaphthene	
L2306883-20	SW8260D	n-Propylbenzene	
L2306883-23	SW8270E	Pyrene	
		Fluoranthene	
		Phenanthrene	

1.4 HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified per method protocol with the following exceptions:

Method	Matrix	Holding Time	Preservation	Sample ID, Violation, Qualification
SW8260D	Soil	14 days for solid, preserved 14 days for solid unpreserved	Cool to $\leq 6^{\circ}\text{C}$	The following samples were received in appropriate containers (vials) for the Volatile Organics by USEPA Method 5035/8260 analysis; however, they could not be used for analysis. A sample aliquot was taken from an unpreserved container (inappropriate plastic) and preserved appropriately. Samples were qualified J/UJ: L2307677-06 and -09

1.5 REPORTING LIMITS AND SAMPLE DILUTIONS

All sample dilutions were reviewed and found to be justified. Dilution of the project samples were required to bring calibration of target analytes within calibration range, matrix interference, foaming at the time of purging, or abundance of non-target analytes.

In cases when multiple sample dilution analyses were reported per sample, the reviewer chose the lowest dilution with results still within the calibration range and rejected the alternative result.

1.6 REPORTING BASIS (WET/DRY)

[Refer to section E 1.1.](#) Soil data in this SDG were reported on a dry weight basis.

Where reported, percent solid results were reviewed and found to be within limits.

1.7 SURROGATE RECOVERY COMPLIANCE

[Refer to section E 1.2.](#) The percent recovery (%R) for each surrogate compound added to each project sample were determined to be within the laboratory specified quality control (QC) limits, with the following exceptions:

- Pesticides results were qualified based on columns.

Method	Sample ID	Lab ID	Surrogate	Dilution	%R	Qualification
SW8081B	HA-06 (2-4')	L2305570-01	Decachlorobiphenyl	1x	254%	J+/None
	HA-06 (14-16')	L2305570-04	2,4,5,6-Tetrachloro-m-xylene	1x	682%	
	HA-08 (2-4')	L2305570-05	Decachlorobiphenyl	1x	326%	
	HA-08 (10-12')	L2305570-07	2,4,5,6-Tetrachloro-m-xylene	1x	1510%	
	HA-14 (14-16')	L2305570-12	2,4,5,6-Tetrachloro-m-xylene	1x	196%	

Method	Sample ID	Lab ID	Surrogate	Dilution	%R	Qualification
SW8270ESIM	FIELD BLANK 02022023	L2305934-10	Nitrobenzene-d5	1x	123%	J+/None
SW8081B	HA-04 (2'-4')	L2305934-01	Decachlorobiphenyl	1x	178%	None, dilution >5x
	HA-04 (10-12')	L2305934-03	2,4,5,6-Tetrachloro- m-xylene	10x	8180%	
	HA-04 (14-16')	L2305934-04	Decachlorobiphenyl	1x	7%	J-/R
	HA-01 (6-8')	L2306883-02	Decachlorobiphenyl	1x	156%	J+/None
	HA-02 (2'-4')	L2306883-05	Decachlorobiphenyl	1x	200%	
	HA-02 (6-8')	L2306883-06	Decachlorobiphenyl	1x	180%	
	HA-02 (14-16')	L2306883-08	Decachlorobiphenyl	1x	1%	J-/R
	HA-10 (2'-4')	L2306883-09	Decachlorobiphenyl	1x	196%	J+/None
	HA-10 (6-8')	L2306883-10	Decachlorobiphenyl	1x	186%	
	HA-10 (14-16')	L2306883-12	2,4,5,6-Tetrachloro- m-xylene	1x	426%	
	HA-17 (2'-4')	L2306883-13	Decachlorobiphenyl	1x	151%	
	HA-17 (6-8')	L2306883-14	Decachlorobiphenyl	1x	153%	
	HA-19 (2'-4')	L2306883-17	Decachlorobiphenyl	1x	157%	J+/None
	HA-19 (6-8')	L2306883-18	2,4,5,6-Tetrachloro- m-xylene	1x	279%	
	HA-19 (10-12')	L2306883-19	2,4,5,6-Tetrachloro- m-xylene	5x	427%	None, dilution >5x
	HA-19 (10-12')	L2306883-19	Decachlorobiphenyl	5x	0%	
	HA-19 (14-16')	L2306883-20	2,4,5,6-Tetrachloro- m-xylene	5x	409%	
			Decachlorobiphenyl	5x	0%	
	HA-19 (20-22')	L2306883-21	Decachlorobiphenyl	1x	24%	J-/R
	HA-21 (2'-4')	L2306883-22	Decachlorobiphenyl	1x	233%	J+/None
	HA-21 (10-12')	L2306883-24	Decachlorobiphenyl	5x	8%	None, dilution >5x
	HA-21 (14-16')	L2306883-25	2,4,5,6-Tetrachloro- m-xylene	5x	967%	
			Decachlorobiphenyl	5x	8%	
	HA-21 (20-22')	L2306883-26	Decachlorobiphenyl	1x	9%	J-/R
	DUP_1_02082023	L2306883-27	Decachlorobiphenyl	1x	5%	J+/None
	DUP_1_02082023	L2306883-27	Decachlorobiphenyl	1x	165%	

Method	Sample ID	Lab ID	Surrogate	Dilution	%R	Qualification
SW8270E	HA-07 (10-12')	L2307196-03	2-Fluorophenol	1x	3%	NA, Samples reanalyzed
			2,4,6-Tribromophenol	1x	2%	
			2-Fluorophenol	1x	7%	
			2,4,6-Tribromophenol	1x	3%	J-/UJ (as sample was reanalyzed due to other QC issues, lab achieved best possible result, BPJ UJ instead of R)
SW8081B	HA-07 (2-4')	L2307196-01	Decachlorobiphenyl	1x	206%	J+/None
	HA-07 (14-16')	L2307196-04	Decachlorobiphenyl	1x	168%	
	HA-09 (2-4')	L2307196-05	Decachlorobiphenyl	1x	230%	
	HA-09 (6-8')	L2307196-06	Decachlorobiphenyl	1x	216%	
	HA-11 (2-4')	L2307196-09	Decachlorobiphenyl	1x	301%	
	HA-12 (2-4')	L2307196-13	Decachlorobiphenyl	1x	305%	
SW8260D	HA-03 (10-12')	L2307511-03	4-Bromofluorobenzene	1x	185%	J-/R
SW8081B	HA-03 (6-8')	L2307511-02	Decachlorobiphenyl	1x	162%	
	HA-03 (10-12')	L2307511-03	2,4,5,6-Tetrachloro-m-xylene	1x	16%	
			Decachlorobiphenyl	1x	4%	J+/None
			Decachlorobiphenyl	1x	261%	
	HA-03 (14-16')	L2307511-04	Decachlorobiphenyl	1x	193%	J-/R
	HA-20 (10-12')	L2307511-07	2,4,5,6-Tetrachloro-m-xylene	1x	2%	
			Decachlorobiphenyl	1x	0%	
	HA-20 (14-16')	L2307511-08	2,4,5,6-Tetrachloro-m-xylene	1x	5%	
			Decachlorobiphenyl	1x	3%	
	HA-13 (2-4')	L2307677-01	Decachlorobiphenyl	1x	174%	J+/None
	HA-13 (6-8')	L2307677-02	2,4,5,6-Tetrachloro-m-xylene	1x	18%	J-/R
			Decachlorobiphenyl	1x	11%	
			Decachlorobiphenyl	1x	348%	J+/None
	HA-13 (10-12')	L2307677-03	Decachlorobiphenyl	1x	8%	J-/R
	HA-13 (14-16')	L2307677-04	2,4,5,6-Tetrachloro-m-xylene	1x	439%	J+/None
			Decachlorobiphenyl	1x	3%	J-/R
	HA-18 (2-4')	L2307677-05	Decachlorobiphenyl	1x	257%	J+/None
	HA-18 (6-8')	L2307677-06	2,4,5,6-Tetrachloro-m-xylene	1x	170%	
			Decachlorobiphenyl	1x	192%	
	HA-18 (10-12')	L2307677-07	2,4,5,6-Tetrachloro-m-xylene	5x	6720%	None, dilution >5x
			Decachlorobiphenyl	5x	28%	

Method	Sample ID	Lab ID	Surrogate	Dilution	%R	Qualification
SW8081B	HA-18 (14-16')	L2307677-08	2,4,5,6-Tetrachloro-m-xylene	5x	30400%	None, dilution >5x
	DUP_1_02132023	L2307677-09	2,4,5,6-Tetrachloro-m-xylene	20x	0%	
			Decachlorobiphenyl	20x	0%	
			2,4,5,6-Tetrachloro-m-xylene	20x	0%	
			Decachlorobiphenyl	20x	0%	

1.8 LABORATORY CONTROL SAMPLES

[Refer to section E 1.3.](#) Compounds associated with the laboratory control samples/laboratory control sample duplicates (LCS/LCSD) analyses associated with client samples exhibited recoveries and relative percent differences (RPDs) within the specified limits with the following exceptions:

SDG #	Sample Type	Method	Batch ID	Analyte	%R/RPD	Qualifier	Affected Samples
L2305570	LCS/LCSD	SW8260D	WG1740260 -3, -4	Carbon disulfide	160%/150%	J/None	None, samples are ND
			WG1740610 -3, -4	Carbon disulfide	157%/136%		
			WG1740677 -3, -4	Carbon disulfide	169%/162%		
			WG1740679 -3, -4	Carbon disulfide	169%/162%		
			WG1741304 -3, -4	Carbon disulfide	158%/ 149%		
			WG1741610 -3, -4	Chloromethan e	131%/131%		
				Acetone	160%/155%		
				Carbon disulfide	177%/176%		
	LCS	SW8270E	WG1740305 -2, -3	4- Chloroaniline	39%	J-/R	L2305570-21
	LCS/LCSD		WG1740328 -2, -3	4- Chloroaniline	35%/34%	J-/R	L2305570-01 through 20
				2,4- Dinitrophenol	140%/142%	J+/None	None, samples are ND
				4,6-Dinitro-o- cresol	158%/ 167%		

SDG #	Sample Type	Method	Batch ID	Analyte	%R/RPD	Qualifier	Affected Samples
L2305934	LCS/LCSD	SW8260D	WG1741518 -3,-4	Carbon disulfide	178%/162%	J/None	None, samples are ND
			WG1741941 -3, -4	Carbon disulfide	165%/ 160%		
	LCS	SW8270E	WG1740305 -2, -3	4-Chloroaniline	39%	J-/R	L2305934-10
	LCS/LCSD		WG1740806 -2, -3	2,4-Dinitrotoluene	28%/29%	J-/R	L2305934- 01 through -09
				2,6-Dinitrotoluene	33%/35%		
				Hexachlorocyclopentadiene	21%/21%		
				Hexachloroethane	36%		
				2-Nitrophenol	21%/21%	J-/R	
				2,4-Dinitrophenol	0%/0%		
				4,6-Dinitro-o-cresol	5%/6%		
				Benzoic Acid	0%/0%		
L2306883	LCS/LCSD	SW8260D	WG1742628 -3, -4	Carbon disulfide	160%/160%	J/None	None, samples are ND
				2-Butanone	RPD=37		
			WG1743268 -3, -4	Carbon disulfide	137%/134%		
			WG1743269 -3, -4	Carbon disulfide	137%/ 134%		
			WG1743767 -3, -4	Carbon disulfide	146%/ 140%		
			WG1743768 -3, -4	Carbon disulfide	146%/ 140%		
			WG1743813 -3, -4	Carbon disulfide	178%/ 179%		
			WG1743893 -3, -4	Carbon disulfide	178%/ 179%		
			WG1744288 -10 WG1744288 -11	Carbon disulfide	144%/ 146%		
	LCS	SW8270E	WG1743688 -2, -3	Hexachlorocyclopentadiene	35%	J-/R	L2306883-18 through 21, L2306883-23 through 26
	LCS/LCSD		WG1742999 -2, -3	Various	RPD High	J+/None	L2306883-28

SDG #	Sample Type	Method	Batch ID	Analyte	%R/RPD	Qualifier	Affected Samples
L2307196	LCS/LCSD	SW8260D	WG1743917 -3, -4	Acetone	141%/ 147%	J/None	L2307196-01, -03, -05, -06, -08 through 14, -16
				Carbon disulfide	156%/ 157%	J/None	None, samples are ND
			WG1744176 -3, -4	Chloromethan e	50%/ 50%	J/UJ	L2307196-17, -18
			WG1744346 -3, -4	Carbon disulfide	180% RPD=33	J/None	None, samples are ND
				Vinyl acetate	138% RPD=32		
				cis-1,2-Dichloroethen e	RPD=34	J/UJ	L2307196-04
				1,2-Dichloroethen e (total)	RPD=32		
				Acetone	RPD=33		
				2-Butanone (Methyl Ethyl Ketone)	RPD=37		
			Various	RPD High	J/None	None, samples are ND	
	WG1744618 -3, -4	Carbon disulfide	187%/179%				
	LCS/LCSD	SW8270E	WG1743327 -2, -3	2,4-Dinitrophenol	146%/ 146%	J+/None	None, samples are ND
	LCS			Pentachloroph enol	112%		
	LCSD		WG1744100 -2, -3	Hexachlorocyc lopentadiene	37%	J-/R	L2307196-03
				4-Chloroaniline	39%		
	LCS/LCSD	SW8081B	WG1743531 -2, -3	Various	RPD High	J+/None	L2307196-01 through 16
L2307511	LCSD	SW8260D	WG1744284 -3 -4	Carbon disulfide	132%	J/None	None, samples are ND
			WG1744431 -3, -4	Carbon disulfide	132%		
	WG1744850 -3, -4		Carbon disulfide	172%/ 174%			
			Vinyl acetate	133%			
	WG1745142 -3, -4		Carbon disulfide	160%/159%			

SDG #	Sample Type	Method	Batch ID	Analyte	%R/RPD	Qualifier	Affected Samples
L2307511	LCSD	SW8260D	WG1745181 -3, -4	Carbon disulfide	143%	J/None	None, samples are ND
L2307677			LCS/LCSD	WG1744802 -12, -13	Chloromethane	134%	
	Acetone				142%/150%	J/None	L2307677-06
	LCSD		Carbon disulfide		174%/185%	J/None	None, samples are ND
			Vinyl acetate		133%		
	LCS/LCSD		o-Chlorotoluene		131%		
			WG1744802 -3, -4		Carbon disulfide		
	LCS/LCSD		WG1745352 -3, -4	Carbon disulfide	172%/177%		
	LCS/LCSD		WG1745655 -3, -4	Carbon disulfide	171%/164%		
LCSD	SW8270E		WG1744747 -2, -3	Bis(2-chloroisopropyl)ether	38%	J-/R	L2307677-01 through -09
LCS/LCSD		WG1744747 -2, -3	Benzoic Acid	RPD=61	J+/None	None, samples are ND	
LCSD		WG1744747 -2, -3	1,4-Dioxane	38%	J-/R	L2307677-01 through -09	

1.9 MATRIX SPIKE SAMPLES

Refer to section E 1.4. The sample(s) below were used for matrix spike/matrix spike duplicate (MS/MSD):

Lab Sample Number	Matrix Spike/Matrix Spike Duplicate Sample Client ID	Method(s)
L2305570-01	HA-06 (2-4')	SW8260D
L2305570-18	HA-16 (6-8')	SW6020B
L2305934-06	HA-05 (6-8')	SW7471B, SW8081B, SW8082A, SW8260D, SW8270E, SW6010D
L2305934-10	FIELD BLANK 02022023	SW7471B
L2305935-01	HA-24 (0-2')	SW6010DR
L2307196-05	HA-09 (2-4')	SW7471B, SW8081B, SW8082A, SW8260D, SW8270E, SW6010D
L2307512-02	HA-26 (13-15')	SW7470AR, SW7471B
L2307512-03	HA-26 (15-17')	SW7470AR, SW7471B
L2307677-01	HA-13 (2-4')	SW7471B, SW8081B, SW8082A, SW8260D, SW8270E, SW6010D

Lab Sample Number	Matrix Spike/Matrix Spike Duplicate Sample Client ID	Method(s)
L2310952-08	HA-18 (14-16')	SW6010DR
L2310952-09	DUP_1_02132023	SW7470AR
L2310952-07	HA-18 (10-12')	SW7470AR
L2310952-21	HA-12(10-12')	SW6010DR
L2310952-40	HA-19 (10-12')	SW7470AR
L2310952-39	HA-19 (6-8')	SW6010DR
L2310952-42	HA-21 (6-8')	SW6010DR

The MS/MSD recoveries and the RPD between the MS and MSD results were within the specified limits with the following exceptions:

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples	
MS/MSD	SW8260D	HA-05 (6-8')	Various	Low recovery	J/UJ	L2305934-06	
			Carbon disulfide	146%	J/None	None, samples are ND	
			Trichloroethene	RPD=34			
MS	SW8270E		2,4-Dinitrophenol	0%	J/UJ	L2305934-06	
MS/MSD			Benzoic Acid	0%/0%	J/UJ		
MS/MSD	SW6010D		Aluminum	453%/1030%	NA	None, native sample > 4x the spike added	
MS			Arsenic	148%	J+/None	L2305934-01 through -09	
MS/MSD			Barium	196% RPD=28			
			Copper	243%/131%		None, native sample > 4x the spike added	
MS			Iron	655%			
MS/MSD			Lead	573%/1320% RPD=45		L2305934-01 through -09	
MSD			Magnesium	158%			
MS			Manganese	148%			
MSD			Potassium	144%			
MS/MSD		SW8260D	HA-09 (2-4')	Carbon disulfide	162%/162%	J/None	None, samples are ND
MS				Vinyl acetate	69%	J/UJ	L2307196-05
MSD	SW8270E	4-Chloroaniline		38%			

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS/MSD	SW8270E	HA-09 (2-4')	Benzoic Acid	0%/0%	J/UJ	L2307196-05
	SW6010D		Aluminum	941%/674%	NA	None, native sample > 4x the spike added
			Antimony	71% RPD=21	J-/UJ	L2307196-01 through -17
			Calcium	45%/56%		
			Iron	0%/0%	NA	None, native sample > 4x the spike added
MS			Manganese	58%	J-/UJ	L2307196-01 through -17
MS/MSD	SW7471B	HA-26 (13-15')	Mercury Total	183%/0% RPD=99	NA	None, native sample > 4x the spike added
		HA-26 (15-17')	Mercury Total	136% RPD=45	J+/None	L2307512-01 through 05
	SW8260D	HA-13 (2-4')	Various	Low recovery	J/UJ	L2307677-01
	Carbon disulfide		RPD=38	J/None	None, samples are ND	
MSD	SW8270E		Phenanthrene	34%	J/UJ	L2307677-01
MS/MSD			2,4-Dinitrophenol	0%/0%	J/UJ	
			Benzoic Acid	0%/0%		
			SW8082A	Aroclor 1016	175%/168%	J/None
MS	SW8081B		4,4'-DDT	153%		
MS/MSD	SW6010D		Aluminum	0%/0%	NA	None, native sample > 4x the spike added
			Barium	43%/71%	J-/UJ	L2307677-01 through -09
			Calcium	271%/70%	NA	None, native sample > 4x the spike added
			Chromium	27%/26%	J-/UJ	L2307677-01 through -09
			Copper	46%/23%		
		Iron	1300%/0%	NA		

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS/MSD	SW6010D	HA-13 (2-4')	Lead	0%/509% RPD=50		None, native sample > 4x the spike added
			Magnesium	0%/0%	J-/R	L2307677-01 through -09
			Manganese	0%/0%	NA	None, native sample > 4x the spike added
			Zinc	182%/0% RPD=32		
	SW7471B		Mercury	51%/24%	J-/UJ	L2307677-01 through -09

1.10 BLANK SAMPLE ANALYSIS

[Refer to section E 1.5.](#) Method blank samples had no detections, indicating that no contamination from laboratory activities occurred with the following exceptions:

SDG	Batch ID	Analyte Detected in Blank	Concentration	Qualifier	Affected Samples
L2305570	WG1741610-5	Styrene	0.20 J µg/kg	NA	None, samples are ND
	WG1740068-1	Sodium, Total	1.61 J mg/kg	NA	None, samples are >10x blank
L2305934	WG1741518-5	Bromomethane	0.58 J µg/kg	NA	None, samples are ND
	WG1740633-1	Antimony	0.353 J mg/kg	RL U	L2305934-01 through 09
		Chromium	0.052 J mg/kg	NA	None, samples are >10x blank
		Iron	0.700 J mg/kg		
	WG1740634-1	Thallium	0.00019 J mg/kg	NA	None, samples are ND
	WG1743767-5	1,2,3-Trichlorobenzene	17 J µg/kg	NA	None, samples are ND
		1,2,4-Trichlorobenzene	15 J µg/kg	NA	None, samples are ND
	WG1743768-5	1,2,3-Trichlorobenzene	0.34 J µg/kg	NA	None, samples are ND
		1,2,4-Trichlorobenzene	0.30 J µg/kg	NA	None, samples are ND
	WG1744288-12	Naphthalene	1.4 J	RL U	L2306883-25, -26
		1,2,3-Trichlorobenzene	0.42 J	NA	None, samples are ND
		1,2,4-Trichlorobenzene	0.29 J	NA	None, samples are ND
	WG1742999-1	Fluoranthene	0.02 J		
		Phenanthrene	0.03 J	RL U	L2306883-28
		Pyrene	0.02 J		
		2-Methylnaphthalene	0.03 J		
	WG1742620-1	Antimony	0.466 J	RL U	L2306883-01, -03, -06, -08, -09, -12, -13, -17 -18

SDG	Batch ID	Analyte Detected in Blank	Concentration	Qualifier	Affected Samples
L2305934	WG1742677-1	Thallium	0.00014 J	RL U	L2306883-28
	WG1744346-5	Acetone	5.6 J	J+	L2307196-04
L2307196	WG1743328-1	Various	Various	NA	None, samples are ND
	WG1743261-1	Thallium	0.00037 J	RL U	L2307196-17
L2307511	WG1744284-5	Acetone	240 J	NA	None, samples are ND
		Naphthalene	78 J	NA	None, samples are >10x blank
	WG1744431-5	Acetone	4.8 J	Result U	L2307511 -05, -06
				RL U	L2307511-01
				J+	L2307511-02
		Naphthalene	1.6 J	RL U	L2307511-01, -02, -05, -06
	WG1744850-5	Naphthalene	1.6 J	RL U	L2307511-08
	WG1745142-5	Naphthalene	38 J	NA	None, samples are >10x blank
		1,2,3-Trichlorobenzene	21 J	NA	None, samples are ND
		1,2,4-Trichlorobenzene	19 J		
	WG1745181-5	Naphthalene	1.5 J	RL U	L2307511-07
	WG1743554-1	Iron	2.88	NA	None, samples are >10x blank
L2307512	WG1743566-1	Mercury	0.00017 J	RL U	L2307512-06, -07
	WG1743930-1	Mercury	0.0008 J	RL U	L2307512-03
L2307677	WG1744802-14	Acetone	6.1 J	J+	L2307677-06
	WG1744300-1	Calcium	1.73 J	NA	None, samples are >10x blank
		Chromium	0.394 J		
		Iron	2.09		
		Magnesium	1.02 J		
		Manganese	0.066 J		
		Nickel	1.30 J	Result U	L2307677-07, -09
		Sodium	4.30 J	NA	None, samples are >10x blank

The analysis of the blank samples for field quality control was free of target compounds, with the following exceptions:

Blank Type	Date of Blank	Analyte Detected in Blank	Concentration (mg/L)	Qualifier	Affected Samples
Field Blank	2/2/2023	Chromium	0.00024 J	NA	None, samples are >10x blank
	2/1/2023	Mercury	0.0001 J		
	2/8/2023	Mercury	0.00009 J		

1.11 DUPLICATE SAMPLE ANALYSIS

[Refer to section E 1.6.](#) The following sample(s) were used for laboratory duplicate analysis and the RPDs were all below 20 percent (or the absolute difference rule was satisfied if detects were less than 5 times the RL):

Lab Sample Number	Laboratory Duplicate Sample Client ID	Method(s)
L2305570-18	HA-16 (6-8')	SW7471B
L2305570-01	HA-06 (2-4')	SM2540G
L2305935-01	HA-24 (0-2')	SW6010DR
L2306883-11	HA-10 (10-12')	SM2540G
L2307196-05	HA-09 (2-4')	
L2307512-02	HA-26 (13-15')	
L2307677-01	HA-13 (2-4')	
L2310952-08	HA-18 (14-16')	SW6010DR
L2310952-09	DUP_1_02132023	SW7470AR
L2310952-07	HA-18 (10-12')	
L2310952-21	HA-12(10-12')	SW6010DR
L2310952-40	HA-19 (10-12')	SW7470AR
L2310952-39	HA-19 (6-8')	SW6010DR
L2310952-42	HA-21 (6-8')	
L2305934-10	FIELD BLANK 02022023	SW7471B
L2305934-06	HA-05 (6-8')	SM2540G

The following sample(s) were used for field duplicate analysis. RPDs were all below 50 percent for soil (or the absolute difference rule was satisfied if detects were less than 5 times the RL). Any exceptions are noted below and qualified.

Primary Sample ID	Duplicate Sample ID	Method(s)
HA-04 (6-8)	DUP_1_02022023	SM2540G, SW6010D, SW7471B, SW8081B, SW8082A, SW8260D, SW8270E

Primary Sample ID	Duplicate Sample ID	Method(s)
HA-19 (10-12)	DUP_1_02082023	SM2540G, SW6010D, SW7471B, SW8081B, SW8082A, SW8260D, SW8270E, SW6010DR, SW7470AR
HA-26 (11-13)	DUP-1_02102023	SM2540G, SW7471B, SW7470AR
HA-26 (13-15)	DUP-2_02102023	SM2540G, SW7471B, SW7470AR
HA-18 (10-12)	DUP_1_02132023	SM2540G, SW6010D, SW7471B, SW8081B, SW8082A, SW8260D, SW8270E, SW6010DR, SW7470AR

Field Duplicate RPD Calculations:

Method	Analyte	Units	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
			HA-04 (6-8)	DUP_1_02022023		
SW8260D	Acetone	µg/kg	14	52	115	J/UJ, Abs. Diff. > RL
SW6010D	Arsenic	mg/kg	26.6	4.98	137	J/UJ, RPD>50
	Barium		510	90.2	140	J/UJ, RPD>50
SW8260D	Benzene	µg/kg	0.84	2	82	J/UJ, Abs. Diff. > RL
SW6010D	Cadmium	mg/kg	1.64	0.159	165	J/UJ, Abs. Diff. > RL
	Calcium		26600	4780	139	J/UJ, RPD>50
	Copper		89.1	30.1	99	J/UJ, RPD>50
SW8270E	Fluoranthene	µg/kg	58	260	127	J/UJ, Abs. Diff. > RL
SW6010D	Iron	mg/kg	24100	13000	60	J/UJ, RPD>50
	Lead		746	394	62	J/UJ, RPD>50
SW8270E	Phenanthrene	µg/kg	40	210	136	J/UJ, Abs. Diff. > RL
SW6010D	Potassium	mg/kg	615	1040	51	J/UJ, Abs. Diff. > RL
SW8270E	Pyrene	µg/kg	47	180	117	J/UJ, Abs. Diff. > RL
SW6010D	Zinc	mg/kg	531	190	95	J/UJ, RPD>50

Method	Analyte	Units	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
			HA-19 (10-12)	DUP_1_02082023		
SW8260D	1,2,4,5-Tetramethylbenzene	µg/kg	6400	580	NA	J/UJ, Abs. Diff. > RL
	1,2,4-Trimethylbenzene		2100	ND	159	J/UJ, RPD>50
	1,4-Diethylbenzene		1900	260	NA	J/UJ, Abs. Diff. > RL
SW8270E	2-Methylnaphthalene		3100	ND	NA	J/UJ, Abs. Diff. > RL
SW8260D	2-Phenylbutane (sec-Butylbenzene)		600	180	NA	J/UJ, Abs. Diff. > RL
	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)		2400	ND	164	J/UJ, RPD>50
	Benzene		790	14	NA	J/UJ, Abs. Diff. > RL
SW8270E	Benzo(b)fluoranthene		730	ND	NA	J/UJ, Abs. Diff. > RL
SW6010D	Calcium	mg/kg	12800	6080	71	J/UJ, RPD>50
	Chromium		19.9	6.89	97	J/UJ, RPD>50
SW8260D	Ethylbenzene	µg/kg	1600	89	NA	J/UJ, Abs. Diff. > RL
SW8270E	Fluoranthene		770	ND	NA	J/UJ, Abs. Diff. > RL
SW6010D	Iron	mg/kg	15700	8890	55	J/UJ, RPD>50
SW8260D	Isopropylbenzene	ug/kg	530	390	NA	J/UJ, Abs. Diff. > RL
SW6010D	Lead	mg/kg	602	1010	51	J/UJ, RPD>50
SW6010DR	Lead	mg/L	5.49	12.4	77	J/UJ, RPD>50
Method	Analyte	Units	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
			HA-26 (11-13)	DUP-1_02102023		
SW7471B	Mercury	mg/kg	0.502	0.162	NA	J/UJ, Abs. Diff. > RL
Method	Analyte	Units	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
			HA-26 (13-15)	DUP-2_02102023		
SW7471B	Mercury	mg/kg	7.1	1.84	118	J/UJ, RPD>50

Method	Analyte	Units	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
			HA-18 (10-12)	DUP_1_02132023		
SW6010D	Cobalt	mg/kg	3.05	8.36	93	J/UJ, Abs. Diff. > RL
SW8270E	Fluoranthene	µg/kg	280	27	165	J/UJ, Abs. Diff. > RL
SW6010D	Lead	mg/kg	518	1220	81	J/UJ, RPD>50
SW7471B	Mercury		11.7	5.28	76	J/UJ, RPD>50
SW8270E	Pyrene	µg/kg	250	23	166	J/UJ, Abs. Diff. > RL
SW6010D	Silver	mg/kg	5.3	1.43	115	J/UJ, Abs. Diff. > RL
SW6010D	Zinc		64.1	160	86	J/UJ, RPD>50

1.12 PRECISION AND ACCURACY

[Refer to section E 1.7.](#) Where required by the method, some measurement of analytical accuracy and precision was reported for each method with the site samples.

1.13 CONFIRMATION COLUMN REVIEW

[Refer to section E 1.8.](#) All relative percent differences (RPD) were within control limits, with the following exceptions:

Method	Analyte	Sample	RPD	Action
SW8081B	4,4'-DDE	L2305570-01	> 40%	Qualify data estimated J/UJ.
SW8081B	Heptachlor epoxide	L2305570-05	> 40%	Qualify data estimated J/UJ.
SW8081B	Heptachlor epoxide	L2305570-09	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	L2305570-13	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDD	L2305570-15	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	L2305934-01	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	L2305934-01	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-BHC	L2305934-04	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	L2305934-05	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDE	L2306883-01	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDD	L2306883-04	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	L2306883-04	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	L2306883-09	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDE	L2306883-09	> 40%	Qualify data estimated J/UJ.
SW8081B	Aroclor-1260 (PCB-1260)	L2306883-09	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	L2306883-10	> 40%	Qualify data estimated J/UJ.

Method	Analyte	Sample	RPD	Action
SW8081B	alpha-Chlordane (cis)	L2306883-10	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	L2306883-11	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	L2306883-13	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	L2306883-14	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	L2306883-15	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	L2306883-16	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	L2306883-17	> 40%	Qualify data estimated J/UJ.
SW8081B	Heptachlor epoxide	L2306883-18	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDE	L2306883-18	> 40%	Qualify data estimated J/UJ.
SW8081B	Heptachlor epoxide	L2306883-23	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	L2306883-23	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-BHC	L2306883-26	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	L2306883-26	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-BHC	L2306883-27	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	L2306883-27	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDD	L2307196-01	> 40%	Qualify data estimated J/UJ.
SW8081B	Methoxychlor	L2307196-01	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	L2307196-03	> 40%	Qualify data estimated J/UJ.
SW8081B	Methoxychlor	L2307196-05	> 40%	Qualify data estimated J/UJ.
SW8081B	Heptachlor epoxide	L2307196-06	> 40%	Qualify data estimated J/UJ.
SW8081B	Methoxychlor	L2307196-06	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	L2307196-09	> 40%	Qualify data estimated J/UJ.
SW8081B	Methoxychlor	L2307196-09	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	L2307196-12	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	L2307511-01	> 40%	Qualify data estimated J/UJ.
SW8081B	Dieldrin	L2307511-01	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDD	L2307511-01	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDE	L2307511-01	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	L2307511-01	> 40%	Qualify data estimated J/UJ.

Method	Analyte	Sample	RPD	Action
SW8081B	gamma-Chlordane (trans)	L2307511-01	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	L2307511-03	> 40%	Qualify data estimated J/UJ.
SW8081B	gamma-Chlordane (trans)	L2307511-03	> 40%	Qualify data estimated J/UJ.
SW8081B	Chlordane	L2307677-01	> 40%	Qualify data estimated J/UJ.
SW8081B	4,4'-DDT	L2307677-03	> 40%	Qualify data estimated J/UJ.
SW8081B	Dieldrin	L2307677-03	> 40%	Qualify data estimated J/UJ.
SW8081B	alpha-Chlordane (cis)	L2307677-05	> 40%	Qualify data estimated J/UJ.
SW8081B	Chlordane	L2307677-06	> 40%	Qualify data estimated J/UJ.

1.14 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The results presented in this report were found to comply with the data quality objectives for the project and the guidelines specified by the analytical method. Based on the review of this report, the data are useable and acceptable as no data was rejected. except for rejected data noted below. A summary of qualifiers applied to this data set is shown in Table 1.

2. Explanations

The following explanations include more detailed information regarding each of the sections in the DUSR above. Not all sections in the Explanations are represented:

- E 1.1 Reporting Basis (Wet/Dry)
 - Soil samples can be reported on either a wet (as received) or dry weight basis. Dry weight data indicate calculations were made to compensate for the moisture content of the soil sample.
 - Percent (%) solids should be appropriately considered when evaluating analytical results for non-aqueous samples. Sediments with high moisture content may or may not be successfully analyzed by routine analytical methods. Samples should have greater than or equal to 30 percent solids to be appropriately quantified.
- E 1.2 Surrogate Recovery Compliance
 - Surrogates, also known as system monitoring compounds, are compounds added to each sample prior to sample preparation to determine the efficiency of the extraction procedure by evaluating the percent recovery (%R) of the compounds.
- E 1.3 Laboratory Control Samples
 - The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.4 Matrix Spike Samples
 - Matrix spike/matrix spike duplicate (MS/MSD) data are used to assess the precision and accuracy of the analytical method and evaluate the effects of the sample matrix on the sample preparation procedures and measurement methodologies.
 - For inorganic methods, when a matrix spike recovery falls outside of the control limits and the sample result is less than four times the spike added, a post digestion spike (PDS) is performed.
- E 1.5 Blank Sample Analysis
 - Method blanks are prepared by the analytical laboratory and analyzed concurrently with the project samples to assess possible laboratory contamination.
 - Field blanks are prepared to identify contamination that may have been introduced during field activity. Equipment blanks are prepared to identify contamination that may have been introduced while decontaminating sampling equipment. Trip blanks are prepared when volatile analysis is requested to identify contamination that may have been introduced during transport.
- E 1.6 Laboratory and Field Duplicate Sample Analysis
 - The laboratory duplicate sample analysis is used by the laboratory at the time of the analysis to demonstrate acceptable method precision. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.

- The field duplicate sample analysis is used to assess the precision of the field sampling procedures and analytical method. The relative percent difference (RPD) or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.
- E 1.7 Precision and Accuracy
 - Precision measures the reproducibility of repetitive measurements. In a laboratory environment, this will be measured by determining the relative percent difference (RPD) found between a primary and a duplicate sample. This can be an LCS/LCSD pair, a MS/MSD pair, a laboratory duplicate performed on a site sample, or a field duplicate collected and analyzed concurrently with a site sample.
 - Accuracy is a statistical measurement of the correctness of a measured value and includes components of random error (variability caused by imprecision) and systematic error. In a laboratory environment, this will be measured by determining the percent recovery (%R) of certain spiked compounds. This can be assessed using LCS, blank spike (BS), MS, and/or surrogate recoveries.
- E 1.8 Confirmation Column Review
 - When analyzing for pesticides and polychlorinated biphenyls (PCB), compound identification based on single-column analysis should be confirmed on a second column or supported by at least one other qualitative technique. When confirmed on a second column, the relative percent difference (RPD) should not exceed 40 percent.

3. Glossary

Not all of the following symbols, acronyms, or qualifiers occur in this document.

- Sample Types:
 - EB Equipment Blank Sample
 - FB Field Blank Sample
 - FD Field Duplicate Sample
 - N Primary Sample
 - TB Trip Blank Sample
- Units:
 - $\mu\text{g/kg}$ microgram per kilogram
 - $\mu\text{g/L}$ microgram per liter
 - $\mu\text{g/m}^3$ microgram per cubic meter
 - mg/kg milligram per kilogram
 - mg/L milligram per liter
 - ppb v/v parts per billion volume/volume
 - pCi/L picocuries per liter
 - pg/g picograms per gram
- Matrices:
 - AA Ambient Air
 - GS Soil Gas
 - GW/WG Groundwater
 - QW Water Quality
 - IA Indoor Air
 - SE Sediment
 - SO Soil
 - SSV Sub-slab Vapor
 - WQ Water Quality control matrix
 - WS Surface Water
- Table Footnotes:
 - NA Not applicable
 - ND Non-detect
 - NR Not reported
- Common Symbols:
 - % percent
 - < less than
 - $\leq$ less than or equal to
 - > greater than
 - $\geq$ greater than or equal to
 - = equal
 - $^{\circ}\text{C}$ degrees Celsius
 - $\pm$ plus or minus
 - $\sim$ approximately
 - x times (multiplier)

4. Abbreviations

%D	Percent Difference	MS/MSD	Matrix Spike/Matrix Spike Duplicate
%R	Percent Recovery	NA	not applicable
%RSD	Percent Relative Standard Deviation	ND	Non-Detect
%v/v	Percent volume by volume	NFG	National Functional Guidelines
µg/L	micrograms per liter	NH ₃	Ammonia
2s	2 sigma	NYSDEC	New York State Department of Environmental Conservation
4,4-DDT	4 4-dichlorodiphenyltrichloroethane	PAH	polycyclic aromatic hydrocarbon
Abs Diff	Absolute Difference	PCB	Polychlorinated Biphenyl
amu	atomic mass unit	PDS	Post Digestion Spike
BPJ	Best Professional Judgement	PEM	Performance Evaluation Mixture
BS	Blank Spike	PFAS	Per- and Polyfluoroalkyl Substances
CCB	Continuing Calibration Blank	PFBA	Perfluorobutanoic Acid
CCV	Continuing Calibration Verification	PFD	Perfluorodecalin
CCVL	Continuing Calibration Verification Low	PFOA	Perfluorooctanoic Acid
COC	Chain of Custody	PFOS	Perfluorooctane sulfonate
COM	Combined Isotope Calculation	PFPeA	Perfluoropentanoic Acid
Cr (VI)	Hexavalent Chromium	QAPP	Quality Assurance Project Plan
CRI	Collision Reaction Interface	QC	Quality Control
DoD	Department of Defense	QSM	Quality Systems Manual
DQO	data quality objective	R ²	R-squared value
DUSR	Data Usability Summary Report	Ra-226	Radium-226
EMPC	Estimated Maximum Possible Concentration	Ra-228	Radium-228
FBK	Field Blank Contamination	RESC	Resolution Check Measure
FDP	Field Duplicate	RL	Laboratory Reporting Limit
GC	Gas Chromatograph	RPD	Relative Percent Difference
GC/MS	Gas Chromatography/Mass Spectrometry	RRF	Relative Response Factors
GPC	Gel Permeation Chromatography	RT	Retention Time
H ₂	Hydrogen gas	SAP	sampling analysis plan
HCl	Hydrochloric Acid	SDG	Sample Delivery Group
ICAL	Initial Calibration	SIM	Selected ion monitoring
ICB	Initial Calibration Blank	SOP	Laboratory Standard Operating Procedures
ICP/MS	Inductively Coupled Plasma/ Mass Spectrometry	SPE	Solid Phase Extraction
ICV	Initial Calibration Verification	SVOC	Semi-Volatile Organic Compounds
ICVL	Initial Calibration Verification Low	TCLP	Toxicity Characteristic Leaching Procedure
IPA	Isopropyl Alcohol	TIC	Tentatively Identified Compound
LC	Laboratory Control	TKN	Total Kjeldahl Nitrogen
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate	TPH	Total Petroleum Hydrocarbon
MBK	Method Blank Contamination	TPU	Total Propagated Uncertainty
MDC	Minimum Detectable Concentration	amu	atomic mass unit
MDL	Laboratory Method Detection Limit	USEPA	U.S. Environmental Protection Agency
mg/kg	milligrams per kilogram	VOC	Volatile Organic Compounds
		WP	Work Plan

5. Qualifiers

The qualifiers below are from the USEPA National Functional Guidelines and the data in the DUSR may contain these qualifiers:

- Concentration (C) Qualifiers:
 - U The compound was analyzed for but not detected. The associated value is either the compound quantitation limit if not detected by the analytical instrument or could be the reported or blank concentration if qualified by blank contamination. This can also be displayed as less than the associated compound quantitation limit (<RL or <MDL), or “ND”.
 - B The compound was found in the sample and its associated blank. Its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers:
 - E The compound was quantitated above the calibration range.
 - D The concentration is based on a diluted sample analysis.
- Validation Qualifiers:
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - J+ The result is an estimated quantity, but the result may be biased high.
 - J- The result is an estimated quantity, but the result may be biased low.
 - J/UJ as listed in exception tables J applies to detected data and UJ applies to non-detected data as reported by the laboratory.
 - UJ The compound was not detected above the reported sample quantitation limit; however, the reported limit is estimated and may or may not represent the actual limit of quantitation.
 - NJ The analysis indicated the presence of a compound for which there is presumptive evidence to make a tentative identification; the associated numerical value is an estimated concentration only.
 - R The sample results were rejected as unusable; the compound may or may not be present in the sample.
 - S Result is suspect. See DUSR for details.

References

1. United States Environmental Protection Agency, 2020a. National Functional Guidelines for Inorganic Superfund Methods Data Review. EPA-542-R-20-006. November 2020.
2. United States Environmental Protection Agency, 2020b. National Functional Guidelines for Organic Superfund Methods Data Review. EPA-540-R-20-005. November 2020.

TABLE 1
SYSTEM PERFORMANCE SUMMARY
556 BALTIC STREET SITE RIR
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2306883	SW8260D	NA	HA-02 (14-16)	L2306883-08	n-Propylbenzene	N	No	30000	30000 R	EXE
L2307511	SW8270E	NA	HA-03 (10-12)	L2307511-03	Anthracene	N	No	9500	9500 R	EXE
L2307511	SW8270E	NA	HA-03 (10-12)	L2307511-03	Benzo(a)anthracene	N	No	19000	19000 R	EXE
L2307511	SW8270E	NA	HA-03 (10-12)	L2307511-03	Benzo(a)pyrene	N	No	17000	17000 R	EXE
L2307511	SW8270E	NA	HA-03 (10-12)	L2307511-03	Benzo(b)fluoranthene	N	No	22000	22000 R	EXE
L2307511	SW8270E	NA	HA-03 (10-12)	L2307511-03	Chrysene	N	No	14000	14000 R	EXE
L2307511	SW8270E	NA	HA-03 (10-12)	L2307511-03	Fluoranthene	N	No	20000	20000 R	EXE
L2307511	SW8270E	NA	HA-03 (10-12)	L2307511-03	Indeno(1,2,3-cd)pyrene	N	No	8400	8400 R	EXE
L2307511	SW8270E	NA	HA-03 (10-12)	L2307511-03	Phenanthrene	N	No	21000	21000 R	EXE
L2307511	SW8270E	NA	HA-03 (10-12)	L2307511-03	Pyrene	N	No	20000	20000 R	EXE
L2307511	SW8260D	NA	HA-03 (14-16)	L2307511-04	1,2,4-Trimethylbenzene	N	No	30000	30000 R	EXE
L2307511	SW8260D	NA	HA-03 (14-16)	L2307511-04	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	N	No	19000	19000 R	EXE
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Naphthalene	N	No	320	320 R	EXE
L2307196	SW8270E	NA	HA-07 (2-4)	L2307196-01	Fluoranthene	N	No	12000	12000 R	EXE
L2307196	SW8270E	NA	HA-07 (2-4)	L2307196-01	Pyrene	N	No	9500	9500 R	EXE
L2305570	SW8270E	NA	HA-08 (2-4)	L2305570-05	Benzo(a)pyrene	N	No	7400	7400 R	EXE
L2305570	SW8270E	NA	HA-08 (2-4)	L2305570-05	Benzo(b)fluoranthene	N	No	8300	8300 R	EXE
L2305570	SW8270E	NA	HA-08 (2-4)	L2305570-05	Fluoranthene	N	No	17000	17000 R	EXE
L2305570	SW8270E	NA	HA-08 (2-4)	L2305570-05	Phenanthrene	N	No	11000	11000 R	EXE
L2305570	SW8270E	NA	HA-08 (2-4)	L2305570-05	Pyrene	N	No	14000	14000 R	EXE
L2307196	SW8270E	NA	HA-12 (10-12)	L2307196-15	Benzo(a)anthracene	N	No	8200	8200 R	EXE
L2307196	SW8270E	NA	HA-12 (10-12)	L2307196-15	Benzo(a)pyrene	N	No	8500	8500 R	EXE
L2307196	SW8270E	NA	HA-12 (10-12)	L2307196-15	Benzo(b)fluoranthene	N	No	9300	9300 R	EXE
L2307196	SW8270E	NA	HA-12 (10-12)	L2307196-15	Chrysene	N	No	8800	8800 R	EXE
L2307196	SW8270E	NA	HA-12 (10-12)	L2307196-15	Fluoranthene	N	No	22000	22000 R	EXE
L2307196	SW8270E	NA	HA-12 (10-12)	L2307196-15	Phenanthrene	N	No	23000	23000 R	EXE
L2307196	SW8270E	NA	HA-12 (10-12)	L2307196-15	Pyrene	N	No	20000	20000 R	EXE
L2307196	SW8270E	NA	HA-12 (6-8)	L2307196-14	Acenaphthene	N	No	7900	7900 R	EXE
L2307196	SW8270E	NA	HA-12 (6-8)	L2307196-14	Benzo(a)anthracene	N	No	7700	7700 R	EXE
L2307196	SW8270E	NA	HA-12 (6-8)	L2307196-14	Benzo(a)pyrene	N	No	8000	8000 R	EXE
L2307196	SW8270E	NA	HA-12 (6-8)	L2307196-14	Benzo(b)fluoranthene	N	No	8400	8400 R	EXE
L2307196	SW8270E	NA	HA-12 (6-8)	L2307196-14	Chrysene	N	No	8000	8000 R	EXE
L2307196	SW8270E	NA	HA-12 (6-8)	L2307196-14	Fluoranthene	N	No	20000	20000 R	EXE
L2307196	SW8270E	NA	HA-12 (6-8)	L2307196-14	Phenanthrene	N	No	24000	24000 R	EXE
L2307196	SW8270E	NA	HA-12 (6-8)	L2307196-14	Pyrene	N	No	18000	18000 R	EXE
L2306883	SW8260D	NA	HA-19 (14-16)	L2306883-20	n-Propylbenzene	N	No	150000	150000 R	EXE
L2306883	SW8270E	NA	HA-21 (6-8)	L2306883-23	Fluoranthene	N	No	13000	13000 R	EXE
L2306883	SW8270E	NA	HA-21 (6-8)	L2306883-23	Phenanthrene	N	No	14000	14000 R	EXE
L2306883	SW8270E	NA	HA-21 (6-8)	L2306883-23	Pyrene	N	No	11000	11000 R	EXE
L2305934	SW6010D	NA	DUP_1_02022023	L2305934-09	Cadmium	N	Yes	0.159 J	0.159 J	FDP
L2305934	SW6010D	NA	DUP_1_02022023	L2305934-09	Calcium	N	Yes	4780	4780 J	FDP
L2305934	SW6010D	NA	DUP_1_02022023	L2305934-09	Copper	N	Yes	30.1	30.1 J	FDP
L2305934	SW6010D	NA	DUP_1_02022023	L2305934-09	Iron	N	Yes	13000	13000 J	FDP
L2305934	SW6010D	NA	DUP_1_02022023	L2305934-09	Lead	N	Yes	394	394 J	FDP
L2305934	SW6010D	NA	DUP_1_02022023	L2305934-09	Zinc	N	Yes	190	190 J	FDP
L2305934	SW8260D	NA	DUP_1_02022023	L2305934-09	Acetone	N	Yes	52	52 J	FDP
L2305934	SW8260D	NA	DUP_1_02022023	L2305934-09	Benzene	N	Yes	2	2 J	FDP
L2305934	SW8270E	NA	DUP_1_02022023	L2305934-09	Fluoranthene	N	Yes	260	260 J	FDP
L2305934	SW8270E	NA	DUP_1_02022023	L2305934-09	Phenanthrene	N	Yes	210	210 J	FDP

TABLE 1
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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2305934	SW8270E	NA	DUP_1_02022023	L2305934-09	Pyrene	N	Yes	180	180 J	FDP
L2306883	SW6010D	NA	DUP_1_02082023	L2306883-27	Calcium	N	Yes	6080	6080 J	FDP
L2306883	SW6010D	NA	DUP_1_02082023	L2306883-27	Chromium	N	Yes	6.89	6.89 J	FDP
L2306883	SW6010D	NA	DUP_1_02082023	L2306883-27	Iron	N	Yes	8890	8890 J	FDP
L2306883	SW6010D	NA	DUP_1_02082023	L2306883-27	Lead	N	Yes	1010	1010 J	FDP
L2310952	SW6010DR	NA	DUP_1_02082023	L2310952-46	Lead	N	Yes	12.4	12.4 J	FDP
L2306883	SW8260D	NA	DUP_1_02082023	L2306883-27	1,2,4,5-Tetramethylbenzene	N	Yes	580	580 J	FDP
L2306883	SW8260D	NA	DUP_1_02082023	L2306883-27	1,2,4-Trimethylbenzene	N	Yes	U	UJ	FDP
L2306883	SW8260D	NA	DUP_1_02082023	L2306883-27	1,4-Diethylbenzene	N	Yes	260	260 J	FDP
L2306883	SW8260D	NA	DUP_1_02082023	L2306883-27	2-Phenylbutane (sec-Butylbenzene)	N	Yes	180	180 J	FDP
L2306883	SW8260D	NA	DUP_1_02082023	L2306883-27	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	N	Yes	U	UJ	FDP
L2306883	SW8260D	NA	DUP_1_02082023	L2306883-27	Benzene	N	Yes	14 J	14 J	FDP
L2306883	SW8260D	NA	DUP_1_02082023	L2306883-27	Ethylbenzene	N	Yes	89	89 J	FDP
L2306883	SW8260D	NA	DUP_1_02082023	L2306883-27	Isopropylbenzene (Cumene)	N	Yes	390	390 J	FDP
L2306883	SW8270E	NA	DUP_1_02082023	L2306883-27	2-Methylnaphthalene	N	Yes	U	UJ	FDP
L2306883	SW8270E	NA	DUP_1_02082023	L2306883-27	Benzo(b)fluoranthene	N	Yes	U	UJ	FDP
L2306883	SW8270E	NA	DUP_1_02082023	L2306883-27	Fluoranthene	N	Yes	U	UJ	FDP
L2307677	SW6010D	NA	DUP_1_02132023	L2307677-09	Cobalt	N	Yes	8.36	8.36 J	FDP
L2307677	SW6010D	NA	DUP_1_02132023	L2307677-09	Silver	N	Yes	1.43	1.43 J	FDP
L2307677	SW6010D	NA	DUP_1_02132023	L2307677-09	Zinc	N	Yes	160	160 J	FDP
L2307677	SW8270E	NA	DUP_1_02132023	L2307677-09	Fluoranthene	N	Yes	27 J	27 J	FDP
L2307677	SW8270E	NA	DUP_1_02132023	L2307677-09	Pyrene	N	Yes	23 J	23 J	FDP
L2305934	SW6010D	NA	HA-04 (6-8)	L2305934-02	Cadmium	N	Yes	1.64	1.64 J	FDP
L2305934	SW6010D	NA	HA-04 (6-8)	L2305934-02	Calcium	N	Yes	26600	26600 J	FDP
L2305934	SW6010D	NA	HA-04 (6-8)	L2305934-02	Copper	N	Yes	89.1	89.1 J	FDP
L2305934	SW6010D	NA	HA-04 (6-8)	L2305934-02	Iron	N	Yes	24100	24100 J	FDP
L2305934	SW6010D	NA	HA-04 (6-8)	L2305934-02	Lead	N	Yes	746	746 J	FDP
L2305934	SW6010D	NA	HA-04 (6-8)	L2305934-02	Zinc	N	Yes	531	531 J	FDP
L2305934	SW8260D	NA	HA-04 (6-8)	L2305934-02	Acetone	N	Yes	14	14 J	FDP
L2305934	SW8260D	NA	HA-04 (6-8)	L2305934-02	Benzene	N	Yes	0.84	0.84 J	FDP
L2305934	SW8270E	NA	HA-04 (6-8)	L2305934-02	Fluoranthene	N	Yes	58 J	58 J	FDP
L2305934	SW8270E	NA	HA-04 (6-8)	L2305934-02	Phenanthrene	N	Yes	40 J	40 J	FDP
L2305934	SW8270E	NA	HA-04 (6-8)	L2305934-02	Pyrene	N	Yes	47 J	47 J	FDP
L2307677	SW6010D	NA	HA-18 (10-12)	L2307677-07	Cobalt	N	Yes	3.05	3.05 J	FDP
L2307677	SW6010D	NA	HA-18 (10-12)	L2307677-07	Silver	N	Yes	5.3	5.3 J	FDP
L2307677	SW6010D	NA	HA-18 (10-12)	L2307677-07	Zinc	N	Yes	64.1	64.1 J	FDP
L2307677	SW8270E	NA	HA-18 (10-12)	L2307677-07	Fluoranthene	N	Yes	280	280 J	FDP
L2307677	SW8270E	NA	HA-18 (10-12)	L2307677-07	Pyrene	N	Yes	250	250 J	FDP
L2306883	SW6010D	NA	HA-19 (10-12)	L2306883-19	Calcium	N	Yes	12800	12800 J	FDP
L2306883	SW6010D	NA	HA-19 (10-12)	L2306883-19	Chromium	N	Yes	19.9	19.9 J	FDP
L2306883	SW6010D	NA	HA-19 (10-12)	L2306883-19	Iron	N	Yes	15700	15700 J	FDP
L2306883	SW6010D	NA	HA-19 (10-12)	L2306883-19	Lead	N	Yes	602	602 J	FDP
L2310952	SW6010DR	NA	HA-19 (10-12)	L2310952-40	Lead	N	Yes	5.49	5.49 J	FDP
L2306883	SW8260D	NA	HA-19 (10-12)	L2306883-19	1,2,4,5-Tetramethylbenzene	N	Yes	6400	6400 J	FDP
L2306883	SW8260D	NA	HA-19 (10-12)	L2306883-19	1,2,4-Trimethylbenzene	N	Yes	2100	2100 J	FDP
L2306883	SW8260D	NA	HA-19 (10-12)	L2306883-19	1,4-Diethylbenzene	N	Yes	1900	1900 J	FDP
L2306883	SW8260D	NA	HA-19 (10-12)	L2306883-19	2-Phenylbutane (sec-Butylbenzene)	N	Yes	600	600 J	FDP
L2306883	SW8260D	NA	HA-19 (10-12)	L2306883-19	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	N	Yes	2400	2400 J	FDP
L2306883	SW8260D	NA	HA-19 (10-12)	L2306883-19	Benzene	N	Yes	790	790 J	FDP

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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2306883	SW8260D	NA	HA-19 (10-12)	L2306883-19	Ethylbenzene	N	Yes	1600	1600 J	FDP
L2306883	SW8260D	NA	HA-19 (10-12)	L2306883-19	Isopropylbenzene (Cumene)	N	Yes	530	530 J	FDP
L2306883	SW8270E	NA	HA-19 (10-12)	L2306883-19	2-Methylnaphthalene	N	Yes	3100	3100 J	FDP
L2306883	SW8270E	NA	HA-19 (10-12)	L2306883-19	Benzo(b)fluoranthene	N	Yes	730	730 J	FDP
L2306883	SW8270E	NA	HA-19 (10-12)	L2306883-19	Fluoranthene	N	Yes	770	770 J	FDP
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,1,1,2-Tetrachloroethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,1,1-Trichloroethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,1,2,2-Tetrachloroethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,1,2-Trichloroethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,1-Dichloroethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,1-Dichloroethene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,1-Dichloropropene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,2,3-Trichlorobenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,2,3-Trichloropropane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,2,4,5-Tetramethylbenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,2,4-Trichlorobenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,2,4-Trimethylbenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,2-Dibromo-3-chloropropane (DBCP)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,2-Dibromoethane (Ethylene Dibromide)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,2-Dichlorobenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,2-Dichloroethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,2-Dichloroethane-d4	N	Yes	24.7	24.7 J	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,2-Dichloroethene (total)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,2-Dichloropropane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,3,5-Trimethylbenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,3-Dichlorobenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,3-Dichloropropane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,3-Dichloropropene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,4-Dichlorobenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,4-Diethylbenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	1,4-Dioxane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	2,2-Dichloropropane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	2-Butanone (Methyl Ethyl Ketone)	N	Yes	8.6 J	8.6 J	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	2-Chlorotoluene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	2-Hexanone (Methyl Butyl Ketone)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	2-Phenylbutane (sec-Butylbenzene)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	4-Bromofluorobenzene	N	Yes	22.4	22.4 J	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	4-Chlorotoluene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Acetone	N	Yes	55	55 J	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Acrylonitrile	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Benzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Bromobenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Bromodichloromethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Bromoform	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Bromomethane (Methyl Bromide)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Carbon disulfide	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Carbon tetrachloride	N	Yes	U	UJ	HTQ

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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Chlorobenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Chlorobromomethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Chloroethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Chloroform (Trichloromethane)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Chloromethane (Methyl Chloride)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Cymene (p-Isopropyltoluene)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Dibromochloromethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Dibromofluoromethane	N	Yes	22	22 J	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Dibromomethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Dichlorodifluoromethane (CFC-12)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Ethyl Ether	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Ethylbenzene	N	Yes	0.31 J	0.31 J	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Hexachlorobutadiene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Isopropylbenzene (Cumene)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Methyl Tert Butyl Ether (MTBE)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Methylene chloride (Dichloromethane)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Naphthalene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Styrene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Tetrachloroethene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Toluene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Toluene-D8	N	Yes	22.1	22.1 J	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Trichloroethene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Trichlorofluoromethane (CFC-11)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Vinyl acetate	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Vinyl chloride	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	Xylene (Total)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	cis-1,2-Dichloroethene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	cis-1,3-Dichloropropene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	m,p-Xylenes	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	n-Butylbenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	n-Propylbenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	o-Xylene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	tert-Butylbenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	trans-1,2-Dichloroethene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	trans-1,3-Dichloropropene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	DUP_1_02132023	L2307677-09	trans-1,4-Dichloro-2-butene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,1,1,2-Tetrachloroethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,1,1-Trichloroethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,1,2,2-Tetrachloroethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,1,2-Trichloroethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,1-Dichloroethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,1-Dichloroethene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,1-Dichloropropene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,2,3-Trichlorobenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,2,3-Trichloropropane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,2,4,5-Tetramethylbenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,2,4-Trichlorobenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,2,4-Trimethylbenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,2-Dibromo-3-chloropropane (DBCP)	N	Yes	U	UJ	HTQ

TABLE 1
SYSTEM PERFORMANCE SUMMARY
556 BALTIC STREET SITE RIR
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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,2-Dibromoethane (Ethylene Dibromide)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,2-Dichlorobenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,2-Dichloroethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,2-Dichloroethane-d4	N	Yes	22.3	22.3 J	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,2-Dichloroethene (total)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,2-Dichloropropane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,3,5-Trimethylbenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,3-Dichlorobenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,3-Dichloropropane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,3-Dichloropropene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,4-Dichlorobenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,4-Diethylbenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	1,4-Dioxane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	2,2-Dichloropropane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	2-Butanone (Methyl Ethyl Ketone)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	2-Chlorotoluene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	2-Hexanone (Methyl Butyl Ketone)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	2-Phenylbutane (sec-Butylbenzene)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	4-Bromofluorobenzene	N	Yes	20	20 J	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	4-Chlorotoluene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Acrylonitrile	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Benzene	N	Yes	0.2 J	0.2 J	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Bromobenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Bromodichloromethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Bromoform	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Bromomethane (Methyl Bromide)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Carbon disulfide	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Carbon tetrachloride	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Chlorobenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Chlorobromomethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Chloroethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Chloroform (Trichloromethane)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Chloromethane (Methyl Chloride)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Cymene (p-Isopropyltoluene)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Dibromochloromethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Dibromofluoromethane	N	Yes	20.2	20.2 J	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Dibromomethane	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Dichlorodifluoromethane (CFC-12)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Ethyl Ether	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Ethylbenzene	N	Yes	0.2 J	0.2 J	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Hexachlorobutadiene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Isopropylbenzene (Cumene)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Methyl Tert Butyl Ether (MTBE)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Methylene chloride (Dichloromethane)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Naphthalene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Styrene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Tetrachloroethene	N	Yes	U	UJ	HTQ

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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Toluene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Toluene-D8	N	Yes	19.8	19.8 J	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Trichloroethene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Trichlorofluoromethane (CFC-11)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Vinyl acetate	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Vinyl chloride	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Xylene (Total)	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	cis-1,2-Dichloroethene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	cis-1,3-Dichloropropene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	m,p-Xylenes	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	n-Butylbenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	n-Propylbenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	o-Xylene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	tert-Butylbenzene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	trans-1,2-Dichloroethene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	trans-1,3-Dichloropropene	N	Yes	U	UJ	HTQ
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	trans-1,4-Dichloro-2-butene	N	Yes	U	UJ	HTQ
L2305934	SW8270E	NA	DUP_1_02022023	L2305934-09	2,4-Dinitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	DUP_1_02022023	L2305934-09	2,4-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	DUP_1_02022023	L2305934-09	2,6-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	DUP_1_02022023	L2305934-09	2-Nitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	DUP_1_02022023	L2305934-09	4,6-Dinitro-2-methylphenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	DUP_1_02022023	L2305934-09	Benzoic acid	N	Yes	U	R	LCS
L2305934	SW8270E	NA	DUP_1_02022023	L2305934-09	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	DUP_1_02022023	L2305934-09	Hexachloroethane	N	Yes	U	R	LCS
L2307677	SW8270E	NA	DUP_1_02132023	L2307677-09	1,4-Dioxane	N	Yes	U	R	LCS
L2307677	SW8270E	NA	DUP_1_02132023	L2307677-09	2,2'-oxybis(1-Chloropropane)	N	Yes	U	R	LCS
L2305570	SW8270E	NA	FIELD BLANK 02012023	L2305570-21	4-Chloroaniline	N	Yes	U	R	LCS
L2305934	SW8270E	NA	FIELD BLANK 02022023	L2305934-10	4-Chloroaniline	N	Yes	U	R	LCS
L2307196	SW8260D	NA	FIELD BLANK 02092023	L2307196-17	Chloromethane (Methyl Chloride)	N	Yes	U	UJ	LCS
L2305934	SW8270E	NA	HA-04 (10-12)	L2305934-03	2,4-Dinitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (10-12)	L2305934-03	2,4-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (10-12)	L2305934-03	2,6-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (10-12)	L2305934-03	2-Nitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (10-12)	L2305934-03	4,6-Dinitro-2-methylphenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (10-12)	L2305934-03	Benzoic acid	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (10-12)	L2305934-03	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (10-12)	L2305934-03	Hexachloroethane	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (14-16)	L2305934-04	2,4-Dinitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (14-16)	L2305934-04	2,4-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (14-16)	L2305934-04	2,6-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (14-16)	L2305934-04	2-Nitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (14-16)	L2305934-04	4,6-Dinitro-2-methylphenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (14-16)	L2305934-04	Benzoic acid	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (14-16)	L2305934-04	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (14-16)	L2305934-04	Hexachloroethane	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (2-4)	L2305934-01	2,4-Dinitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (2-4)	L2305934-01	2,4-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (2-4)	L2305934-01	2,6-Dinitrotoluene	N	Yes	U	R	LCS

TABLE 1
SYSTEM PERFORMANCE SUMMARY
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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2305934	SW8270E	NA	HA-04 (2-4)	L2305934-01	2-Nitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (2-4)	L2305934-01	4,6-Dinitro-2-methylphenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (2-4)	L2305934-01	Benzoic acid	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (2-4)	L2305934-01	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (2-4)	L2305934-01	Hexachloroethane	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (6-8)	L2305934-02	2,4-Dinitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (6-8)	L2305934-02	2,4-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (6-8)	L2305934-02	2,6-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (6-8)	L2305934-02	2-Nitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (6-8)	L2305934-02	4,6-Dinitro-2-methylphenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (6-8)	L2305934-02	Benzoic acid	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (6-8)	L2305934-02	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-04 (6-8)	L2305934-02	Hexachloroethane	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (10-12)	L2305934-07	2,4-Dinitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (10-12)	L2305934-07	2,4-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (10-12)	L2305934-07	2,6-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (10-12)	L2305934-07	2-Nitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (10-12)	L2305934-07	4,6-Dinitro-2-methylphenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (10-12)	L2305934-07	Benzoic acid	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (10-12)	L2305934-07	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (10-12)	L2305934-07	Hexachloroethane	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (14-16)	L2305934-08	2,4-Dinitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (14-16)	L2305934-08	2,4-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (14-16)	L2305934-08	2,6-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (14-16)	L2305934-08	2-Nitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (14-16)	L2305934-08	4,6-Dinitro-2-methylphenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (14-16)	L2305934-08	Benzoic acid	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (14-16)	L2305934-08	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (14-16)	L2305934-08	Hexachloroethane	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (2-4)	L2305934-05	2,4-Dinitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (2-4)	L2305934-05	2,4-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (2-4)	L2305934-05	2,6-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (2-4)	L2305934-05	2-Nitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (2-4)	L2305934-05	4,6-Dinitro-2-methylphenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (2-4)	L2305934-05	Benzoic acid	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (2-4)	L2305934-05	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (2-4)	L2305934-05	Hexachloroethane	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (6-8)	L2305934-06	2,4-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (6-8)	L2305934-06	2,6-Dinitrotoluene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (6-8)	L2305934-06	2-Nitrophenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (6-8)	L2305934-06	4,6-Dinitro-2-methylphenol	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (6-8)	L2305934-06	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2305934	SW8270E	NA	HA-05 (6-8)	L2305934-06	Hexachloroethane	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-06 (10-12)	L2305570-03	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-06 (14-16)	L2305570-04	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-06 (2-4)	L2305570-01	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-06 (6-8)	L2305570-02	4-Chloroaniline	N	Yes	U	R	LCS
L2307196	SW8260D	NA	HA-07 (10-12)	L2307196-03	Acetone	N	Yes	20	20 J	LCS
L2307196	SW8081B	NA	HA-07 (14-16)	L2307196-04	Methoxychlor	N	Yes	11.8	11.8 J+	LCS

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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307196	SW8260D	NA	HA-07 (14-16)	L2307196-04	1,2-Dichloroethene (total)	N	Yes	0.46 J	0.46 J	LCS
L2307196	SW8260D	NA	HA-07 (14-16)	L2307196-04	2-Butanone (Methyl Ethyl Ketone)	N	Yes	3 J	3 J	LCS
L2307196	SW8260D	NA	HA-07 (14-16)	L2307196-04	cis-1,2-Dichloroethene	N	Yes	0.46 J	0.46 J	LCS
L2307196	SW8081B	NA	HA-07 (2-4)	L2307196-01	4,4'-DDE	N	Yes	8.74	8.74 J+	LCS
L2307196	SW8081B	NA	HA-07 (2-4)	L2307196-01	alpha-Chlordane (cis)	N	Yes	10.4	10.4 J+	LCS
L2307196	SW8081B	NA	HA-07 (2-4)	L2307196-01	gamma-Chlordane (trans)	N	Yes	10.3	10.3 J+	LCS
L2307196	SW8260D	NA	HA-07 (2-4)	L2307196-01	Acetone	N	Yes	7.3 J	7.3 J	LCS
L2307196	SW8081B	NA	HA-07 (6-8)	L2307196-02	Dieldrin	N	Yes	0.762 J	0.762 J+	LCS
L2305570	SW8270E	NA	HA-08 (10-12)	L2305570-07	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-08 (14-16)	L2305570-08	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-08 (2-4)	L2305570-05	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-08 (6-8)	L2305570-06	4-Chloroaniline	N	Yes	U	R	LCS
L2307196	SW8260D	NA	HA-09 (14-16)	L2307196-08	Acetone	N	Yes	9.3	9.3 J	LCS
L2307196	SW8260D	NA	HA-09 (2-4)	L2307196-05	Acetone	N	Yes	6 J	6 J	LCS
L2307196	SW8260D	NA	HA-09 (6-8)	L2307196-06	Acetone	N	Yes	15	15 J	LCS
L2307196	SW8260D	NA	HA-11 (10-12)	L2307196-11	Acetone	N	Yes	49	49 J	LCS
L2307196	SW8081B	NA	HA-11 (14-16)	L2307196-12	4,4'-DDE	N	Yes	1.16 J	1.16 J+	LCS
L2307196	SW8260D	NA	HA-11 (14-16)	L2307196-12	Acetone	N	Yes	24	24 J	LCS
L2307196	SW8081B	NA	HA-11 (2-4)	L2307196-09	4,4'-DDD	N	Yes	3.59	3.59 J+	LCS
L2307196	SW8081B	NA	HA-11 (2-4)	L2307196-09	4,4'-DDE	N	Yes	2.61	2.61 J+	LCS
L2307196	SW8081B	NA	HA-11 (2-4)	L2307196-09	4,4'-DDT	N	Yes	9.36	9.36 J+	LCS
L2307196	SW8260D	NA	HA-11 (2-4)	L2307196-09	Acetone	N	Yes	9.5 J	9.5 J	LCS
L2307196	SW8260D	NA	HA-11 (6-8)	L2307196-10	Acetone	N	Yes	34	34 J	LCS
L2307196	SW8260D	NA	HA-12 (14-16)	L2307196-16	Acetone	N	Yes	36	36 J	LCS
L2307196	SW8260D	NA	HA-12 (2-4)	L2307196-13	Acetone	N	Yes	7.3 J	7.3 J	LCS
L2307196	SW8260D	NA	HA-12 (6-8)	L2307196-14	Acetone	N	Yes	71	71 J	LCS
L2307677	SW8270E	NA	HA-13 (10-12)	L2307677-03	1,4-Dioxane	N	Yes	U	R	LCS
L2307677	SW8270E	NA	HA-13 (10-12)	L2307677-03	2,2'-oxybis(1-Chloropropane)	N	Yes	U	R	LCS
L2307677	SW8270E	NA	HA-13 (14-16)	L2307677-04	1,4-Dioxane	N	Yes	U	R	LCS
L2307677	SW8270E	NA	HA-13 (14-16)	L2307677-04	2,2'-oxybis(1-Chloropropane)	N	Yes	U	R	LCS
L2307677	SW8270E	NA	HA-13 (2-4)	L2307677-01	1,4-Dioxane	N	Yes	U	R	LCS
L2307677	SW8270E	NA	HA-13 (2-4)	L2307677-01	2,2'-oxybis(1-Chloropropane)	N	Yes	U	R	LCS
L2307677	SW8270E	NA	HA-13 (6-8)	L2307677-02	1,4-Dioxane	N	Yes	U	R	LCS
L2307677	SW8270E	NA	HA-13 (6-8)	L2307677-02	2,2'-oxybis(1-Chloropropane)	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-14 (10-12)	L2305570-11	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-14 (14-16)	L2305570-12	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-14 (2-4)	L2305570-09	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-14 (6-8)	L2305570-10	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-15 (10-12)	L2305570-15	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-15 (14-16)	L2305570-16	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-15 (2-4)	L2305570-13	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-15 (6-8)	L2305570-14	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-16 (10-12)	L2305570-19	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-16 (14-16)	L2305570-20	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-16 (2-4)	L2305570-17	4-Chloroaniline	N	Yes	U	R	LCS
L2305570	SW8270E	NA	HA-16 (6-8)	L2305570-18	4-Chloroaniline	N	Yes	U	R	LCS
L2307677	SW8270E	NA	HA-18 (10-12)	L2307677-07	1,4-Dioxane	N	Yes	U	R	LCS
L2307677	SW8270E	NA	HA-18 (10-12)	L2307677-07	2,2'-oxybis(1-Chloropropane)	N	Yes	U	R	LCS
L2307677	SW8270E	NA	HA-18 (14-16)	L2307677-08	1,4-Dioxane	N	Yes	U	R	LCS

TABLE 1
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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307677	SW8270E	NA	HA-18 (14-16)	L2307677-08	2,2'-oxybis(1-Chloropropane)	N	Yes	U	R	LCS
L2307677	SW8270E	NA	HA-18 (2-4)	L2307677-05	1,4-Dioxane	N	Yes	U	R	LCS
L2307677	SW8270E	NA	HA-18 (2-4)	L2307677-05	2,2'-oxybis(1-Chloropropane)	N	Yes	U	R	LCS
L2307677	SW8270E	NA	HA-18 (6-8)	L2307677-06	1,4-Dioxane	N	Yes	U	R	LCS
L2307677	SW8270E	NA	HA-18 (6-8)	L2307677-06	2,2'-oxybis(1-Chloropropane)	N	Yes	U	R	LCS
L2306883	SW8270E	NA	HA-19 (10-12)	L2306883-19	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2306883	SW8270E	NA	HA-19 (14-16)	L2306883-20	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2306883	SW8270E	NA	HA-19 (20-22)	L2306883-21	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2306883	SW8270E	NA	HA-19 (6-8)	L2306883-18	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2306883	SW8270E	NA	HA-21 (10-12)	L2306883-24	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2306883	SW8270E	NA	HA-21 (14-16)	L2306883-25	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2306883	SW8270E	NA	HA-21 (20-22)	L2306883-26	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2306883	SW8270E	NA	HA-21 (6-8)	L2306883-23	Hexachlorocyclopentadiene	N	Yes	U	R	LCS
L2307196	SW8260D	NA	TRIP BLANK-20230209	L2307196-18	Chloromethane (Methyl Chloride)	N	Yes	U	UJ	LCS
L2305934	SW8270E	NA	HA-05 (6-8)	L2305934-06	2,4-Dinitrophenol	N	Yes	U	R	LCS, MSD
L2305934	SW8270E	NA	HA-05 (6-8)	L2305934-06	Benzoic acid	N	Yes	U	R	LCS, MSD
L2305934	SW6010D	NA	DUP_1_02022023	L2305934-09	Antimony	N	Yes	1.2 J	4.87 U	MBK
L2307677	SW6010D	NA	DUP_1_02132023	L2307677-09	Nickel	N	Yes	12	12.0 U	MBK
L2306883	SW6020B	NA	FIELD BLANK 02082023	L2306883-28	Thallium	T	Yes	0.00029 J	0.002 U	MBK
L2306883	SW8270ESIM	NA	FIELD BLANK 02082023	L2306883-28	2-Methylnaphthalene	N	Yes	0.03 J	0.1 U	MBK
L2306883	SW8270ESIM	NA	FIELD BLANK 02082023	L2306883-28	Phenanthrene	N	Yes	0.03 J	0.1 U	MBK
L2306883	SW8270ESIM	NA	FIELD BLANK 02082023	L2306883-28	Pyrene	N	Yes	0.02 J	0.1 U	MBK
L2307196	SW6020B	NA	FIELD BLANK 02092023	L2307196-17	Thallium	T	Yes	0.00023 J	0.002 U	MBK
L2307512	SW7470A	NA	FIELD BLANK_1_02102023	L2307512-06	Mercury	T	Yes	0.00019 J	0.0002 U	MBK
L2307512	SW7470A	NA	FIELD BLANK_2_02102023	L2307512-07	Mercury	T	Yes	0.00017 J	0.0002 U	MBK
L2306883	SW6010D	NA	HA-01 (10-12)	L2306883-03	Antimony	N	Yes	0.999 J	4.87 U	MBK
L2306883	SW6010D	NA	HA-01 (2-4)	L2306883-01	Antimony	N	Yes	1.09 J	4.84 U	MBK
L2306883	SW6010D	NA	HA-02 (14-16)	L2306883-08	Antimony	N	Yes	0.68 J	4.34 U	MBK
L2306883	SW6010D	NA	HA-02 (6-8)	L2306883-06	Antimony	N	Yes	1.82 J	4.51 U	MBK
L2307511	SW8260D	NA	HA-03 (2-4)	L2307511-01	Acetone	N	Yes	7 J	11.0 U	MBK
L2307511	SW8260D	NA	HA-03 (2-4)	L2307511-01	Naphthalene	N	Yes	1.7 J	4.5 U	MBK
L2307511	SW8260D	NA	HA-03 (6-8)	L2307511-02	Acetone	N	Yes	20	20 J+	MBK
L2307511	SW8260D	NA	HA-03 (6-8)	L2307511-02	Naphthalene	N	Yes	1.7 J	4.2 U	MBK
L2305934	SW6010D	NA	HA-04 (10-12)	L2305934-03	Antimony	N	Yes	2.2 J	5.28 U	MBK
L2305934	SW6010D	NA	HA-04 (14-16)	L2305934-04	Antimony	N	Yes	3.46 J	8.12 U	MBK
L2305934	SW6010D	NA	HA-04 (2-4)	L2305934-01	Antimony	N	Yes	1.3 J	4.28 U	MBK
L2305934	SW6010D	NA	HA-04 (6-8)	L2305934-02	Antimony	N	Yes	2.8 J	4.9 U	MBK
L2305934	SW6010D	NA	HA-05 (10-12)	L2305934-07	Antimony	N	Yes	1.23 J	4.56 U	MBK
L2305934	SW6010D	NA	HA-05 (14-16)	L2305934-08	Antimony	N	Yes	0.844 J	4.53 U	MBK
L2305934	SW6010D	NA	HA-05 (2-4)	L2305934-05	Antimony	N	Yes	2.16 J	4.24 U	MBK
L2305934	SW6010D	NA	HA-05 (6-8)	L2305934-06	Antimony	N	Yes	1.9 J	4.44 U	MBK
L2307196	SW8260D	NA	HA-07 (14-16)	L2307196-04	Acetone	N	Yes	17	17 J+	MBK
L2306883	SW6010D	NA	HA-10 (14-16)	L2306883-12	Antimony	N	Yes	0.97 J	4.58 U	MBK
L2306883	SW6010D	NA	HA-10 (2-4)	L2306883-09	Antimony	N	Yes	0.369 J	4.38 U	MBK
L2306883	SW6010D	NA	HA-17 (2-4)	L2306883-13	Antimony	N	Yes	0.769 J	4.44 U	MBK
L2307677	SW6010D	NA	HA-18 (10-12)	L2307677-07	Nickel	N	Yes	7.39	7.39 U	MBK
L2306883	SW6010D	NA	HA-19 (2-4)	L2306883-17	Antimony	N	Yes	1.38 J	4.91 U	MBK
L2306883	SW6010D	NA	HA-19 (6-8)	L2306883-18	Antimony	N	Yes	0.53 J	4.48 U	MBK
L2307511	SW8260D	NA	HA-20 (10-12)	L2307511-07	Naphthalene	N	Yes	1.8 J	4.8 U	MBK

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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307511	SW8260D	NA	HA-20 (14-16)	L2307511-08	Naphthalene	N	Yes	2.1 J	5.6 U	MBK
L2307511	SW8260D	NA	HA-20 (2-4)	L2307511-05	Acetone	N	Yes	12	12.0 U	MBK
L2307511	SW8260D	NA	HA-20 (2-4)	L2307511-05	Naphthalene	N	Yes	1.7 J	4.4 U	MBK
L2307511	SW8260D	NA	HA-20 (6-8)	L2307511-06	Acetone	N	Yes	16	16.0 U	MBK
L2307511	SW8260D	NA	HA-20 (6-8)	L2307511-06	Naphthalene	N	Yes	2.3 J	6.1 U	MBK
L2306883	SW8260D	NA	HA-21 (14-16)	L2306883-25	Naphthalene	N	Yes	1.6 J	5.8 U	MBK
L2306883	SW8260D	NA	HA-21 (20-22)	L2306883-26	Naphthalene	N	Yes	1.2 J	7.0 U	MBK
L2307512	SW7470AR	NA	HA-26 (15-17)	L2307512-03	Mercury	N	Yes	0.0006 J	0.001 U	MBK
L2307677	SW8260D	NA	HA-18 (6-8)	L2307677-06	Acetone	N	Yes	21	21 J+	MBK, LCS, HTQ
L2305934	SW6010D	NA	DUP_1_02022023	L2305934-09	Magnesium	N	Yes	3510	3510 J+	MSD
L2305934	SW6010D	NA	DUP_1_02022023	L2305934-09	Manganese	N	Yes	117	117 J+	MSD
L2307677	SW6010D	NA	DUP_1_02132023	L2307677-09	Barium	N	Yes	300	300 J-	MSD
L2307677	SW6010D	NA	DUP_1_02132023	L2307677-09	Chromium	N	Yes	13.9	13.9 J-	MSD
L2307677	SW6010D	NA	DUP_1_02132023	L2307677-09	Copper	N	Yes	475	475 J-	MSD
L2307677	SW6010D	NA	DUP_1_02132023	L2307677-09	Magnesium	N	Yes	549	549 J-	MSD
L2307196	SW6020B	NA	FIELD BLANK 02092023	L2307196-17	Antimony	T	Yes	U	UJ	MSD
L2307196	SW6020B	NA	FIELD BLANK 02092023	L2307196-17	Calcium	T	Yes	U	UJ	MSD
L2307196	SW6020B	NA	FIELD BLANK 02092023	L2307196-17	Manganese	T	Yes	U	UJ	MSD
L2305934	SW6010D	NA	HA-04 (10-12)	L2305934-03	Arsenic	N	Yes	20.8	20.8 J+	MSD
L2305934	SW6010D	NA	HA-04 (10-12)	L2305934-03	Barium	N	Yes	239	239 J+	MSD
L2305934	SW6010D	NA	HA-04 (10-12)	L2305934-03	Magnesium	N	Yes	597	597 J+	MSD
L2305934	SW6010D	NA	HA-04 (10-12)	L2305934-03	Manganese	N	Yes	89.8	89.8 J+	MSD
L2305934	SW6010D	NA	HA-04 (10-12)	L2305934-03	Potassium	N	Yes	1040	1040 J+	MSD
L2305934	SW6010D	NA	HA-04 (14-16)	L2305934-04	Arsenic	N	Yes	29	29 J+	MSD
L2305934	SW6010D	NA	HA-04 (14-16)	L2305934-04	Barium	N	Yes	235	235 J+	MSD
L2305934	SW6010D	NA	HA-04 (14-16)	L2305934-04	Magnesium	N	Yes	777	777 J+	MSD
L2305934	SW6010D	NA	HA-04 (14-16)	L2305934-04	Manganese	N	Yes	165	165 J+	MSD
L2305934	SW6010D	NA	HA-04 (14-16)	L2305934-04	Potassium	N	Yes	1090	1090 J+	MSD
L2305934	SW6010D	NA	HA-04 (2-4)	L2305934-01	Arsenic	N	Yes	5.34	5.34 J+	MSD
L2305934	SW6010D	NA	HA-04 (2-4)	L2305934-01	Barium	N	Yes	146	146 J+	MSD
L2305934	SW6010D	NA	HA-04 (2-4)	L2305934-01	Magnesium	N	Yes	2740	2740 J+	MSD
L2305934	SW6010D	NA	HA-04 (2-4)	L2305934-01	Manganese	N	Yes	204	204 J+	MSD
L2305934	SW6010D	NA	HA-04 (2-4)	L2305934-01	Potassium	N	Yes	685	685 J+	MSD
L2305934	SW6010D	NA	HA-04 (6-8)	L2305934-02	Magnesium	N	Yes	3140	3140 J+	MSD
L2305934	SW6010D	NA	HA-04 (6-8)	L2305934-02	Manganese	N	Yes	185	185 J+	MSD
L2305934	SW6010D	NA	HA-05 (10-12)	L2305934-07	Arsenic	N	Yes	7.3	7.3 J+	MSD
L2305934	SW6010D	NA	HA-05 (10-12)	L2305934-07	Barium	N	Yes	104	104 J+	MSD
L2305934	SW6010D	NA	HA-05 (10-12)	L2305934-07	Magnesium	N	Yes	2000	2000 J+	MSD
L2305934	SW6010D	NA	HA-05 (10-12)	L2305934-07	Manganese	N	Yes	572	572 J+	MSD
L2305934	SW6010D	NA	HA-05 (10-12)	L2305934-07	Potassium	N	Yes	706	706 J+	MSD
L2305934	SW6010D	NA	HA-05 (14-16)	L2305934-08	Arsenic	N	Yes	3.63	3.63 J+	MSD
L2305934	SW6010D	NA	HA-05 (14-16)	L2305934-08	Barium	N	Yes	22.8	22.8 J+	MSD
L2305934	SW6010D	NA	HA-05 (14-16)	L2305934-08	Magnesium	N	Yes	1790	1790 J+	MSD
L2305934	SW6010D	NA	HA-05 (14-16)	L2305934-08	Manganese	N	Yes	229	229 J+	MSD
L2305934	SW6010D	NA	HA-05 (14-16)	L2305934-08	Potassium	N	Yes	534	534 J+	MSD
L2305934	SW6010D	NA	HA-05 (2-4)	L2305934-05	Arsenic	N	Yes	6.37	6.37 J+	MSD
L2305934	SW6010D	NA	HA-05 (2-4)	L2305934-05	Barium	N	Yes	78.5	78.5 J+	MSD
L2305934	SW6010D	NA	HA-05 (2-4)	L2305934-05	Magnesium	N	Yes	14400	14400 J+	MSD
L2305934	SW6010D	NA	HA-05 (2-4)	L2305934-05	Manganese	N	Yes	183	183 J+	MSD

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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2305934	SW6010D	NA	HA-05 (2-4)	L2305934-05	Potassium	N	Yes	668	668 J+	MSD
L2305934	SW6010D	NA	HA-05 (6-8)	L2305934-06	Arsenic	N	Yes	12.6	12.6 J+	MSD
L2305934	SW6010D	NA	HA-05 (6-8)	L2305934-06	Barium	N	Yes	205	205 J+	MSD
L2305934	SW6010D	NA	HA-05 (6-8)	L2305934-06	Magnesium	N	Yes	1880	1880 J+	MSD
L2305934	SW6010D	NA	HA-05 (6-8)	L2305934-06	Manganese	N	Yes	107	107 J+	MSD
L2305934	SW6010D	NA	HA-05 (6-8)	L2305934-06	Potassium	N	Yes	743	743 J+	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	1,1,1,2-Tetrachloroethane	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	1,2,3-Trichlorobenzene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	1,2,3-Trichloropropane	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	1,2,4,5-Tetramethylbenzene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	1,2,4-Trichlorobenzene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	1,2,4-Trimethylbenzene	N	Yes	0.42 J	0.42 J	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	1,2-Dibromo-3-chloropropane (DBCP)	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	1,2-Dichlorobenzene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	1,3,5-Trimethylbenzene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	1,3-Dichlorobenzene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	1,4-Dichlorobenzene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	1,4-Diethylbenzene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	2-Chlorotoluene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	2-Phenylbutane (sec-Butylbenzene)	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	4-Chlorotoluene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	N	Yes	0.39 J	0.39 J	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	Bromobenzene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	Carbon disulfide	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	Chlorobenzene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	Cymene (p-Isopropyltoluene)	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	Ethylbenzene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	Hexachlorobutadiene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	Isopropylbenzene (Cumene)	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	Naphthalene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	Styrene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	Tetrachloroethene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	Toluene	N	Yes	0.67 J	0.67 J	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	Trichloroethene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	Vinyl acetate	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	Xylene (Total)	N	Yes	0.96 J	0.96 J	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	cis-1,3-Dichloropropene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	m,p-Xylenes	N	Yes	0.96 J	0.96 J	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	n-Butylbenzene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	n-Propylbenzene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	o-Xylene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	tert-Butylbenzene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	trans-1,3-Dichloropropene	N	Yes	U	UJ	MSD
L2305934	SW8260D	NA	HA-05 (6-8)	L2305934-06	trans-1,4-Dichloro-2-butene	N	Yes	U	UJ	MSD
L2307196	SW6010D	NA	HA-07 (10-12)	L2307196-03	Antimony	N	Yes	2 J	2 J-	MSD
L2307196	SW6010D	NA	HA-07 (10-12)	L2307196-03	Calcium	N	Yes	24300	24300 J-	MSD
L2307196	SW6010D	NA	HA-07 (10-12)	L2307196-03	Iron	N	Yes	11000	11000 J-	MSD
L2307196	SW6010D	NA	HA-07 (10-12)	L2307196-03	Manganese	N	Yes	196	196 J-	MSD
L2307196	SW6010D	NA	HA-07 (14-16)	L2307196-04	Antimony	N	Yes	1.49 J	1.49 J-	MSD

TABLE 1
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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307196	SW6010D	NA	HA-07 (14-16)	L2307196-04	Calcium	N	Yes	6060	6060 J-	MSD
L2307196	SW6010D	NA	HA-07 (14-16)	L2307196-04	Iron	N	Yes	7490	7490 J-	MSD
L2307196	SW6010D	NA	HA-07 (14-16)	L2307196-04	Manganese	N	Yes	36	36 J-	MSD
L2307196	SW6010D	NA	HA-07 (2-4)	L2307196-01	Antimony	N	Yes	1.11 J	1.11 J-	MSD
L2307196	SW6010D	NA	HA-07 (2-4)	L2307196-01	Calcium	N	Yes	46300	46300 J-	MSD
L2307196	SW6010D	NA	HA-07 (2-4)	L2307196-01	Iron	N	Yes	13000	13000 J-	MSD
L2307196	SW6010D	NA	HA-07 (2-4)	L2307196-01	Manganese	N	Yes	354	354 J-	MSD
L2307196	SW6010D	NA	HA-07 (6-8)	L2307196-02	Antimony	N	Yes	0.763 J	0.763 J-	MSD
L2307196	SW6010D	NA	HA-07 (6-8)	L2307196-02	Calcium	N	Yes	3340	3340 J-	MSD
L2307196	SW6010D	NA	HA-07 (6-8)	L2307196-02	Iron	N	Yes	5030	5030 J-	MSD
L2307196	SW6010D	NA	HA-07 (6-8)	L2307196-02	Manganese	N	Yes	55.7	55.7 J-	MSD
L2307196	SW6010D	NA	HA-09 (10-12)	L2307196-07	Antimony	N	Yes	0.426 J	0.426 J-	MSD
L2307196	SW6010D	NA	HA-09 (10-12)	L2307196-07	Calcium	N	Yes	1800	1800 J-	MSD
L2307196	SW6010D	NA	HA-09 (10-12)	L2307196-07	Iron	N	Yes	13600	13600 J-	MSD
L2307196	SW6010D	NA	HA-09 (10-12)	L2307196-07	Manganese	N	Yes	328	328 J-	MSD
L2307196	SW6010D	NA	HA-09 (14-16)	L2307196-08	Antimony	N	Yes	0.82 J	0.82 J-	MSD
L2307196	SW6010D	NA	HA-09 (14-16)	L2307196-08	Calcium	N	Yes	8310	8310 J-	MSD
L2307196	SW6010D	NA	HA-09 (14-16)	L2307196-08	Iron	N	Yes	15400	15400 J-	MSD
L2307196	SW6010D	NA	HA-09 (14-16)	L2307196-08	Manganese	N	Yes	326	326 J-	MSD
L2307196	SW6010D	NA	HA-09 (2-4)	L2307196-05	Antimony	N	Yes	0.604 J	0.604 J-	MSD
L2307196	SW6010D	NA	HA-09 (2-4)	L2307196-05	Calcium	N	Yes	1510	1510 J-	MSD
L2307196	SW6010D	NA	HA-09 (2-4)	L2307196-05	Iron	N	Yes	12300	12300 J-	MSD
L2307196	SW6010D	NA	HA-09 (2-4)	L2307196-05	Manganese	N	Yes	138	138 J-	MSD
L2307196	SW8260D	NA	HA-09 (2-4)	L2307196-05	Vinyl acetate	N	Yes	U	UJ	MSD
L2307196	SW8270E	NA	HA-09 (2-4)	L2307196-05	4-Chloroaniline	N	Yes	U	UJ	MSD
L2307196	SW8270E	NA	HA-09 (2-4)	L2307196-05	Benzoic acid	N	Yes	U	UJ	MSD
L2307196	SW6010D	NA	HA-09 (6-8)	L2307196-06	Antimony	N	Yes	1.14 J	1.14 J-	MSD
L2307196	SW6010D	NA	HA-09 (6-8)	L2307196-06	Calcium	N	Yes	32000	32000 J-	MSD
L2307196	SW6010D	NA	HA-09 (6-8)	L2307196-06	Iron	N	Yes	11800	11800 J-	MSD
L2307196	SW6010D	NA	HA-09 (6-8)	L2307196-06	Manganese	N	Yes	354	354 J-	MSD
L2307196	SW6010D	NA	HA-11 (10-12)	L2307196-11	Antimony	N	Yes	1.92 J	1.92 J-	MSD
L2307196	SW6010D	NA	HA-11 (10-12)	L2307196-11	Calcium	N	Yes	7580	7580 J-	MSD
L2307196	SW6010D	NA	HA-11 (10-12)	L2307196-11	Iron	N	Yes	16200	16200 J-	MSD
L2307196	SW6010D	NA	HA-11 (10-12)	L2307196-11	Manganese	N	Yes	157	157 J-	MSD
L2307196	SW6010D	NA	HA-11 (14-16)	L2307196-12	Antimony	N	Yes	U	UJ	MSD
L2307196	SW6010D	NA	HA-11 (14-16)	L2307196-12	Calcium	N	Yes	5450	5450 J-	MSD
L2307196	SW6010D	NA	HA-11 (14-16)	L2307196-12	Iron	N	Yes	13400	13400 J-	MSD
L2307196	SW6010D	NA	HA-11 (14-16)	L2307196-12	Manganese	N	Yes	149	149 J-	MSD
L2307196	SW6010D	NA	HA-11 (2-4)	L2307196-09	Antimony	N	Yes	3.8 J	3.8 J-	MSD
L2307196	SW6010D	NA	HA-11 (2-4)	L2307196-09	Calcium	N	Yes	38100	38100 J-	MSD
L2307196	SW6010D	NA	HA-11 (2-4)	L2307196-09	Iron	N	Yes	11700	11700 J-	MSD
L2307196	SW6010D	NA	HA-11 (2-4)	L2307196-09	Manganese	N	Yes	194	194 J-	MSD
L2307196	SW6010D	NA	HA-11 (6-8)	L2307196-10	Antimony	N	Yes	0.558 J	0.558 J-	MSD
L2307196	SW6010D	NA	HA-11 (6-8)	L2307196-10	Calcium	N	Yes	11500	11500 J-	MSD
L2307196	SW6010D	NA	HA-11 (6-8)	L2307196-10	Iron	N	Yes	14300	14300 J-	MSD
L2307196	SW6010D	NA	HA-11 (6-8)	L2307196-10	Manganese	N	Yes	319	319 J-	MSD
L2307196	SW6010D	NA	HA-12 (10-12)	L2307196-15	Antimony	N	Yes	1.77 J	1.77 J-	MSD
L2307196	SW6010D	NA	HA-12 (10-12)	L2307196-15	Calcium	N	Yes	11100	11100 J-	MSD
L2307196	SW6010D	NA	HA-12 (10-12)	L2307196-15	Iron	N	Yes	11700	11700 J-	MSD

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L2307196	SW6010D	NA	HA-12 (10-12)	L2307196-15	Manganese	N	Yes	194	194 J-	MSD
L2307196	SW6010D	NA	HA-12 (14-16)	L2307196-16	Antimony	N	Yes	0.726 J	0.726 J-	MSD
L2307196	SW6010D	NA	HA-12 (14-16)	L2307196-16	Calcium	N	Yes	8350	8350 J-	MSD
L2307196	SW6010D	NA	HA-12 (14-16)	L2307196-16	Iron	N	Yes	14300	14300 J-	MSD
L2307196	SW6010D	NA	HA-12 (14-16)	L2307196-16	Manganese	N	Yes	342	342 J-	MSD
L2307196	SW6010D	NA	HA-12 (2-4)	L2307196-13	Antimony	N	Yes	7.62	7.62 J-	MSD
L2307196	SW6010D	NA	HA-12 (2-4)	L2307196-13	Calcium	N	Yes	52500	52500 J-	MSD
L2307196	SW6010D	NA	HA-12 (2-4)	L2307196-13	Iron	N	Yes	30100	30100 J-	MSD
L2307196	SW6010D	NA	HA-12 (2-4)	L2307196-13	Manganese	N	Yes	237	237 J-	MSD
L2307196	SW6010D	NA	HA-12 (6-8)	L2307196-14	Antimony	N	Yes	4.56 J	4.56 J-	MSD
L2307196	SW6010D	NA	HA-12 (6-8)	L2307196-14	Calcium	N	Yes	3210	3210 J-	MSD
L2307196	SW6010D	NA	HA-12 (6-8)	L2307196-14	Iron	N	Yes	43600	43600 J-	MSD
L2307196	SW6010D	NA	HA-12 (6-8)	L2307196-14	Manganese	N	Yes	274	274 J-	MSD
L2307677	SW6010D	NA	HA-13 (10-12)	L2307677-03	Barium	N	Yes	100	100 J-	MSD
L2307677	SW6010D	NA	HA-13 (10-12)	L2307677-03	Chromium	N	Yes	14.8	14.8 J-	MSD
L2307677	SW6010D	NA	HA-13 (10-12)	L2307677-03	Copper	N	Yes	54.7	54.7 J-	MSD
L2307677	SW6010D	NA	HA-13 (10-12)	L2307677-03	Magnesium	N	Yes	1580	1580 J-	MSD
L2307677	SW7471B	NA	HA-13 (10-12)	L2307677-03	Mercury	N	Yes	1.3	1.3 J-	MSD
L2307677	SW6010D	NA	HA-13 (14-16)	L2307677-04	Barium	N	Yes	166	166 J-	MSD
L2307677	SW6010D	NA	HA-13 (14-16)	L2307677-04	Chromium	N	Yes	10.4	10.4 J-	MSD
L2307677	SW6010D	NA	HA-13 (14-16)	L2307677-04	Copper	N	Yes	28.3	28.3 J-	MSD
L2307677	SW6010D	NA	HA-13 (14-16)	L2307677-04	Magnesium	N	Yes	602	602 J-	MSD
L2307677	SW7471B	NA	HA-13 (14-16)	L2307677-04	Mercury	N	Yes	0.876	0.876 J-	MSD
L2307677	SW6010D	NA	HA-13 (2-4)	L2307677-01	Barium	N	Yes	221	221 J-	MSD
L2307677	SW6010D	NA	HA-13 (2-4)	L2307677-01	Chromium	N	Yes	26.1	26.1 J-	MSD
L2307677	SW6010D	NA	HA-13 (2-4)	L2307677-01	Copper	N	Yes	57.7	57.7 J-	MSD
L2307677	SW6010D	NA	HA-13 (2-4)	L2307677-01	Magnesium	N	Yes	3310	3310 J-	MSD
L2307677	SW7471B	NA	HA-13 (2-4)	L2307677-01	Mercury	N	Yes	2.36	2.36 J-	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,1,1,2-Tetrachloroethane	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,1,1-Trichloroethane	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,1,2,2-Tetrachloroethane	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,1,2-Trichloroethane	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,1-Dichloroethane	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,1-Dichloropropene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,2,3-Trichlorobenzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,2,3-Trichloropropane	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,2,4,5-Tetramethylbenzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,2,4-Trichlorobenzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,2,4-Trimethylbenzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,2-Dibromo-3-chloropropane (DBCP)	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,2-Dibromoethane (Ethylene Dibromide)	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,2-Dichlorobenzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,2-Dichloroethane	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,2-Dichloroethene (total)	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,2-Dichloropropane	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,3,5-Trimethylbenzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,3-Dichlorobenzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,3-Dichloropropane	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,3-Dichloropropene	N	Yes	U	UJ	MSD

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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,4-Dichlorobenzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	1,4-Diethylbenzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	2-Chlorotoluene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	2-Hexanone (Methyl Butyl Ketone)	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	2-Phenylbutane (sec-Butylbenzene)	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	4-Chlorotoluene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Acrylonitrile	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Benzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Bromobenzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Bromodichloromethane	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Bromoform	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Bromomethane (Methyl Bromide)	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Carbon tetrachloride	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Chlorobenzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Chlorobromomethane	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Chloroform (Trichloromethane)	N	Yes	0.34 J	0.34 J	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Chloromethane (Methyl Chloride)	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Cymene (p-Isopropyltoluene)	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Dibromochloromethane	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Dibromomethane	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Ethylbenzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Hexachlorobutadiene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Isopropylbenzene (Cumene)	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Methylene chloride (Dichloromethane)	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Naphthalene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Styrene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Tetrachloroethene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Toluene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Trichloroethene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Trichlorofluoromethane (CFC-11)	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Vinyl acetate	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	Xylene (Total)	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	cis-1,2-Dichloroethene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	cis-1,3-Dichloropropene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	m,p-Xylenes	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	n-Butylbenzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	n-Propylbenzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	o-Xylene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	tert-Butylbenzene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	trans-1,2-Dichloroethene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	trans-1,3-Dichloropropene	N	Yes	U	UJ	MSD
L2307677	SW8260D	NA	HA-13 (2-4)	L2307677-01	trans-1,4-Dichloro-2-butene	N	Yes	U	UJ	MSD
L2307677	SW8270E	NA	HA-13 (2-4)	L2307677-01	2,4-Dinitrophenol	N	Yes	U	UJ	MSD
L2307677	SW8270E	NA	HA-13 (2-4)	L2307677-01	Benzoic acid	N	Yes	U	UJ	MSD
L2307677	SW8270E	NA	HA-13 (2-4)	L2307677-01	Phenanthrene	N	Yes	1900	1900 J	MSD
L2307677	SW6010D	NA	HA-13 (6-8)	L2307677-02	Barium	N	Yes	104	104 J-	MSD
L2307677	SW6010D	NA	HA-13 (6-8)	L2307677-02	Chromium	N	Yes	12.1	12.1 J-	MSD

TABLE 1
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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307677	SW6010D	NA	HA-13 (6-8)	L2307677-02	Copper	N	Yes	32.1	32.1 J-	MSD
L2307677	SW6010D	NA	HA-13 (6-8)	L2307677-02	Magnesium	N	Yes	2410	2410 J-	MSD
L2307677	SW7471B	NA	HA-13 (6-8)	L2307677-02	Mercury	N	Yes	1.43	1.43 J-	MSD
L2307677	SW6010D	NA	HA-18 (10-12)	L2307677-07	Barium	N	Yes	222	222 J-	MSD
L2307677	SW6010D	NA	HA-18 (10-12)	L2307677-07	Chromium	N	Yes	18.6	18.6 J-	MSD
L2307677	SW6010D	NA	HA-18 (10-12)	L2307677-07	Copper	N	Yes	324	324 J-	MSD
L2307677	SW6010D	NA	HA-18 (10-12)	L2307677-07	Magnesium	N	Yes	355	355 J-	MSD
L2307677	SW6010D	NA	HA-18 (14-16)	L2307677-08	Barium	N	Yes	83	83 J-	MSD
L2307677	SW6010D	NA	HA-18 (14-16)	L2307677-08	Chromium	N	Yes	10.4	10.4 J-	MSD
L2307677	SW6010D	NA	HA-18 (14-16)	L2307677-08	Copper	N	Yes	24.8	24.8 J-	MSD
L2307677	SW6010D	NA	HA-18 (14-16)	L2307677-08	Magnesium	N	Yes	1490	1490 J-	MSD
L2307677	SW7471B	NA	HA-18 (14-16)	L2307677-08	Mercury	N	Yes	0.638	0.638 J-	MSD
L2307677	SW6010D	NA	HA-18 (2-4)	L2307677-05	Barium	N	Yes	222	222 J-	MSD
L2307677	SW6010D	NA	HA-18 (2-4)	L2307677-05	Chromium	N	Yes	16.4	16.4 J-	MSD
L2307677	SW6010D	NA	HA-18 (2-4)	L2307677-05	Copper	N	Yes	76.7	76.7 J-	MSD
L2307677	SW6010D	NA	HA-18 (2-4)	L2307677-05	Magnesium	N	Yes	2540	2540 J-	MSD
L2307677	SW7471B	NA	HA-18 (2-4)	L2307677-05	Mercury	N	Yes	0.769	0.769 J-	MSD
L2307677	SW6010D	NA	HA-18 (6-8)	L2307677-06	Barium	N	Yes	188	188 J-	MSD
L2307677	SW6010D	NA	HA-18 (6-8)	L2307677-06	Chromium	N	Yes	16	16 J-	MSD
L2307677	SW6010D	NA	HA-18 (6-8)	L2307677-06	Copper	N	Yes	58.6	58.6 J-	MSD
L2307677	SW6010D	NA	HA-18 (6-8)	L2307677-06	Magnesium	N	Yes	3340	3340 J-	MSD
L2307677	SW7471B	NA	HA-18 (6-8)	L2307677-06	Mercury	N	Yes	0.376	0.376 J-	MSD
L2307512	SW7471B	NA	HA-26 (15-17)	L2307512-03	Mercury	N	Yes	0.352	0.352 J+	MSD
L2307512	SW7471B	NA	DUP-1_02102023	L2307512-04	Mercury	N	Yes	0.162	0.162 J+	MSD, FDP
L2307512	SW7471B	NA	DUP-2_02102023	L2307512-05	Mercury	N	Yes	1.84	1.84 J+	MSD, FDP
L2305934	SW6010D	NA	DUP_1_02022023	L2305934-09	Arsenic	N	Yes	4.98	4.98 J+	MSD, FDP
L2305934	SW6010D	NA	DUP_1_02022023	L2305934-09	Barium	N	Yes	90.2	90.2 J+	MSD, FDP
L2305934	SW6010D	NA	DUP_1_02022023	L2305934-09	Potassium	N	Yes	1040	1040 J+	MSD, FDP
L2307677	SW7471B	NA	DUP_1_02132023	L2307677-09	Mercury	N	Yes	5.28	5.28 J-	MSD, FDP
L2305934	SW6010D	NA	HA-04 (6-8)	L2305934-02	Arsenic	N	Yes	26.6	26.6 J+	MSD, FDP
L2305934	SW6010D	NA	HA-04 (6-8)	L2305934-02	Barium	N	Yes	510	510 J+	MSD, FDP
L2305934	SW6010D	NA	HA-04 (6-8)	L2305934-02	Potassium	N	Yes	615	615 J+	MSD, FDP
L2307677	SW7471B	NA	HA-18 (10-12)	L2307677-07	Mercury	N	Yes	11.7	11.7 J-	MSD, FDP
L2307512	SW7471B	NA	HA-26 (11-13)	L2307512-01	Mercury	N	Yes	0.502	0.502 J+	MSD, FDP
L2307512	SW7471B	NA	HA-26 (13-15)	L2307512-02	Mercury	N	Yes	7.1	7.1 J+	MSD, FDP
L2306883	SW8081B	NA	HA-01 (14-16)	L2306883-04	4,4'-DDD	N	Yes	0.916 J	0.916 J	RPD
L2306883	SW8081B	NA	HA-01 (14-16)	L2306883-04	4,4'-DDT	N	Yes	2.94	2.94 J	RPD
L2306883	SW8081B	NA	HA-01 (2-4)	L2306883-01	4,4'-DDE	N	Yes	0.472 J	0.472 J	RPD
L2307511	SW8081B	NA	HA-03 (2-4)	L2307511-01	4,4'-DDD	N	Yes	2.51	2.51 J	RPD
L2307511	SW8081B	NA	HA-03 (2-4)	L2307511-01	4,4'-DDE	N	Yes	1.51 J	1.51 J	RPD
L2307511	SW8081B	NA	HA-03 (2-4)	L2307511-01	4,4'-DDT	N	Yes	2.4	2.4 J	RPD
L2307511	SW8081B	NA	HA-03 (2-4)	L2307511-01	Dieldrin	N	Yes	U	UJ	RPD
L2307511	SW8081B	NA	HA-03 (2-4)	L2307511-01	alpha-Chlordane (cis)	N	Yes	0.627 J	0.627 J	RPD
L2307511	SW8081B	NA	HA-03 (2-4)	L2307511-01	gamma-Chlordane (trans)	N	Yes	0.619 J	0.619 J	RPD
L2305934	SW8081B	NA	HA-04 (14-16)	L2305934-04	alpha-BHC	N	Yes	7.64	7.64 J	RPD
L2305934	SW8081B	NA	HA-04 (2-4)	L2305934-01	4,4'-DDT	N	Yes	3.59	3.59 J	RPD
L2305934	SW8081B	NA	HA-05 (2-4)	L2305934-05	4,4'-DDT	N	Yes	2.35	2.35 J	RPD
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	gamma-Chlordane (trans)	N	Yes	1.09 J	1.09 J	RPD
L2307196	SW8081B	NA	HA-09 (6-8)	L2307196-06	Heptachlor epoxide	N	Yes	U	UJ	RPD

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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2306883	SW8081B	NA	HA-10 (10-12)	L2306883-11	gamma-Chlordane (trans)	N	Yes	1.19 J	1.19 J	RPD
L2306883	SW8081B	NA	HA-10 (2-4)	L2306883-09	4,4'-DDE	N	Yes	3.72	3.72 J	RPD
L2306883	SW8081B	NA	HA-10 (2-4)	L2306883-09	4,4'-DDT	N	Yes	4.48	4.48 J	RPD
L2306883	SW8082A	NA	HA-10 (2-4)	L2306883-09	Aroclor-1260 (PCB-1260)	N	Yes	U	UJ	RPD
L2307196	SW8081B	NA	HA-11 (14-16)	L2307196-12	4,4'-DDT	N	Yes	U	UJ	RPD
L2307677	SW8081B	NA	HA-13 (10-12)	L2307677-03	4,4'-DDT	N	Yes	4.98	4.98 J	RPD
L2307677	SW8081B	NA	HA-13 (10-12)	L2307677-03	Dieldrin	N	Yes	1.25 J	1.25 J	RPD
L2307677	SW8081B	NA	HA-13 (2-4)	L2307677-01	Chlordane	N	Yes	130	130 J+	RPD
L2305570	SW8081B	NA	HA-14 (2-4)	L2305570-09	Heptachlor epoxide	N	Yes	U	UJ	RPD
L2305570	SW8081B	NA	HA-15 (10-12)	L2305570-15	4,4'-DDD	N	Yes	U	UJ	RPD
L2305570	SW8081B	NA	HA-15 (2-4)	L2305570-13	4,4'-DDT	N	Yes	2.35	2.35 J	RPD
L2306883	SW8081B	NA	HA-17 (10-12)	L2306883-15	gamma-Chlordane (trans)	N	Yes	1.54 J	1.54 J	RPD
L2306883	SW8081B	NA	HA-17 (14-16)	L2306883-16	gamma-Chlordane (trans)	N	Yes	0.818 J	0.818 J	RPD
L2306883	SW8081B	NA	HA-17 (6-8)	L2306883-14	gamma-Chlordane (trans)	N	Yes	0.806 J	0.806 J	RPD
L2307677	SW8081B	NA	HA-18 (2-4)	L2307677-05	alpha-Chlordane (cis)	N	Yes	4.01	4.01 J	RPD
L2307677	SW8081B	NA	HA-18 (6-8)	L2307677-06	Chlordane	N	Yes	66	66 J	RPD
L2306883	SW8081B	NA	HA-19 (2-4)	L2306883-17	alpha-Chlordane (cis)	N	Yes	6.38	6.38 J	RPD
L2306883	SW8081B	NA	HA-19 (6-8)	L2306883-18	4,4'-DDE	N	Yes	5.16	5.16 J	RPD
L2306883	SW8081B	NA	HA-19 (6-8)	L2306883-18	Heptachlor epoxide	N	Yes	U	UJ	RPD
L2306883	SW8081B	NA	HA-21 (20-22)	L2306883-26	alpha-BHC	N	Yes	2.09	2.09 J	RPD
L2306883	SW8081B	NA	HA-21 (20-22)	L2306883-26	gamma-Chlordane (trans)	N	Yes	0.753 J	0.753 J	RPD
L2306883	SW8081B	NA	HA-21 (6-8)	L2306883-23	Heptachlor epoxide	N	Yes	1.09 J	1.09 J	RPD
L2306883	SW8081B	NA	HA-21 (6-8)	L2306883-23	alpha-Chlordane (cis)	N	Yes	1.39 J	1.39 J	RPD
L2306883	SW8081B	NA	DUP_1_02082023	L2306883-27	alpha-BHC	N	Yes	2.9	2.9 J+	RPD, SUR
L2306883	SW8081B	NA	DUP_1_02082023	L2306883-27	gamma-Chlordane (trans)	N	Yes	2.96	2.96 J+	RPD, SUR
L2307511	SW8081B	NA	HA-03 (10-12)	L2307511-03	alpha-Chlordane (cis)	N	Yes	3.19	3.19 J+	RPD, SUR
L2307511	SW8081B	NA	HA-03 (10-12)	L2307511-03	gamma-Chlordane (trans)	N	Yes	1.28 J	1.28 J+	RPD, SUR
L2305934	SW8081B	NA	HA-04 (2-4)	L2305934-01	gamma-Chlordane (trans)	N	Yes	2.16	2.16 J+	RPD, SUR
L2305570	SW8081B	NA	HA-06 (2-4)	L2305570-01	4,4'-DDE	N	Yes	2.38	2.38 J+	RPD, SUR
L2307196	SW8081B	NA	HA-07 (2-4)	L2307196-01	4,4'-DDD	N	Yes	1.66 J	1.66 J+	RPD, SUR
L2307196	SW8081B	NA	HA-07 (2-4)	L2307196-01	Methoxychlor	N	Yes	2.95 J	2.95 J	RPD, SUR
L2305570	SW8081B	NA	HA-08 (2-4)	L2305570-05	Heptachlor epoxide	N	Yes	1.22 J	1.22 J+	RPD, SUR
L2307196	SW8081B	NA	HA-09 (2-4)	L2307196-05	Methoxychlor	N	Yes	9.64	9.64 J+	RPD, SUR
L2307196	SW8081B	NA	HA-09 (6-8)	L2307196-06	Methoxychlor	N	Yes	10.7	10.7 J+	RPD, SUR
L2306883	SW8081B	NA	HA-10 (6-8)	L2306883-10	4,4'-DDT	N	Yes	8.23	8.23 J+	RPD, SUR
L2306883	SW8081B	NA	HA-10 (6-8)	L2306883-10	alpha-Chlordane (cis)	N	Yes	2.57 J	2.57 J+	RPD, SUR
L2307196	SW8081B	NA	HA-11 (2-4)	L2307196-09	Methoxychlor	N	Yes	11.8	11.8 J+	RPD, SUR
L2307196	SW8081B	NA	HA-11 (2-4)	L2307196-09	gamma-Chlordane (trans)	N	Yes	0.579 J	0.579 J+	RPD, SUR
L2306883	SW8081B	NA	HA-17 (2-4)	L2306883-13	alpha-Chlordane (cis)	N	Yes	1.58 J	1.58 J	RPD, SUR
L2306883	SW8081B	NA	HA-02 (2-4)	L2306883-05	4,4'-DDT	N	Yes	18.1	18.1 J+	SUR
L2306883	SW8081B	NA	HA-02 (2-4)	L2306883-05	Dieldrin	N	Yes	5.48	5.48 J+	SUR
L2307511	SW8260D	NA	HA-03 (10-12)	L2307511-03	1,2,4,5-Tetramethylbenzene	N	Yes	5000	5000 J+	SUR
L2307511	SW8260D	NA	HA-03 (10-12)	L2307511-03	1,2,4-Trimethylbenzene	N	Yes	420	420 J+	SUR
L2307511	SW8260D	NA	HA-03 (10-12)	L2307511-03	1,3,5-Trimethylbenzene	N	Yes	120	120 J+	SUR
L2307511	SW8260D	NA	HA-03 (10-12)	L2307511-03	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	N	Yes	390	390 J+	SUR
L2307511	SW8260D	NA	HA-03 (10-12)	L2307511-03	Cymene (p-Isopropyltoluene)	N	Yes	56	56 J+	SUR
L2307511	SW8260D	NA	HA-03 (10-12)	L2307511-03	Isopropylbenzene (Cumene)	N	Yes	300	300 J+	SUR
L2307511	SW8260D	NA	HA-03 (10-12)	L2307511-03	Naphthalene	N	Yes	1100	1100 J+	SUR
L2307511	SW8260D	NA	HA-03 (10-12)	L2307511-03	tert-Butylbenzene	N	Yes	28 J	28 J+	SUR

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L2307511	SW8081B	NA	HA-03 (6-8)	L2307511-02	4,4'-DDE	N	Yes	68.6	68.6 J+	SUR
L2307511	SW8081B	NA	HA-03 (6-8)	L2307511-02	4,4'-DDT	N	Yes	19.7	19.7 J+	SUR
L2307511	SW8081B	NA	HA-03 (6-8)	L2307511-02	Dieldrin	N	Yes	23.8	23.8 J+	SUR
L2307511	SW8081B	NA	HA-03 (6-8)	L2307511-02	gamma-Chlordane (trans)	N	Yes	5.52	5.52 J+	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	4,4'-DDD	N	Yes	U	R	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	Aldrin	N	Yes	U	R	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	Chlordane	N	Yes	U	R	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	Endosulfan I	N	Yes	U	R	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	Endosulfan II	N	Yes	U	R	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	Endosulfan sulfate	N	Yes	U	R	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	Endrin	N	Yes	U	R	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	Endrin aldehyde	N	Yes	U	R	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	Endrin ketone	N	Yes	U	R	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	Heptachlor	N	Yes	U	R	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	Heptachlor epoxide	N	Yes	U	R	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	Toxaphene	N	Yes	U	R	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	alpha-BHC	N	Yes	U	R	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	beta-BHC	N	Yes	U	R	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	delta-BHC	N	Yes	U	R	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	gamma-BHC (Lindane)	N	Yes	U	R	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	1,2,4,5-Tetrachlorobenzene	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	1,2,4-Trichlorobenzene	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	1,2-Dichlorobenzene	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	1,3-Dichlorobenzene	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	1,4-Dichlorobenzene	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,4,5-Trichlorophenol	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,4,6-Trichlorophenol	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,4-Dichlorophenol	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,4-Dimethylphenol	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,4-Dinitrophenol	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,4-Dinitrotoluene	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,6-Dinitrotoluene	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2-Chloronaphthalene	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2-Chlorophenol	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2-Methylnaphthalene	N	Yes	200 J	200 J-	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2-Methylphenol (o-Cresol)	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2-Nitroaniline	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2-Nitrophenol	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	3&4-Methylphenol	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	3-Nitroaniline	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	4,6-Dinitro-2-methylphenol	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	4-Bromophenyl phenyl ether (BDE-3)	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	4-Chloro-3-methylphenol	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	4-Chlorophenyl phenyl ether	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	4-Nitroaniline	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	4-Nitrophenol	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Acenaphthene	N	Yes	360	360 J-	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Acenaphthylene	N	Yes	290	290 J-	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Acetophenone	N	Yes	U	UJ	SUR

TABLE 1
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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Benzoic acid	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Benzyl Alcohol	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Biphenyl	N	Yes	38 J	38 J-	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Dibenzofuran	N	Yes	260	260 J-	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Diethyl phthalate	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Dimethyl phthalate	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Fluorene	N	Yes	360	360 J-	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Hexachlorobenzene	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Hexachlorobutadiene	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Hexachloroethane	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Isophorone	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	N-Nitrosodi-n-propylamine	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	N-Nitrosodiphenylamine	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Naphthalene	N	Yes	240	240 J-	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Nitrobenzene	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Pentachlorophenol	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Phenol	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	bis(2-Chloroethoxy)methane	N	Yes	U	UJ	SUR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	bis(2-Chloroethyl)ether	N	Yes	U	UJ	SUR
L2305570	SW8081B	NA	HA-08 (2-4)	L2305570-05	4,4'-DDT	N	Yes	63.9	63.9 J+	SUR
L2305570	SW8081B	NA	HA-08 (2-4)	L2305570-05	Chlordane	N	Yes	82.7	82.7 J+	SUR
L2305570	SW8081B	NA	HA-08 (2-4)	L2305570-05	Dieldrin	N	Yes	8.83	8.83 J+	SUR
L2305570	SW8081B	NA	HA-08 (2-4)	L2305570-05	alpha-Chlordane (cis)	N	Yes	10.8	10.8 J+	SUR
L2306883	SW8081B	NA	HA-10 (2-4)	L2306883-09	alpha-Chlordane (cis)	N	Yes	1.24 J	1.24 J+	SUR
L2306883	SW8081B	NA	HA-10 (6-8)	L2306883-10	4,4'-DDD	N	Yes	3.5	3.5 J+	SUR
L2306883	SW8081B	NA	HA-10 (6-8)	L2306883-10	Dieldrin	N	Yes	2.4	2.4 J+	SUR
L2307677	SW8081B	NA	HA-13 (2-4)	L2307677-01	gamma-Chlordane (trans)	N	Yes	3.89	3.89 J+	SUR
L2306883	SW8081B	NA	HA-17 (2-4)	L2306883-13	4,4'-DDT	N	Yes	6.09	6.09 J+	SUR
L2307677	SW8081B	NA	HA-18 (2-4)	L2307677-05	4,4'-DDT	N	Yes	24.3	24.3 J+	SUR
L2307677	SW8081B	NA	HA-18 (2-4)	L2307677-05	Dieldrin	N	Yes	4.56	4.56 J+	SUR
L2307677	SW8081B	NA	HA-18 (2-4)	L2307677-05	gamma-Chlordane (trans)	N	Yes	2.48	2.48 J+	SUR
L2307677	SW8081B	NA	HA-18 (6-8)	L2307677-06	4,4'-DDD	N	Yes	148	148 J+	SUR
L2307677	SW8081B	NA	HA-18 (6-8)	L2307677-06	4,4'-DDE	N	Yes	90.6	90.6 J+	SUR
L2307677	SW8081B	NA	HA-18 (6-8)	L2307677-06	4,4'-DDT	N	Yes	29.4	29.4 J+	SUR
L2307677	SW8081B	NA	HA-18 (6-8)	L2307677-06	alpha-Chlordane (cis)	N	Yes	7.04	7.04 J+	SUR
L2307677	SW8081B	NA	HA-18 (6-8)	L2307677-06	gamma-Chlordane (trans)	N	Yes	8.57	8.57 J+	SUR
L2306883	SW8081B	NA	HA-19 (2-4)	L2306883-17	4,4'-DDE	N	Yes	12.5	12.5 J+	SUR
L2306883	SW8081B	NA	HA-19 (2-4)	L2306883-17	Dieldrin	N	Yes	11	11 J+	SUR
L2306883	SW8081B	NA	HA-19 (6-8)	L2306883-18	4,4'-DDD	N	Yes	38	38 J+	SUR
L2306883	SW8081B	NA	HA-19 (6-8)	L2306883-18	alpha-Chlordane (cis)	N	Yes	2.43	2.43 J+	SUR
L2306883	SW8081B	NA	HA-21 (2-4)	L2306883-22	4,4'-DDE	N	Yes	6.72	6.72 J+	SUR
L2306883	SW8081B	NA	HA-21 (2-4)	L2306883-22	4,4'-DDT	N	Yes	4.74	4.74 J+	SUR
L2306883	SW8081B	NA	HA-21 (2-4)	L2306883-22	Chlordane	N	Yes	7.44 J	7.44 J+	SUR
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	4,4'-DDE	N	Yes	2.46	2.46 J-	SUR, LCS
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	4,4'-DDT	N	Yes	15.4	15.4 J-	SUR, LCS
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	Dieldrin	N	Yes	6.3	6.3 J-	SUR, LCS
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	Methoxychlor	N	Yes	5.21	5.21 J-	SUR, LCS
L2307196	SW8081B	NA	HA-07 (10-12)	L2307196-03	alpha-Chlordane (cis)	N	Yes	5.14	5.14 J-	SUR, LCS
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	4-Chloroaniline	N	Yes	U	UJ	SUR, LCS

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L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Hexachlorocyclopentadiene	N	Yes	U	UJ	SUR, LCS
L2307196	SW8081B	NA	HA-07 (2-4)	L2307196-01	4,4'-DDT	N	Yes	45.6	45.6 J+	SUR, LCS
L2307196	SW8081B	NA	HA-07 (2-4)	L2307196-01	Chlordane	N	Yes	56.3	56.3 J+	SUR, LCS
L2307196	SW8081B	NA	HA-07 (2-4)	L2307196-01	Dieldrin	N	Yes	8.54	8.54 J+	SUR, LCS
L2307196	SW8081B	NA	HA-09 (6-8)	L2307196-06	4,4'-DDD	N	Yes	13.2	13.2 J+	SUR, LCS
L2307196	SW8081B	NA	HA-09 (6-8)	L2307196-06	4,4'-DDE	N	Yes	20.3	20.3 J+	SUR, LCS
L2307196	SW8081B	NA	HA-09 (6-8)	L2307196-06	4,4'-DDT	N	Yes	31.1	31.1 J+	SUR, LCS
L2307196	SW8081B	NA	HA-09 (6-8)	L2307196-06	Chlordane	N	Yes	69.9	69.9 J+	SUR, LCS
L2307196	SW8081B	NA	HA-09 (6-8)	L2307196-06	Dieldrin	N	Yes	8.98	8.98 J+	SUR, LCS
L2307196	SW8081B	NA	HA-09 (6-8)	L2307196-06	alpha-Chlordane (cis)	N	Yes	13.6	13.6 J+	SUR, LCS
L2307196	SW8081B	NA	HA-09 (6-8)	L2307196-06	gamma-Chlordane (trans)	N	Yes	13.8	13.8 J+	SUR, LCS
L2307196	SW8081B	NA	HA-11 (2-4)	L2307196-09	alpha-Chlordane (cis)	N	Yes	2.98	2.98 J+	SUR, LCS
L2307196	SW8081B	NA	HA-12 (2-4)	L2307196-13	Methoxychlor	N	Yes	19.4	19.4 J+	SUR, LCS
L2307511	SW8260D	NA	HA-03 (10-12)	L2307511-03	2-Phenylbutane (sec-Butylbenzene)	N	Yes	1100	1100 J+	Sur
L2307511	SW8260D	NA	HA-03 (10-12)	L2307511-03	n-Butylbenzene	N	Yes	1200	1200 J+	Sur
L2307511	SW8260D	NA	HA-03 (10-12)	L2307511-03	n-Propylbenzene	N	Yes	1800	1800 J+	Sur
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,1,1,2-Tetrachloroethane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,1,1-Trichloroethane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,1,2,2-Tetrachloroethane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,1,2-Trichloroethane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,1-Dichloroethane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,1-Dichloroethene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,1-Dichloropropene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,2,3-Trichlorobenzene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,2,3-Trichloropropane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,2,4,5-Tetramethylbenzene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,2,4-Trichlorobenzene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,2,4-Trimethylbenzene	N	Yes	22 J	22 R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,2-Dibromo-3-chloropropane (DBCP)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,2-Dibromoethane (Ethylene Dibromide)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,2-Dichlorobenzene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,2-Dichloroethane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,2-Dichloroethane-d4	N	Yes	19.8	19.8 R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,2-Dichloroethene (total)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,2-Dichloropropane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,3,5-Trimethylbenzene	N	Yes	11 J	11 R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,3-Dichlorobenzene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,3-Dichloropropane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,3-Dichloropropene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,4-Dichlorobenzene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,4-Diethylbenzene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	1,4-Dioxane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	2,2-Dichloropropane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	2-Butanone (Methyl Ethyl Ketone)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	2-Chlorotoluene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	2-Hexanone (Methyl Butyl Ketone)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	2-Phenylbutane (sec-Butylbenzene)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	4-Bromofluorobenzene	N	Yes	19.2	19.2 R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	4-Chlorotoluene	N	Yes	U	R	VCR

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L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Acetone	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Acrylonitrile	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Benzene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Bromobenzene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Bromodichloromethane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Bromoform	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Bromomethane (Methyl Bromide)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Carbon disulfide	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Carbon tetrachloride	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Chlorobenzene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Chlorobromomethane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Chloroethane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Chloroform (Trichloromethane)	N	Yes	27 J	27 R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Chloromethane (Methyl Chloride)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Cymene (p-Isopropyltoluene)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Dibromochloromethane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Dibromofluoromethane	N	Yes	20.2	20.2 R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Dibromomethane	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Dichlorodifluoromethane (CFC-12)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Ethyl Ether	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Ethylbenzene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Hexachlorobutadiene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Isopropylbenzene (Cumene)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Methyl Tert Butyl Ether (MTBE)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Methylene chloride (Dichloromethane)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Styrene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Tetrachloroethene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Toluene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Toluene-D8	N	Yes	19.3	19.3 R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Trichloroethene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Trichlorofluoromethane (CFC-11)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Vinyl acetate	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Vinyl chloride	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	Xylene (Total)	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	cis-1,2-Dichloroethene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	cis-1,3-Dichloropropene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	m,p-Xylenes	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	n-Butylbenzene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	n-Propylbenzene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	o-Xylene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	tert-Butylbenzene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	trans-1,2-Dichloroethene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	trans-1,3-Dichloropropene	N	Yes	U	R	VCR
L2305570	SW8260D	NA	HA-06 (10-12)	L2305570-03	trans-1,4-Dichloro-2-butene	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	1,2,4,5-Tetrachlorobenzene	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	1,2,4-Trichlorobenzene	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	1,2-Dichlorobenzene	N	Yes	U	R	VCR

TABLE 1
SYSTEM PERFORMANCE SUMMARY
556 BALTIC STREET SITE RIR
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	1,3-Dichlorobenzene	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	1,4-Dichlorobenzene	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	1,4-Dioxane	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,2'-oxybis(1-Chloropropane)	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,4,5-Trichlorophenol	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,4,6-Tribromophenol	N	Yes	47.3	47.3 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,4,6-Trichlorophenol	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,4-Dichlorophenol	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,4-Dimethylphenol	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,4-Dinitrophenol	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,4-Dinitrotoluene	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2,6-Dinitrotoluene	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2-Chloronaphthalene	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2-Chlorophenol	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2-Fluorobiphenyl	N	Yes	872	872 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2-Fluorophenol	N	Yes	59.2	59.2 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2-Methylnaphthalene	N	Yes	130 J	130 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2-Methylphenol (o-Cresol)	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2-Nitroaniline	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	2-Nitrophenol	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	3&4-Methylphenol	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	3,3'-Dichlorobenzidine	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	3-Nitroaniline	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	4,6-Dinitro-2-methylphenol	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	4-Bromophenyl phenyl ether (BDE-3)	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	4-Chloro-3-methylphenol	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	4-Chloroaniline	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	4-Chlorophenyl phenyl ether	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	4-Nitroaniline	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	4-Nitrophenol	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Acenaphthene	N	Yes	380	380 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Acenaphthylene	N	Yes	250	250 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Acetophenone	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Anthracene	N	Yes	1000	1000 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Benzo(a)anthracene	N	Yes	3400	3400 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Benzo(a)pyrene	N	Yes	3700	3700 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Benzo(b)fluoranthene	N	Yes	4200	4200 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Benzo(g,h,i)perylene	N	Yes	2000	2000 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Benzo(k)fluoranthene	N	Yes	1500	1500 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Benzoic acid	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Benzyl Alcohol	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Biphenyl	N	Yes	40 J	40 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Butyl benzylphthalate (BBP)	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Carbazole	N	Yes	440	440 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Chrysene	N	Yes	3100	3100 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Di-n-butylphthalate (DBP)	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Di-n-octyl phthalate (DnOP)	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Dibenz(a,h)anthracene	N	Yes	490	490 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Dibenzofuran	N	Yes	260	260 R	VCR

TABLE 1
SYSTEM PERFORMANCE SUMMARY
556 BALTIC STREET SITE RIR
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Diethyl phthalate	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Dimethyl phthalate	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Fluoranthene	N	Yes	8000	8000 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Fluorene	N	Yes	360	360 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Hexachlorobenzene	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Hexachlorobutadiene	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Hexachlorocyclopentadiene	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Hexachloroethane	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Indeno(1,2,3-cd)pyrene	N	Yes	2300	2300 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Isophorone	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	N-Nitrosodi-n-propylamine	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	N-Nitrosodiphenylamine	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Naphthalene	N	Yes	220 J	220 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Nitrobenzene	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Nitrobenzene-D5	N	Yes	741	741 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Pentachlorophenol	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Phenanthrene	N	Yes	4500	4500 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Phenol	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Phenol-d6	N	Yes	455	455 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	Pyrene	N	Yes	6700	6700 R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	bis(2-Chloroethoxy)methane	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	bis(2-Chloroethyl)ether	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	bis(2-Ethylhexyl)phthalate	N	Yes	U	R	VCR
L2307196	SW8270E	NA	HA-07 (10-12)	L2307196-03	p-Terphenyl-d14	N	Yes	780	780 R	VCR

Notes:
EXE = Result exceeds the calibration range.
FDP = Field duplicate qualifier due to an exceedance of the specified limits.
HTQ = Holding time exceedance.
LCS = Laboratory control/laboratory control spike duplicate percent recoveries or relative percent difference were outside the specified limits.
MBK = Method blank contamination.
MSD = Matrix spike/matrix spike duplicate percent recoveries or relative percent difference were outside the specified limits.
RPD = Pesticides and PCB confirmation column RPD Exceeded; or MSD/LCS RPD exceedance.
SUR = Surrogate percent recovery outside the specified limits.
VCR = Validator's choice of reanalysis.
J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.
J- = The result is an estimated quantity, but the result may be biased low.
J+ = The result is an estimated quantity, but the result may be biased high.
R = The sample results were rejected as unusable; the compound may or may not be present in the sample.
U = The compound was analyzed for but not detected.
UJ = The compound was not detected above the reported sample quantitation limit; however, the reported limit is estimated and may or may not represent the actual limit of quantitation.

Data Usability Summary Report

Project Name: 556 Baltic Street Site RIR

Project Description: Soil Samples, PFAS

Sample Date(s): 1 through 13 February 2023

Analytical Laboratory: Alpha Analytical – Westborough, MA

Validation Performed by: Raul Tenorio

Validation Reviewed by: Katherine Miller

Validation Date: 23 March 2023

Haley & Aldrich, Inc. prepared this Data Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for Sample Delivery Group(s) (SDG) listed. This DUSR is organized into the following sections:

- 1. Sample Delivery Group Numbers**
 - 2. Precision and Accuracy [for SDG(s) above]**
 - 3. Explanations**
 - 4. Glossary**
 - 5. Abbreviations**
 - 6. Qualifiers**
- References**

This data validation and usability assessment was performed per the guidance and requirements established by the United States Environmental Protection Agency (USEPA) using the following reference materials:

- Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under New York State Department of Environmental Conservation's (NYSDEC's) Part 375 Remedial Programs.

Data reported in this sampling event were reported to the laboratory method detection limit (MDL). Results found between the MDL and reporting limit (RL) are flagged J as estimated.

Sample data were qualified in accordance with the laboratory's standard operating procedures (SOP). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQO) for the project and therefore usable; any exceptions are noted in the following pages.

1. Sample Delivery Group Numbers

1.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of SDG numbers:

- L2305570, dated 7 March 2023,
- L2305934, dated 7 March 2023,
- L2306883, dated 6 March 2023,
- L2307196, dated 13 March 2023,
- L2307511, dated 9 March 2023, and
- L2307677, dated 13 March 2023.

Samples were collected, preserved, and shipped following standard chain of custody (COC) protocol.

Samples were also received appropriately, identified correctly, and analyzed according to the COC. Issues noted with sample management are listed below:

- Custody seals were not used when samples were dropped off at the laboratory or service center by the field staff, submitted to a laboratory-provided courier, or when transported between subcontracted laboratories.
- This report contains of validation for groundwater samples by PFAS analysis only.

Analyses were performed on the following samples:

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods
HA-06 (2-4)	N	L2305570-01	02/01/2023	SO	A
HA-06 (6-8)	N	L2305570-02	02/01/2023	SO	A
HA-06 (10-12)	N	L2305570-03	02/01/2023	SO	A
HA-06 (14-16)	N	L2305570-04	02/01/2023	SO	A
HA-08 (2-4)	N	L2305570-05	02/01/2023	SO	A
HA-08 (6-8)	N	L2305570-06	02/01/2023	SO	A
HA-08 (10-12)	N	L2305570-07	02/01/2023	SO	A
HA-08 (14-16)	N	L2305570-08	02/01/2023	SO	A
HA-14 (2-4)	N	L2305570-09	02/01/2023	SO	A
HA-14 (6-8)	N	L2305570-10	02/01/2023	SO	A
HA-14 (10-12)	N	L2305570-11	02/01/2023	SO	A
HA-14 (14-16)	N	L2305570-12	02/01/2023	SO	A
HA-15 (2-4)	N	L2305570-13	02/01/2023	SO	A
HA-15 (6-8)	N	L2305570-14	02/01/2023	SO	A
HA-15 (10-12)	N	L2305570-15	02/01/2023	SO	A
HA-15 (14-16)	N	L2305570-16	02/01/2023	SO	A
HA-16 (2-4)	N	L2305570-17	02/01/2023	SO	A

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods
HA-16 (6-8)	N	L2305570-18	02/01/2023	SO	A
HA-16 (10-12)	N	L2305570-19	02/01/2023	SO	A
HA-16 (14-16)	N	L2305570-20	02/01/2023	SO	A
FIELD BLANK 02012023	FB	L2305570-21	02/01/2023	WQ	A
HA-04 (2-4)	N	L2305934-01	02/02/2023	SO	A
HA-04 (6-8)	N	L2305934-02	02/02/2023	SO	A
HA-04 (10-12)	N	L2305934-03	02/02/2023	SO	A
HA-04 (14-16)	N	L2305934-04	02/02/2023	SO	A
HA-05 (2-4)	N	L2305934-05	02/02/2023	SO	A
HA-05 (6-8)	N	L2305934-06	02/02/2023	SO	A
HA-05 (10-12)	N	L2305934-07	02/02/2023	SO	A
HA-05 (14-16)	N	L2305934-08	02/02/2023	SO	A
DUP_1_02022023	FD	L2305934-09	02/02/2023	SO	A
FIELD BLANK 02022023	FB	L2305934-10	02/02/2023	WQ	A
HA-01 (2-4)	N	L2306883-01	02/08/2023	SO	A
HA-01 (6-8)	N	L2306883-02	02/08/2023	SO	A
HA-01 (10-12)	N	L2306883-03	02/08/2023	SO	A
HA-01 (14-16)	N	L2306883-04	02/08/2023	SO	A
HA-02 (2-4)	N	L2306883-05	02/08/2023	SO	A
HA-02 (6-8)	N	L2306883-06	02/08/2023	SO	A
HA-02 (10-12)	N	L2306883-07	02/08/2023	SO	A
HA-02 (14-16)	N	L2306883-08	02/08/2023	SO	A
HA-10 (2-4)	N	L2306883-09	02/08/2023	SO	A
HA-10 (6-8)	N	L2306883-10	02/08/2023	SO	A
HA-10 (10-12)	N	L2306883-11	02/08/2023	SO	A
HA-10 (14-16)	N	L2306883-12	02/08/2023	SO	A
HA-17 (2-4)	N	L2306883-13	02/08/2023	SO	A
HA-17 (6-8)	N	L2306883-14	02/08/2023	SO	A
HA-17 (10-12)	N	L2306883-15	02/08/2023	SO	A
HA-17 (14-16)	N	L2306883-16	02/08/2023	SO	A
HA-19 (2-4)	N	L2306883-17	02/08/2023	SO	A
HA-19 (6-8)	N	L2306883-18	02/08/2023	SO	A
HA-19 (10-12)	N	L2306883-19	02/08/2023	SO	A
HA-19 (14-16)	N	L2306883-20	02/08/2023	SO	A
HA-19 (20-22)	N	L2306883-21	02/08/2023	SO	A
HA-21 (2-4)	N	L2306883-22	02/08/2023	SO	A
HA-21 (6-8)	N	L2306883-23	02/08/2023	SO	A
HA-21 (10-12)	N	L2306883-24	02/08/2023	SO	A
HA-21 (14-16)	N	L2306883-25	02/08/2023	SO	A
HA-21 (20-22)	N	L2306883-26	02/08/2023	SO	A
DUP_1_02082023	FD	L2306883-27	02/08/2023	SO	A
FIELD BLANK 02082023	FB	L2306883-28	02/08/2023	WQ	A

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods
HA-07 (2-4)	N	L2307196-01	02/09/2023	SO	A
HA-07 (6-8)	N	L2307196-02	02/09/2023	SO	A
HA-07 (10-12)	N	L2307196-03	02/09/2023	SO	A
HA-07 (14-16)	N	L2307196-04	02/09/2023	SO	A
HA-09 (2-4)	N	L2307196-05	02/09/2023	SO	A
HA-09 (6-8)	N	L2307196-06	02/09/2023	SO	A
HA-09 (10-12)	N	L2307196-07	02/09/2023	SO	A
HA-09 (14-16)	N	L2307196-08	02/09/2023	SO	A
HA-11 (2-4)	N	L2307196-09	02/09/2023	SO	A
HA-11 (6-8)	N	L2307196-10	02/09/2023	SO	A
HA-11 (10-12)	N	L2307196-11	02/09/2023	SO	A
HA-11 (14-16)	N	L2307196-12	02/09/2023	SO	A
HA-12 (2-4)	N	L2307196-13	02/09/2023	SO	A
HA-12 (6-8)	N	L2307196-14	02/09/2023	SO	A
HA-12 (10-12)	N	L2307196-15	02/09/2023	SO	A
HA-12 (14-16)	N	L2307196-16	02/09/2023	SO	A
FIELD BLANK 02092023	FB	L2307196-17	02/09/2023	WQ	A
HA-03 (2-4)	N	L2307511-01	02/10/2023	SO	A
HA-03 (6-8)	N	L2307511-02	02/10/2023	SO	A
HA-03 (10-12)	N	L2307511-03	02/10/2023	SO	A
HA-03 (14-16)	N	L2307511-04	02/10/2023	SO	A
HA-20 (2-4)	N	L2307511-05	02/10/2023	SO	A
HA-20 (6-8)	N	L2307511-06	02/10/2023	SO	A
HA-20 (10-12)	N	L2307511-07	02/10/2023	SO	A
HA-20 (14-16)	N	L2307511-08	02/10/2023	SO	A
HA-13 (2-4)	N	L2307677-01	02/13/2023	SO	A
HA-13 (6-8)	N	L2307677-02	02/13/2023	SO	A
HA-13 (10-12)	N	L2307677-03	02/13/2023	SO	A
HA-13 (14-16)	N	L2307677-04	02/13/2023	SO	A
HA-18 (2-4)	N	L2307677-05	02/13/2023	SO	A
HA-18 (6-8)	N	L2307677-06	02/13/2023	SO	A
HA-18 (10-12)	N	L2307677-07	02/13/2023	SO	A
HA-18 (14-16)	N	L2307677-08	02/13/2023	SO	A
DUP_1_02132023	FD	L2307677-09	02/13/2023	SO	A

Method Holding Times			
A.	E1633	EPA draft method 1633 – PFAS	28 days extraction/40 days analysis for solid, preserved

**Holding time specified by NYSDEC Guidance.*

1.2 CASE NARRATIVE

The laboratory report case narratives included the following issues:

- SDG L2305570, MB (WG1750496-1): The sample was re-analyzed due to quality control (QC) failures in the original analysis. The results of the re-analysis are reported.

1.3 HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified per method protocol with the following exceptions:

Method	Matrix	Holding Time	Preservation	Sample ID, Violation, Qualification
E1633	Solid	28 days extraction/40 days analysis for solid, preserved	Preserved with ice, cool to $\leq 6^{\circ}\text{C}$	The following samples were extracted 1 day outside the NYSDEC holding time but were not qualified as the method SOP is 90 days: SDG L2305570: L2305570-01 to -20 SDG L2305934: L2305934-01 to -09

1.4 REPORTING LIMITS AND SAMPLE DILUTIONS

The RLs for the samples within this SDG met or were below the minimum RL requirements with the following exceptions:

- SDGs L2305570, L2305934, L2306883, L2307196, L2307511, and L2307677: 6:2 fluorotelomer sulfonate (FTS), 8:2 FTS, and perfluorobutanoic acid (PFBA) RLs were slightly above 0.5 nanograms per gram ([ng/g], 0.710 to 0.800 ng/g). No qualification necessary.
- SDGs L2305570, L2305934, L2306883, and L2307196: 6:2 FTS, 8:2 FTS, and PFBA reporting limits were slightly above 2 ng/L, (2.84 to 6.76 ng/L). No qualification necessary.

No sample dilutions were performed for the analysis of the samples in this report.

1.5 REPORTING BASIS (WET/DRY)

[Refer to section E 1.1.](#) Soil data in this SDG were reported on a dry weight basis.

Where reported, percent solid results were reviewed and found to be within limits.

1.6 LABORATORY CONTROL SAMPLES

[Refer to section E 1.3.](#) Compounds associated with the laboratory control samples (LCS) analyses associated with client samples exhibited recoveries within the specified limits with the following exceptions:

SDG #	Sample Type	Method	Batch ID	Analyte	%R	Qualifier	Affected Samples
L2305570	LCS	E1633	WG1745584-03	PFNA	145%	J/UJ	L2305570-21
L2305570	LCS	E1633	WG1750496-2	PFNA	145%	J/UJ	L2305570-01 to -20
L2305570	LCS	E1633	WG1750496-2	PFOS	132%	J/UJ	L2305570-01 to -20
L2305934	LCS	E1633	WG1745584-03	PFNA	145%	J/UJ	L2305934-10
L2305934	LCS	E1633	WG1750815-2	PFNA	152%	J/UJ	L2305934-01 to -09
L2305934	LCS	E1633	WG1750815-3	PFNA	132%	J/UJ	L2305934-01 to -09
L2306883	LCS	E1633	WG1744424-3	PFTTrDA	68%	J/UJ	L2306883-01 to -09
L2306883	LCS	E1633	WG1745584-03	PFNA	145%	J/UJ	L2306883-28
L2306883	LCS	E1633	WG1749903-2	PFBA	134%	J/UJ	L2306883-10 to -27
L2306883	LCS	E1633	WG1749903-2	PFHpS	131%	J/UJ	L2306883-10 to -27
L2306883	LCS	E1633	WG1749903-2	PFNA	132%	J/UJ	L2306883-10 to -27
L2306883	LCS	E1633	WG1749903-2	8:2 FTS	135%	J/UJ	L2306883-10 to -27
L2306883	LCS	E1633	WG1749903-2	NMeFOSAA	140%	J/UJ	L2306883-10 to -27
L2306883	LCS	E1633	WG1749903-2	PFDoA	170%	J/UJ	L2306883-10 to -27
L2306883	LCS	E1633	WG1749903-2	PFTeDA	148%	J/UJ	L2306883-10 to -27
L2306883	LCS	E1633	WG1749903-3	PFNA	134%	J/UJ	L2306883-10 to -27
L2307196	LCS	E1633	WG1745584-03	PFNA	145%	J/UJ	L2307196-17
L2307196	LCS	E1633	WG1751132-2	PFHxA	138%	J/UJ	L2307196-01 to -16
L2307196	LCS	E1633	WG1751132-2	NMeFOSAA	140%	J/UJ	L2307196-01 to -16
L2307511	LCS	E1633	WG1751220-2	PFOA	132%	J/UJ	L2307511-01 to -08
L2307511	LCS	E1633	WG1751220-2	6:2 FTS	136%	J/UJ	L2307511-01 to -08
L2307511	LCS	E1633	WG1751220-2	PFNA	132%	J/UJ	L2307511-01 to -08
L2307511	LCS	E1633	WG1751220-2	PFOS	137%	J/UJ	L2307511-01 to -08

SDG #	Sample Type	Method	Batch ID	Analyte	%R	Qualifier	Affected Samples
L2307511	LCS	E1633	WG1751220-2	8:2 FTS	135%	J/UJ	L2307511-01 to -08
L2307511	LCS	E1633	WG1751220-2	NMeFOSAA	142%	J/UJ	L2307511-01 to -08
L2307511	LCS	E1633	WG1751220-2	PFDaA	138%	J/UJ	L2307511-01 to -08
L2307511	LCS	E1633	WG1751220-2	PFOA	132%	J/UJ	L2307677-01 to -09
L2307511	LCS	E1633	WG1751220-2	6:2 FTS	136%	J/UJ	L2307677-01 to -09
L2307511	LCS	E1633	WG1751220-2	PFNA	132%	J/UJ	L2307677-01 to -09
L2307511	LCS	E1633	WG1751220-2	PFOS	137%	J/UJ	L2307677-01 to -09
L2307511	LCS	E1633	WG1751220-2	8:2 FTS	135%	J/UJ	L2307677-01 to -09
L2307511	LCS	E1633	WG1751220-2	NMeFOSAA	142%	J/UJ	L2307677-01 to -09
L2307511	LCS	E1633	WG1751220-2	PFDaA	138%	J/UJ	L2307677-01 to -09

1.7 MATRIX SPIKE SAMPLES

[Refer to section E 1.4.](#) The sample(s) below were used for matrix spike/matrix spike duplicate (MS/MSD):

Lab Sample Number	Matrix Spike/Matrix Spike Duplicate Sample Client ID	Method(s)
L2305570-01	HA-06 (2-4')	E1633
L2307196-05	HA-09 (2-4')	E1633

The MS/MSD recoveries and the relative percent difference (RPD) between the MS and MSD results were within the specified limits with the following exceptions:

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS/MSD	E1633	HA-06 (2-4')	PFOS	65%/72%	J/UJ	L2305570-01
MS/MSD	E1633	HA-09 (2-4')	PFOA	91%/65%	J/UJ	L2307196-05

1.8 BLANK SAMPLE ANALYSIS

[Refer to section E 1.5.](#) Method blank samples had no detections, indicating that no contamination from laboratory activities occurred with the following exceptions:

Blank Type	Batch ID	Analyte Detected in Blank	Concentration (ng/g)	Qualifier	Affected Samples
Method Blank	WG1751132-1	PFBA	0.088 J	RL U	L2307196-01 to -16

The analysis of the blank samples for field quality control was free of target compounds.

1.9 DUPLICATE SAMPLE ANALYSIS

[Refer to section E 1.6.](#) The laboratory did not analyze any laboratory duplicates as per the method or laboratory SOP.

The following sample(s) were used for field duplicate analysis. RPDs were all below 30 percent for soil (or the absolute difference rule was satisfied if detects were less than 2 times the RL). Any exceptions are noted below and qualified.

Primary Sample ID	Duplicate Sample ID	Method(s)
HA-04 (6-8)	DUP_1_02022023	E1633
HA-18 (10-12)	DUP_1_02132023	E1633
HA-19 (10-12)	DUP_1_02082023	E1633

Field Duplicate RPD Calculations:

Method(s): E1633				
Analyte (ng/g)	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
	HA-04 (6-8)	DUP_1_02022023		
PFOS	0.569	0.866	41	J/UJ
US EPA PFAS (PFOS + PFOA)	0.569	1.03	58	J/UJ
Analyte (ng/g)	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
	HA-18 (10-12)	DUP_1_02132023		
US EPA PFAS (PFOS + PFOA)	0.595	0.355	NA	J/UJ, Abs. Diff. > RL
Analyte (ng/g)	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
	HA-19 (10-12)	DUP_1_02082023		
PFOS	0.273	0.709	NA	J/UJ, Abs. Diff. > RL
US EPA PFAS (PFOS + PFOA)	0.398	0.961	83	J/UJ

1.10 PFAS SAMPLE PREPARATION

[Refer to section E 1.14.](#) The laboratory's SOP was reviewed and the reviewer confirmed it is the laboratory's procedure to use solid phase extraction (SPE) for sample preparation.

1.11 PFAS IDENTIFICATION

Refer to section E 1.15. Ion ratios were reviewed and were within the laboratory specified limits with the following exceptions:

Sample ID	Analyte	Qualifier	Affected Samples
L2305570-10	PFOS	J	L2305570-10
L2305570-10	PFHxA	J	L2305570-10
L2306883-07	PFOS	J	L2306883-07
L2306883-23	PFOA	J	L2306883-23
L2306883-26	PFOS	J	L2306883-26
L2306883-27	PFDODA	J	L2306883-27
L2306883-27	PFNA	J	L2306883-27
L2307196-13	PFOS	J	L2307196-13
L2307511-02	PFDA	J	L2307511-02
L2307511-08	PFPeA	J	L2307511-08
L2307677-03	NEtFOSAA	J	L2307677-03

The laboratory's SOP was reviewed and the reviewer confirmed that, when applicable, the laboratory's procedure is to sum the branched and linear peaks.

1.12 EXTRACTION INTERNAL STANDARDS

Refer to section E 1.16. Recoveries were reviewed and found to be within the limits of 50 to 150 percent, with the following exceptions:

Sample ID	Lab ID or Batch ID	Standard Name	%Recovery	Qualifier	Affected Samples
HA-06 (6-8')	L2305570-02	13C2-PFTeDA	46%	"J/UJ" PFTeDA & PFTrIA	L2305570-02
HA-16 (6-8')	L2305570-18	13C2-PFTeDA	42%	"J/UJ" PFTeDA & PFTrIA	L2305570-18
HA-01 (2-4')	L2306883-01	13C2-PFDoA	42%	"J/UJ" PFDoA & PFTrIA	L2306883-01
HA-01 (2-4')	L2306883-01	13C2-PFTeDA	25%	"J/UJ" PFTeDA & PFTrIA	L2306883-01
HA-01 (6-8')	L2306883-02	13C2-PFTeDA	25%	"J/UJ" PFTeDA & PFTrIA	L2306883-02
HA-01 (10-12')	L2306883-03	13C2-PFTeDA	36%	"J/UJ" PFTeDA & PFTrIA	L2306883-03
HA-01 (14-16')	L2306883-04	13C2-PFTeDA	28%	"J/UJ" PFTeDA & PFTrIA	L2306883-04
HA-02 (2'-4')	L2306883-05	13C2-PFDoA	46%	"J/UJ" PFDoA & PFTrIA	L2306883-05

Sample ID	Lab ID or Batch ID	Standard Name	%Recovery	Qualifier	Affected Samples
HA-02 (2'-4')	L2306883-05	13C2-PFTeDA	24%	"J/UJ" PFTeDA & PFtriA	L2306883-05
HA-02 (6-8')	L2306883-06	13C2-PFDoA	41%	"J/UJ" PFDoA & PFtriA	L2306883-06
HA-02 (6-8')	L2306883-06	13C2-PFTeDA	28%	"J/UJ" PFTeDA & PFtriA	L2306883-06
HA-02 (10-12')	L2306883-07	13C2-PFDoA	49%	"J/UJ" PFDoA & PFtriA	L2306883-07
HA-02 (10-12')	L2306883-07	13C2-PFTeDA	33%	"J/UJ" PFTeDA & PFtriA	L2306883-07
HA-02 (14-16')	L2306883-08	13C2-PFDoA	44%	"J/UJ" PFDoA & PFtriA	L2306883-08
HA-02 (14-16')	L2306883-08	13C2-PFTeDA	33%	"J/UJ" PFTeDA & PFtriA	L2306883-08
HA-10 (2'-4')	L2306883-09	13C2-PFDoA	49%	"J/UJ" PFDoA & PFtriA	L2306883-09
HA-10 (2'-4')	L2306883-09	13C2-PFTeDA	38%	"J/UJ" PFTeDA & PFtriA	L2306883-09
HA-17 (10-12')	L2306883-15	13C8-PFOSA	45%	"J/UJ" PFOSA	L2306883-15
HA-17 (10-12')	L2306883-15	D5-NetFOSAA	49%	"J/UJ" NetFOSAA	L2306883-15
HA-17 (10-12')	L2306883-15	13C2-PFTeDA	38%	"J/UJ" PFTeDA & PFtriA	L2306883-15
HA-17 (14-16')	L2306883-16	13C2-PFTeDA	31%	"J/UJ" PFTeDA & PFtriA	L2306883-16
HA-19 (2'-4')	L2306883-17	13C2-8:2FTS	245%	"J/UJ" 8:2 FTS	L2306883-17
FIELD BLANK 02082023	L2306883-28	D3-NMeFOSAA	156%	"J/UJ" NMeFOSAA	L2306883-28
HA-07 (2-4')	L2307196-01	13C2-PFTeDA	35%	"J/UJ" PFTeDA & PFtriA	L2307196-01
HA-07 (6-8')	L2307196-02	13C2-PFTeDA	49%	"J/UJ" PFTeDA & PFtriA	L2307196-02
HA-07 (10-12')	L2307196-03	13C2-PFTeDA	45%	"J/UJ" PFTeDA & PFtriA	L2307196-03
HA-07 (14-16')	L2307196-04	13C2-PFDoA	49%	"J/UJ" PFDoA & PFtriA	L2307196-04
HA-07 (14-16')	L2307196-04	13C2-PFTeDA	37%	"J/UJ" PFTeDA & PFtriA	L2307196-04
HA-09 (2-4')	L2307196-05	13C2-PFTeDA	42%	"J/UJ" PFTeDA & PFtriA	L2307196-05
HA-09 (6-8')	L2307196-06	13C2-PFTeDA	42%	"J/UJ" PFTeDA & PFtriA	L2307196-06
HA-09 (10-12')	L2307196-07	13C2-PFTeDA	42%	"J/UJ" PFTeDA & PFtriA	L2307196-07
HA-09 (14-16')	L2307196-08	13C2-PFTeDA	40%	"J/UJ" PFTeDA & PFtriA	L2307196-08

Sample ID	Lab ID or Batch ID	Standard Name	%Recovery	Qualifier	Affected Samples
HA-11 (2-4')	L2307196-09	13C2-PFTeDA	46%	"J/UJ" PFTeDA & PFTriA	L2307196-09
HA-11 (6-8')	L2307196-10	13C2-PFTeDA	33%	"J/UJ" PFTeDA & PFTriA	L2307196-10
HA-11 (10-12')	L2307196-11	13C2-PFTeDA	41%	"J/UJ" PFTeDA & PFTriA	L2307196-11
HA-12 (10-12')	L2307196-15	13C2-PFDoA	44%	"J/UJ" PFDoA & PFTriA	L2307196-15
HA-12 (10-12')	L2307196-15	13C2-PFTeDA	28%	"J/UJ" PFTeDA & PFTriA	L2307196-15
HA-12 (14-16')	L2307196-16	13C2-PFTeDA	45%	"J/UJ" PFTeDA & PFTriA	L2307196-16
HA-03 (14-16')	L2307511-04	13C2-PFTeDA	42%	"J/UJ" PFTeDA & PFTriA	L2307511-04
HA-13 (6-8')	L2307677-02	D3-NMeFOSAA	48%	"J/UJ" NMeFOSAA	L2307677-02
HA-13 (10-12')	L2307677-03	D3-NMeFOSAA	37%	"J/UJ" NMeFOSAA	L2307677-03
HA-13 (10-12')	L2307677-03	13C8-PFOSA	48%	"J/UJ" PFOSA	L2307677-03
HA-13 (10-12')	L2307677-03	D5-NEtFOSAA	39%	"J/UJ" NEtFOSAA	L2307677-03
HA-13 (14-16')	L2307677-04	D3-NMeFOSAA	41%	"J/UJ" NMeFOSAA	L2307677-04
HA-18 (2-4')	L2307677-05	D3-NMeFOSAA	43%	"J/UJ" NMeFOSAA	L2307677-05
HA-18 (6-8')	L2307677-06	D3-NMeFOSAA	45%	"J/UJ" NMeFOSAA	L2307677-06
HA-18 (14-16')	L2307677-08	D3-NMeFOSAA	48%	"J/UJ" NMeFOSAA	L2307677-08
LCS	WG1750815-2	D3-NMeFOSAA	161%	No qualifier	None
LCS	WG1744424-2	13C2-PFDoA	43%	No qualifier	None
LCS	WG1744424-2	13C2-PFTeDA	23%	No qualifier	None
LCS	WG1744424-3	13C2-PFTeDA	44%	No qualifier	None
LCS	WG1751132-2	13C2-PFTeDA	48%	No qualifier	None
LCS	WG1751132-3	13C2-PFTeDA	43%	No qualifier	None
LCS	WG1751220-2	D3-NMeFOSAA	48%	No qualifier	None
LCS	WG1751220-2	13C2-PFTeDA	47%	No qualifier	None
LCS	WG1751220-3	13C2-PFTeDA	48%	No qualifier	None
LCS	WG1751220-2	D3-NMeFOSAA	48%	No qualifier	None
LCS	WG1751220-2	13C2-PFTeDA	47%	No qualifier	None

Sample ID	Lab ID or Batch ID	Standard Name	%Recovery	Qualifier	Affected Samples
LCS	WG1751220-3	13C2-PFTeDA	48%	No qualifier	None
MS/MSD	WG1751132-4, WG1751132-5	13C2-PFTeDA	47%/39%	No qualifier	None
MB	WG1750815-1	D3-NMeFOSAA	198%	No qualifier	None
MB	WG1744424-1	13C2-PFDoA	40%	No qualifier	None
MB	WG1744424-1	13C2-PFTeDA	28%	No qualifier	None
MB	WG1751132-1	13C2-PFTeDA	42%	No qualifier	None

1.13 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The results presented in this report were found to comply with the data quality objectives for the project and the guidelines specified by the analytical method. Based on the review of this report, the data are useable and acceptable as no data was rejected. A summary of qualifiers applied to this data set is shown in Table 1.

2. Precision and Accuracy [for SDG(s) above]

[Refer to section E 1.7.](#) Where required by the method, some measurement of analytical accuracy and precision was reported for each method with the site samples.

3. Explanations

The following explanations include more detailed information regarding each of the sections in the DUSR above. Not all sections in the Explanations are represented:

- E 1.1 Reporting Basis (Wet/Dry)
 - Soil samples can be reported on either a wet (as received) or dry weight basis. Dry weight data indicate calculations were made to compensate for the moisture content of the soil sample.
 - Percent (%) solids should be appropriately considered when evaluating analytical results for non-aqueous samples. Sediments with high moisture content may or may not be successfully analyzed by routine analytical methods. Samples should have greater than or equal to 30 percent solids to be appropriately quantified.
- E 1.3 Laboratory Control Samples
 - The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.4 Matrix Spike Samples
 - Matrix spike/matrix spike duplicate (MS/MSD) data are used to assess the precision and accuracy of the analytical method and evaluate the effects of the sample matrix on the sample preparation procedures and measurement methodologies.
 - For inorganic methods, when a matrix spike recovery falls outside of the control limits and the sample result is less than four times the spike added, a post digestion spike (PDS) is performed.
- E 1.5 Blank Sample Analysis
 - Method blanks are prepared by the analytical laboratory and analyzed concurrently with the project samples to assess possible laboratory contamination.
 - Field blanks are prepared to identify contamination that may have been introduced during field activity. Equipment blanks are prepared to identify contamination that may have been introduced while decontaminating sampling equipment. Trip blanks are prepared when volatile analysis is requested to identify contamination that may have been introduced during transport.
- E 1.6 Laboratory and Field Duplicate Sample Analysis
 - The laboratory duplicate sample analysis is used by the laboratory at the time of the analysis to demonstrate acceptable method precision. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.
 - The field duplicate sample analysis is used to assess the precision of the field sampling procedures and analytical method. The relative percent difference (RPD) or absolute difference evaluated for each duplicate sample pair to monitor the reproducibility of the data.

- E 1.7 Precision and Accuracy
 - Precision measures the reproducibility of repetitive measurements. In a laboratory environment, this will be measured by determining the relative percent difference (RPD) found between a primary and a duplicate sample. This can be an LCS/LCSD pair, a MS/MSD pair, a laboratory duplicate performed on a site sample, or a field duplicate collected and analyzed concurrently with a site sample.
 - Accuracy is a statistical measurement of the correctness of a measured value and includes components of random error (variability caused by imprecision) and systematic error. In a laboratory environment, this will be measured by determining the percent recovery (%R) of certain spiked compounds. This can be assessed using LCS, blank spike (BS), MS, and/or surrogate recoveries.
- E 1.14 PFAS Sample Preparation
 - Analysis of PFAS requires specific sample preparation. Aqueous samples must be prepared using Solid Phase Extraction (SPE), unless samples are known to contain high PFAS concentrations or the samples are injected directly into the LC/MS/MS instrument. Samples with greater than 1 percent solids may require centrifugation prior to SPE. The entire sample plus bottle rinsate must be extracted using SPE. If high PFAS concentrations are known, the samples may alternately be prepared using serial dilution performed in duplicate. If prepared by serial dilution, there must be documented project approval for this deviation.
- E 1.15 PFAS Identification
 - Identification of PFAS requires dual confirmation. The chemical derivation of the ion transitions must be documented. A minimum of two ion transitions per analyte are required (except for PFBA and PFPeA). Ratios of the quantitation ion to the confirmation ion should be calculated for samples and be within 50 to 150 percent of the ratios of the quantitation ion to the confirmation ion for standards.
 - Identification of PFAS also requires the proper assessment of branched and linear peaks. Standards for both isomers are not currently available for every PFAS compound, resulting in the common error of quantifying the area of only the branched or the linear isomers, which results in erroneous concentrations.
- E 1.16 Extraction Internal Standards
 - Analysis of PFAS by isotope dilution includes the use of extracted internal standards, which are stable isotope analogs of the PFAS compounds of interest added to each sample prior to extraction of the sample matrix. Matrix interferences that affect the quantification of the internal standard will affect the calculated target compound concentrations.

4. Glossary

Not all of the following symbols, acronyms, or qualifiers occur in this document.

- Sample Types:
 - EB Equipment Blank Sample
 - FB Field Blank Sample
 - FD Field Duplicate Sample
 - N Primary Sample
 - TB Trip Blank Sample
- Units:
 - $\mu\text{g/kg}$ microgram per kilogram
 - $\mu\text{g/L}$ microgram per liter
 - $\mu\text{g/m}^3$ microgram per cubic meter
 - mg/kg milligram per kilogram
 - mg/L milligram per liter
 - ppb v/v parts per billion volume/volume
 - pCi/L picocuries per liter
 - pg/g picograms per gram
- Matrices:
 - AA Ambient Air
 - GS Soil Gas
 - GW/WG Groundwater
 - QW Water Quality
 - IA Indoor Air
 - SE Sediment
 - SO Soil
 - SSV Sub-slab Vapor
 - WQ Water Quality control matrix
 - WS Surface Water
- Table Footnotes:
 - NA Not applicable
 - ND Non-detect
 - NR Not reported
- Common Symbols:
 - % percent
 - < less than
 - $\leq$ less than or equal to
 - > greater than
 - $\geq$ greater than or equal to
 - = equal
 - $^{\circ}\text{C}$ degrees Celsius
 - $\pm$ plus or minus
 - $\sim$ approximately
 - x times (multiplier)

5. Abbreviations

%D	Percent Difference	mg/kg	milligrams per kilogram
%R	Percent Recovery	MS/MSD	Matrix Spike/Matrix Spike Duplicate
%RSD	Percent Relative Standard Deviation	NA	not applicable
%v/v	Percent volume by volume	ND	Non-Detect
µg/L	micrograms per liter	NFG	National Functional Guidelines
2s	2 sigma	NH ₃	Ammonia
4,4-DDT	4 4-dichlorodiphenyltrichloroethane	NYSDEC	New York State Department of Environmental Conservation
Abs Diff	Absolute Difference		
amu	atomic mass unit	PAH	polycyclic aromatic hydrocarbon
BPJ	Best Professional Judgement	PCB	Polychlorinated Biphenyl
BS	Blank Spike	PDS	Post Digestion Spike
CCB	Continuing Calibration Blank	PEM	Performance Evaluation Mixture
CCV	Continuing Calibration Verification	PFAS	Per- and Polyfluoroalkyl Substances
CCVL	Continuing Calibration Verification Low	PFBA	Perfluorobutanoic Acid
		PFD	Perfluorodecalin
COC	Chain of Custody	PFOA	Perfluorooctanoic Acid
COM	Combined Isotope Calculation	PFOS	Perfluorooctane sulfonate
Cr (VI)	Hexavalent Chromium	PFPeA	Perfluoropentanoic Acid
CRI	Collision Reaction Interface	QAPP	Quality Assurance Project Plan
DoD	Department of Defense	QC	Quality Control
DQO	data quality objective	QSM	Quality Systems Manual
DUSR	Data Usability Summary Report	R ²	R-squared value
EMPC	Estimated Maximum Possible Concentration	Ra-226	Radium-226
		Ra-228	Radium-228
FBK	Field Blank Contamination	RESC	Resolution Check Measure
FDP	Field Duplicate	RL	Laboratory Reporting Limit
GC	Gas Chromatograph	RPD	Relative Percent Difference
GC/MS	Gas Chromatography/Mass Spectrometry	RRF	Relative Response Factors
		RT	Retention Time
GPC	Gel Permeation Chromatography	SAP	sampling analysis plan
H ₂	Hydrogen gas	SDG	Sample Delivery Group
HCl	Hydrochloric Acid	SIM	Selected ion monitoring
ICAL	Initial Calibration	SOP	Laboratory Standard Operating Procedures
ICB	Initial Calibration Blank		
ICP/MS	Inductively Coupled Plasma/ Mass Spectrometry	SPE	Solid Phase Extraction
		SVOC	Semi-Volatile Organic Compounds
ICV	Initial Calibration Verification	TIC	Tentatively Identified Compound
ICVL	Initial Calibration Verification Low	TKN	Total Kjeldahl Nitrogen
IPA	Isopropyl Alcohol	TPH	Total Petroleum Hydrocarbon
LC	Laboratory Control	TPU	Total Propagated Uncertainty
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate	amu	atomic mass unit
		USEPA	U.S. Environmental Protection Agency
MBK	Method Blank Contamination	VOC	Volatile Organic Compounds
MDC	Minimum Detectable Concentration	WP	Work Plan
MDL	Laboratory Method Detection Limit		

6. Qualifiers

The qualifiers below are from the USEPA National Functional Guidelines and the data in the DUSR may contain these qualifiers:

- Concentration (C) Qualifiers:
 - U The compound was analyzed for but not detected. The associated value is either the compound quantitation limit if not detected by the analytical instrument or could be the reported or blank concentration if qualified by blank contamination. This can also be displayed as less than the associated compound quantitation limit (<RL or <MDL), or “ND”.
 - B The compound was found in the sample and its associated blank. Its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers:
 - E The compound was quantitated above the calibration range.
 - D The concentration is based on a diluted sample analysis.
- Validation Qualifiers:
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - J+ The result is an estimated quantity, but the result may be biased high.
 - J- The result is an estimated quantity, but the result may be biased low.
 - J/UJ as listed in exception tables J applies to detected data and UJ applies to non-detected data as reported by the laboratory.
 - UJ The compound was not detected above the reported sample quantitation limit; however, the reported limit is estimated and may or may not represent the actual limit of quantitation.
 - NJ The analysis indicated the presence of a compound for which there is presumptive evidence to make a tentative identification; the associated numerical value is an estimated concentration only.
 - R The sample results were rejected as unusable; the compound may or may not be present in the sample.
 - S Result is suspect. See DUSR for details.

References

1. New York State Department of Environmental Conservation (NYSDEC), 2022. Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances Under NYSDEC's Part 375 Remedial Programs. November 2022.

TABLE 1
SYSTEM PERFORMANCE SUMMARY
556 BALTIC STREET SITE RIR
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2305934	E1633	NA	DUP_1_02022023	L2305934-09	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.866	0.866 J	FDP
L2305934	E1633	NA	DUP_1_02022023	L2305934-09	US EPA PFAS (PFOS + PFOA)	N	Yes	1.03 J	1.03 J	FDP
L2306883	E1633	NA	DUP_1_02082023	L2306883-27	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.709	0.709 J	FDP
L2306883	E1633	NA	DUP_1_02082023	L2306883-27	US EPA PFAS (PFOS + PFOA)	N	Yes	0.961	0.961 J	FDP
L2305934	E1633	NA	HA-04 (6-8)	L2305934-02	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.569	0.569 J	FDP
L2305934	E1633	NA	HA-04 (6-8)	L2305934-02	US EPA PFAS (PFOS + PFOA)	N	Yes	0.569	0.569 J	FDP
L2306883	E1633	NA	HA-19 (10-12)	L2306883-19	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.273	0.273 J	FDP
L2306883	E1633	NA	HA-19 (10-12)	L2306883-19	US EPA PFAS (PFOS + PFOA)	N	Yes	0.398 J	0.398 J	FDP
L2306883	E1633	NA	HA-01 (10-12)	L2306883-03	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-01 (14-16)	L2306883-04	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-01 (2-4)	L2306883-01	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-01 (2-4)	L2306883-01	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-01 (6-8)	L2306883-02	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-02 (10-12)	L2306883-07	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-02 (10-12)	L2306883-07	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-02 (14-16)	L2306883-08	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-02 (14-16)	L2306883-08	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-02 (2-4)	L2306883-05	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-02 (2-4)	L2306883-05	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-02 (6-8)	L2306883-06	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-02 (6-8)	L2306883-06	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307511	E1633	NA	HA-03 (14-16)	L2307511-04	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307511	E1633	NA	HA-03 (14-16)	L2307511-04	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2305570	E1633	NA	HA-06 (6-8)	L2305570-02	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2305570	E1633	NA	HA-06 (6-8)	L2305570-02	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-07 (10-12)	L2307196-03	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-07 (10-12)	L2307196-03	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-07 (14-16)	L2307196-04	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-07 (14-16)	L2307196-04	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-07 (14-16)	L2307196-04	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-07 (2-4)	L2307196-01	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-07 (6-8)	L2307196-02	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-07 (6-8)	L2307196-02	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-09 (10-12)	L2307196-07	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-09 (10-12)	L2307196-07	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-09 (14-16)	L2307196-08	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-09 (14-16)	L2307196-08	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-09 (2-4)	L2307196-05	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-09 (2-4)	L2307196-05	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-09 (6-8)	L2307196-06	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-09 (6-8)	L2307196-06	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-10 (2-4)	L2306883-09	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-10 (2-4)	L2306883-09	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-11 (10-12)	L2307196-11	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-11 (10-12)	L2307196-11	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-11 (2-4)	L2307196-09	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-11 (2-4)	L2307196-09	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-11 (6-8)	L2307196-10	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-11 (6-8)	L2307196-10	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-12 (10-12)	L2307196-15	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-12 (10-12)	L2307196-15	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-12 (10-12)	L2307196-15	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-12 (14-16)	L2307196-16	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307196	E1633	NA	HA-12 (14-16)	L2307196-16	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2307677	E1633	NA	HA-13 (10-12)	L2307677-03	Perfluorooctane sulfonamide (PFOSA)	N	Yes	0.088 J	0.088 J	IDL
L2305570	E1633	NA	HA-16 (6-8)	L2305570-18	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2305570	E1633	NA	HA-16 (6-8)	L2305570-18	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-17 (10-12)	L2306883-15	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NetFOSAA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-17 (10-12)	L2306883-15	Perfluorooctane sulfonamide (PFOSA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-17 (10-12)	L2306883-15	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-17 (14-16)	L2306883-16	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	IDL
L2306883	E1633	NA	HA-02 (10-12)	L2306883-07	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.094 J	0.094 J	ION
L2306883	E1633	NA	HA-02 (10-12)	L2306883-07	US EPA PFAS (PFOS + PFOA)	N	Yes	0.094 J	0.094 J	ION
L2307511	E1633	NA	HA-03 (6-8)	L2307511-02	Perfluorodecanoic acid (PFDA)	N	Yes	0.079 J	0.079 J	ION
L2307196	E1633	NA	HA-12 (2-4)	L2307196-13	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.287	0.287 J	ION
L2307196	E1633	NA	HA-12 (2-4)	L2307196-13	US EPA PFAS (PFOS + PFOA)	N	Yes	0.699	0.699 J	ION
L2305570	E1633	NA	HA-14 (6-8)	L2305570-10	Perfluorohexanoic acid (PFHxA)	N	Yes	0.094 J	0.094 J	ION
L2307511	E1633	NA	HA-20 (14-16)	L2307511-08	Perfluoropentanoic acid (PFPeA)	N	Yes	0.088 J	0.088 J	ION
L2306883	E1633	NA	HA-21 (20-22)	L2306883-26	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.127 J	0.127 J	ION
L2306883	E1633	NA	HA-21 (20-22)	L2306883-26	US EPA PFAS (PFOS + PFOA)	N	Yes	0.23 J	0.23 J	ION
L2306883	E1633	NA	HA-21 (6-8)	L2306883-23	Perfluorooctanoic acid (PFOA)	N	Yes	0.099 J	0.099 J	ION
L2306883	E1633	NA	HA-21 (6-8)	L2306883-23	US EPA PFAS (PFOS + PFOA)	N	Yes	0.281 J	0.281 J	ION
L2307677	E1633	NA	HA-13 (10-12)	L2307677-03	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NetFOSAA)	N	Yes	0.176 J	0.176 J	ION, IDL
L2305934	E1633	NA	DUP_1_02022023	L2305934-09	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	DUP_1_02082023	L2306883-27	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	DUP_1_02082023	L2306883-27	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	DUP_1_02082023	L2306883-27	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	DUP_1_02082023	L2306883-27	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	DUP_1_02082023	L2306883-27	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	DUP_1_02132023	L2307677-09	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	DUP_1_02132023	L2307677-09	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	DUP_1_02132023	L2307677-09	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	DUP_1_02132023	L2307677-09	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	DUP_1_02132023	L2307677-09	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	DUP_1_02132023	L2307677-09	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.355	0.355 J	LCS
L2307677	E1633	NA	DUP_1_02132023	L2307677-09	Perfluorooctanoic acid (PFOA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	FIELD BLANK 02012023	L2305570-21	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305934	E1633	NA	FIELD BLANK 02022023	L2305934-10	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	FIELD BLANK 02082023	L2306883-28	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	FIELD BLANK 02092023	L2307196-17	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (10-12)	L2307511-03	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (10-12)	L2307511-03	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (10-12)	L2307511-03	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (10-12)	L2307511-03	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (10-12)	L2307511-03	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (10-12)	L2307511-03	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.096 J	0.096 J	LCS

TABLE 1
SYSTEM PERFORMANCE SUMMARY
556 BALTIC STREET SITE RIR
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307511	E1633	NA	HA-03 (10-12)	L2307511-03	Perfluorooctanoic acid (PFOA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (10-12)	L2307511-03	US EPA PFAS (PFOS + PFOA)	N	Yes	0.096 J	0.096 J	LCS
L2307511	E1633	NA	HA-03 (14-16)	L2307511-04	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (14-16)	L2307511-04	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (14-16)	L2307511-04	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (14-16)	L2307511-04	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (14-16)	L2307511-04	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (14-16)	L2307511-04	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.205	0.205 J	LCS
L2307511	E1633	NA	HA-03 (14-16)	L2307511-04	Perfluorooctanoic acid (PFOA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (14-16)	L2307511-04	US EPA PFAS (PFOS + PFOA)	N	Yes	0.205	0.205 J	LCS
L2307511	E1633	NA	HA-03 (2-4)	L2307511-01	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (2-4)	L2307511-01	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (2-4)	L2307511-01	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (2-4)	L2307511-01	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (2-4)	L2307511-01	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (2-4)	L2307511-01	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.851	0.851 J	LCS
L2307511	E1633	NA	HA-03 (2-4)	L2307511-01	Perfluorooctanoic acid (PFOA)	N	Yes	0.239	0.239 J	LCS
L2307511	E1633	NA	HA-03 (2-4)	L2307511-01	US EPA PFAS (PFOS + PFOA)	N	Yes	1.09	1.09 J	LCS
L2307511	E1633	NA	HA-03 (6-8)	L2307511-02	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (6-8)	L2307511-02	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (6-8)	L2307511-02	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (6-8)	L2307511-02	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (6-8)	L2307511-02	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-03 (6-8)	L2307511-02	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.96	0.96 J	LCS
L2307511	E1633	NA	HA-03 (6-8)	L2307511-02	Perfluorooctanoic acid (PFOA)	N	Yes	0.341	0.341 J	LCS
L2307511	E1633	NA	HA-03 (6-8)	L2307511-02	US EPA PFAS (PFOS + PFOA)	N	Yes	1.3	1.3 J	LCS
L2305934	E1633	NA	HA-04 (10-12)	L2305934-03	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305934	E1633	NA	HA-04 (14-16)	L2305934-04	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305934	E1633	NA	HA-04 (2-4)	L2305934-01	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305934	E1633	NA	HA-04 (6-8)	L2305934-02	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305934	E1633	NA	HA-05 (10-12)	L2305934-07	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305934	E1633	NA	HA-05 (14-16)	L2305934-08	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305934	E1633	NA	HA-05 (2-4)	L2305934-05	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305934	E1633	NA	HA-05 (6-8)	L2305934-06	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-06 (10-12)	L2305570-03	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-06 (10-12)	L2305570-03	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.255	0.255 J	LCS
L2305570	E1633	NA	HA-06 (10-12)	L2305570-03	US EPA PFAS (PFOS + PFOA)	N	Yes	0.255	0.255 J	LCS
L2305570	E1633	NA	HA-06 (14-16)	L2305570-04	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-06 (14-16)	L2305570-04	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.336	0.336 J	LCS
L2305570	E1633	NA	HA-06 (14-16)	L2305570-04	US EPA PFAS (PFOS + PFOA)	N	Yes	0.336	0.336 J	LCS
L2305570	E1633	NA	HA-06 (2-4)	L2305570-01	Perfluorononanoic acid (PFNA)	N	Yes	0.263	0.263 J	LCS
L2305570	E1633	NA	HA-06 (6-8)	L2305570-02	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-06 (6-8)	L2305570-02	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.226	0.226 J	LCS
L2305570	E1633	NA	HA-06 (6-8)	L2305570-02	US EPA PFAS (PFOS + PFOA)	N	Yes	0.226	0.226 J	LCS
L2307196	E1633	NA	HA-07 (10-12)	L2307196-03	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-07 (10-12)	L2307196-03	Perfluorohexanoic acid (PFHxA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-07 (14-16)	L2307196-04	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-07 (14-16)	L2307196-04	Perfluorohexanoic acid (PFHxA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-07 (2-4)	L2307196-01	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-07 (2-4)	L2307196-01	Perfluorohexanoic acid (PFHxA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-07 (6-8)	L2307196-02	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-07 (6-8)	L2307196-02	Perfluorohexanoic acid (PFHxA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-08 (10-12)	L2305570-07	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-08 (10-12)	L2305570-07	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.25	0.25 J	LCS
L2305570	E1633	NA	HA-08 (10-12)	L2305570-07	US EPA PFAS (PFOS + PFOA)	N	Yes	0.25	0.25 J	LCS
L2305570	E1633	NA	HA-08 (14-16)	L2305570-08	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-08 (14-16)	L2305570-08	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.095 J	0.095 J	LCS
L2305570	E1633	NA	HA-08 (14-16)	L2305570-08	US EPA PFAS (PFOS + PFOA)	N	Yes	0.095 J	0.095 J	LCS
L2305570	E1633	NA	HA-08 (2-4)	L2305570-05	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-08 (2-4)	L2305570-05	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.417	0.417 J	LCS
L2305570	E1633	NA	HA-08 (2-4)	L2305570-05	US EPA PFAS (PFOS + PFOA)	N	Yes	0.417	0.417 J	LCS
L2305570	E1633	NA	HA-08 (6-8)	L2305570-06	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-08 (6-8)	L2305570-06	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.156 J	0.156 J	LCS
L2305570	E1633	NA	HA-08 (6-8)	L2305570-06	US EPA PFAS (PFOS + PFOA)	N	Yes	0.49 J	0.49 J	LCS
L2307196	E1633	NA	HA-09 (10-12)	L2307196-07	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-09 (10-12)	L2307196-07	Perfluorohexanoic acid (PFHxA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-09 (14-16)	L2307196-08	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-09 (14-16)	L2307196-08	Perfluorohexanoic acid (PFHxA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-09 (2-4)	L2307196-05	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-09 (2-4)	L2307196-05	Perfluorohexanoic acid (PFHxA)	N	Yes	0.06 J	0.06 J	LCS
L2307196	E1633	NA	HA-09 (6-8)	L2307196-06	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-09 (6-8)	L2307196-06	Perfluorohexanoic acid (PFHxA)	N	Yes	0.053 J	0.053 J	LCS
L2306883	E1633	NA	HA-10 (10-12)	L2306883-11	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (10-12)	L2306883-11	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (10-12)	L2306883-11	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (10-12)	L2306883-11	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (10-12)	L2306883-11	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (10-12)	L2306883-11	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (10-12)	L2306883-11	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (14-16)	L2306883-12	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (14-16)	L2306883-12	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (14-16)	L2306883-12	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (14-16)	L2306883-12	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (14-16)	L2306883-12	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (14-16)	L2306883-12	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (14-16)	L2306883-12	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (6-8)	L2306883-10	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (6-8)	L2306883-10	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (6-8)	L2306883-10	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (6-8)	L2306883-10	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (6-8)	L2306883-10	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (6-8)	L2306883-10	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-10 (6-8)	L2306883-10	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-11 (10-12)	L2307196-11	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-11 (10-12)	L2307196-11	Perfluorohexanoic acid (PFHxA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-11 (14-16)	L2307196-12	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS

TABLE 1
SYSTEM PERFORMANCE SUMMARY
556 BALTIC STREET SITE RIR
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307196	E1633	NA	HA-11 (14-16)	L2307196-12	Perfluorohexanoic acid (PFHxA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-11 (2-4)	L2307196-09	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-11 (2-4)	L2307196-09	Perfluorohexanoic acid (PFHxA)	N	Yes	0.054 J	0.054 J	LCS
L2307196	E1633	NA	HA-11 (6-8)	L2307196-10	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-11 (6-8)	L2307196-10	Perfluorohexanoic acid (PFHxA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-12 (10-12)	L2307196-15	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-12 (10-12)	L2307196-15	Perfluorohexanoic acid (PFHxA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-12 (14-16)	L2307196-16	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-12 (14-16)	L2307196-16	Perfluorohexanoic acid (PFHxA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-12 (2-4)	L2307196-13	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-12 (2-4)	L2307196-13	Perfluorohexanoic acid (PFHxA)	N	Yes	0.085 J	0.085 J	LCS
L2307196	E1633	NA	HA-12 (6-8)	L2307196-14	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307196	E1633	NA	HA-12 (6-8)	L2307196-14	Perfluorohexanoic acid (PFHxA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (10-12)	L2307677-03	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (10-12)	L2307677-03	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (10-12)	L2307677-03	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (10-12)	L2307677-03	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (10-12)	L2307677-03	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.255	0.255 J	LCS
L2307677	E1633	NA	HA-13 (10-12)	L2307677-03	Perfluorooctanoic acid (PFOA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (10-12)	L2307677-03	US EPA PFAS (PFOS + PFOA)	N	Yes	0.255	0.255 J	LCS
L2307677	E1633	NA	HA-13 (14-16)	L2307677-04	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (14-16)	L2307677-04	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (14-16)	L2307677-04	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (14-16)	L2307677-04	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (14-16)	L2307677-04	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.254	0.254 J	LCS
L2307677	E1633	NA	HA-13 (14-16)	L2307677-04	Perfluorooctanoic acid (PFOA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (14-16)	L2307677-04	US EPA PFAS (PFOS + PFOA)	N	Yes	0.254	0.254 J	LCS
L2307677	E1633	NA	HA-13 (2-4)	L2307677-01	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (2-4)	L2307677-01	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (2-4)	L2307677-01	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (2-4)	L2307677-01	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (2-4)	L2307677-01	Perfluorononanoic acid (PFNA)	N	Yes	0.088 J	0.088 J	LCS
L2307677	E1633	NA	HA-13 (2-4)	L2307677-01	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.335	0.335 J	LCS
L2307677	E1633	NA	HA-13 (2-4)	L2307677-01	Perfluorooctanoic acid (PFOA)	N	Yes	0.096 J	0.096 J	LCS
L2307677	E1633	NA	HA-13 (2-4)	L2307677-01	US EPA PFAS (PFOS + PFOA)	N	Yes	0.431 J	0.431 J	LCS
L2307677	E1633	NA	HA-13 (6-8)	L2307677-02	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (6-8)	L2307677-02	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (6-8)	L2307677-02	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (6-8)	L2307677-02	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (6-8)	L2307677-02	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.125 J	0.125 J	LCS
L2307677	E1633	NA	HA-13 (6-8)	L2307677-02	Perfluorooctanoic acid (PFOA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-13 (6-8)	L2307677-02	US EPA PFAS (PFOS + PFOA)	N	Yes	0.125 J	0.125 J	LCS
L2305570	E1633	NA	HA-14 (10-12)	L2305570-11	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-14 (10-12)	L2305570-11	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.118 J	0.118 J	LCS
L2305570	E1633	NA	HA-14 (10-12)	L2305570-11	US EPA PFAS (PFOS + PFOA)	N	Yes	0.118 J	0.118 J	LCS
L2305570	E1633	NA	HA-14 (14-16)	L2305570-12	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-14 (14-16)	L2305570-12	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.236	0.236 J	LCS
L2305570	E1633	NA	HA-14 (14-16)	L2305570-12	US EPA PFAS (PFOS + PFOA)	N	Yes	0.236	0.236 J	LCS
L2305570	E1633	NA	HA-14 (2-4)	L2305570-09	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-14 (2-4)	L2305570-09	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.398	0.398 J	LCS
L2305570	E1633	NA	HA-14 (2-4)	L2305570-09	US EPA PFAS (PFOS + PFOA)	N	Yes	0.944	0.944 J	LCS
L2305570	E1633	NA	HA-14 (6-8)	L2305570-10	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-15 (10-12)	L2305570-15	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-15 (10-12)	L2305570-15	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.446	0.446 J	LCS
L2305570	E1633	NA	HA-15 (10-12)	L2305570-15	US EPA PFAS (PFOS + PFOA)	N	Yes	0.446	0.446 J	LCS
L2305570	E1633	NA	HA-15 (14-16)	L2305570-16	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-15 (14-16)	L2305570-16	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.143 J	0.143 J	LCS
L2305570	E1633	NA	HA-15 (14-16)	L2305570-16	US EPA PFAS (PFOS + PFOA)	N	Yes	0.143 J	0.143 J	LCS
L2305570	E1633	NA	HA-15 (2-4)	L2305570-13	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-15 (2-4)	L2305570-13	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.075 J	0.075 J	LCS
L2305570	E1633	NA	HA-15 (2-4)	L2305570-13	US EPA PFAS (PFOS + PFOA)	N	Yes	0.247 J	0.247 J	LCS
L2305570	E1633	NA	HA-15 (6-8)	L2305570-14	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-15 (6-8)	L2305570-14	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.315	0.315 J	LCS
L2305570	E1633	NA	HA-15 (6-8)	L2305570-14	US EPA PFAS (PFOS + PFOA)	N	Yes	0.315	0.315 J	LCS
L2305570	E1633	NA	HA-16 (10-12)	L2305570-19	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-16 (10-12)	L2305570-19	Perfluorooctanesulfonic acid (PFOS)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-16 (10-12)	L2305570-19	US EPA PFAS (PFOS + PFOA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-16 (14-16)	L2305570-20	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-16 (14-16)	L2305570-20	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.22	0.22 J	LCS
L2305570	E1633	NA	HA-16 (14-16)	L2305570-20	US EPA PFAS (PFOS + PFOA)	N	Yes	0.22	0.22 J	LCS
L2305570	E1633	NA	HA-16 (2-4)	L2305570-17	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2305570	E1633	NA	HA-16 (2-4)	L2305570-17	Perfluorooctanesulfonic acid (PFOS)	N	Yes	2.35	2.35 J	LCS
L2305570	E1633	NA	HA-16 (2-4)	L2305570-17	US EPA PFAS (PFOS + PFOA)	N	Yes	2.35	2.35 J	LCS
L2305570	E1633	NA	HA-16 (6-8)	L2305570-18	Perfluorononanoic acid (PFNA)	N	Yes	0.141 J	0.141 J	LCS
L2305570	E1633	NA	HA-16 (6-8)	L2305570-18	Perfluorooctanesulfonic acid (PFOS)	N	Yes	2.71	2.71 J	LCS
L2305570	E1633	NA	HA-16 (6-8)	L2305570-18	US EPA PFAS (PFOS + PFOA)	N	Yes	2.8 J	2.8 J	LCS
L2306883	E1633	NA	HA-17 (10-12)	L2306883-15	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (10-12)	L2306883-15	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (10-12)	L2306883-15	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (10-12)	L2306883-15	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (10-12)	L2306883-15	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (10-12)	L2306883-15	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (14-16)	L2306883-16	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (14-16)	L2306883-16	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (14-16)	L2306883-16	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (14-16)	L2306883-16	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (14-16)	L2306883-16	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (14-16)	L2306883-16	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (2-4)	L2306883-13	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (2-4)	L2306883-13	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (2-4)	L2306883-13	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (2-4)	L2306883-13	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (2-4)	L2306883-13	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (2-4)	L2306883-13	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (2-4)	L2306883-13	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (6-8)	L2306883-14	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS

TABLE 1
SYSTEM PERFORMANCE SUMMARY
556 BALTIC STREET SITE RIR
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2306883	E1633	NA	HA-17 (6-8)	L2306883-14	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (6-8)	L2306883-14	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (6-8)	L2306883-14	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (6-8)	L2306883-14	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (6-8)	L2306883-14	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-17 (6-8)	L2306883-14	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (10-12)	L2307677-07	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (10-12)	L2307677-07	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (10-12)	L2307677-07	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (10-12)	L2307677-07	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (10-12)	L2307677-07	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (10-12)	L2307677-07	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.468	0.468 J	LCS
L2307677	E1633	NA	HA-18 (10-12)	L2307677-07	Perfluorooctanoic acid (PFOA)	N	Yes	0.127 J	0.127 J	LCS
L2307677	E1633	NA	HA-18 (14-16)	L2307677-08	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (14-16)	L2307677-08	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (14-16)	L2307677-08	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (14-16)	L2307677-08	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (14-16)	L2307677-08	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.348	0.348 J	LCS
L2307677	E1633	NA	HA-18 (14-16)	L2307677-08	Perfluorooctanoic acid (PFOA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (14-16)	L2307677-08	US EPA PFAS (PFOS + PFOA)	N	Yes	0.348	0.348 J	LCS
L2307677	E1633	NA	HA-18 (2-4)	L2307677-05	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (2-4)	L2307677-05	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (2-4)	L2307677-05	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (2-4)	L2307677-05	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (2-4)	L2307677-05	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.565	0.565 J	LCS
L2307677	E1633	NA	HA-18 (2-4)	L2307677-05	Perfluorooctanoic acid (PFOA)	N	Yes	0.159 J	0.159 J	LCS
L2307677	E1633	NA	HA-18 (2-4)	L2307677-05	US EPA PFAS (PFOS + PFOA)	N	Yes	0.724 J	0.724 J	LCS
L2307677	E1633	NA	HA-18 (6-8)	L2307677-06	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (6-8)	L2307677-06	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (6-8)	L2307677-06	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (6-8)	L2307677-06	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	HA-18 (6-8)	L2307677-06	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.392	0.392 J	LCS
L2307677	E1633	NA	HA-18 (6-8)	L2307677-06	Perfluorooctanoic acid (PFOA)	N	Yes	0.22	0.22 J	LCS
L2307677	E1633	NA	HA-18 (6-8)	L2307677-06	US EPA PFAS (PFOS + PFOA)	N	Yes	0.612	0.612 J	LCS
L2306883	E1633	NA	HA-19 (10-12)	L2306883-19	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (10-12)	L2306883-19	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (10-12)	L2306883-19	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (10-12)	L2306883-19	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (10-12)	L2306883-19	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (10-12)	L2306883-19	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (10-12)	L2306883-19	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (14-16)	L2306883-20	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (14-16)	L2306883-20	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (14-16)	L2306883-20	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (14-16)	L2306883-20	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (14-16)	L2306883-20	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (14-16)	L2306883-20	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (14-16)	L2306883-20	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (2-4)	L2306883-17	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (2-4)	L2306883-17	Perfluorododecanoic acid (PFDoDA)	N	Yes	0.095 J	0.095 J	LCS
L2306883	E1633	NA	HA-19 (2-4)	L2306883-17	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (2-4)	L2306883-17	Perfluorononanoic acid (PFNA)	N	Yes	0.189 J	0.189 J	LCS
L2306883	E1633	NA	HA-19 (20-22)	L2306883-21	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (20-22)	L2306883-21	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (20-22)	L2306883-21	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (20-22)	L2306883-21	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (20-22)	L2306883-21	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (20-22)	L2306883-21	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (20-22)	L2306883-21	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (6-8)	L2306883-18	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (6-8)	L2306883-18	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (6-8)	L2306883-18	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (6-8)	L2306883-18	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (6-8)	L2306883-18	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (6-8)	L2306883-18	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-19 (6-8)	L2306883-18	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (10-12)	L2307511-07	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	0.278 J	0.278 J	LCS
L2307511	E1633	NA	HA-20 (10-12)	L2307511-07	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (10-12)	L2307511-07	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (10-12)	L2307511-07	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (10-12)	L2307511-07	Perfluorononanoic acid (PFNA)	N	Yes	0.111 J	0.111 J	LCS
L2307511	E1633	NA	HA-20 (10-12)	L2307511-07	Perfluorooctanesulfonic acid (PFOS)	N	Yes	3.31	3.31 J	LCS
L2307511	E1633	NA	HA-20 (10-12)	L2307511-07	Perfluorooctanoic acid (PFOA)	N	Yes	0.414	0.414 J	LCS
L2307511	E1633	NA	HA-20 (10-12)	L2307511-07	US EPA PFAS (PFOS + PFOA)	N	Yes	3.72	3.72 J	LCS
L2307511	E1633	NA	HA-20 (14-16)	L2307511-08	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (14-16)	L2307511-08	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (14-16)	L2307511-08	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (14-16)	L2307511-08	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (14-16)	L2307511-08	Perfluorononanoic acid (PFNA)	N	Yes	0.199	0.199 J	LCS
L2307511	E1633	NA	HA-20 (14-16)	L2307511-08	Perfluorooctanesulfonic acid (PFOS)	N	Yes	3.91	3.91 J	LCS
L2307511	E1633	NA	HA-20 (14-16)	L2307511-08	Perfluorooctanoic acid (PFOA)	N	Yes	0.255	0.255 J	LCS
L2307511	E1633	NA	HA-20 (14-16)	L2307511-08	US EPA PFAS (PFOS + PFOA)	N	Yes	4.17	4.17 J	LCS
L2307511	E1633	NA	HA-20 (2-4)	L2307511-05	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (2-4)	L2307511-05	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (2-4)	L2307511-05	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (2-4)	L2307511-05	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (2-4)	L2307511-05	Perfluorononanoic acid (PFNA)	N	Yes	0.128 J	0.128 J	LCS
L2307511	E1633	NA	HA-20 (2-4)	L2307511-05	Perfluorooctanesulfonic acid (PFOS)	N	Yes	1.88	1.88 J	LCS
L2307511	E1633	NA	HA-20 (2-4)	L2307511-05	Perfluorooctanoic acid (PFOA)	N	Yes	0.144 J	0.144 J	LCS
L2307511	E1633	NA	HA-20 (2-4)	L2307511-05	US EPA PFAS (PFOS + PFOA)	N	Yes	2.02 J	2.02 J	LCS
L2307511	E1633	NA	HA-20 (6-8)	L2307511-06	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (6-8)	L2307511-06	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (6-8)	L2307511-06	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (6-8)	L2307511-06	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (6-8)	L2307511-06	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (6-8)	L2307511-06	Perfluorooctanesulfonic acid (PFOS)	N	Yes	1.67	1.67 J	LCS

TABLE 1
SYSTEM PERFORMANCE SUMMARY
556 BALTIC STREET SITE RIR
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307511	E1633	NA	HA-20 (6-8)	L2307511-06	Perfluorooctanoic acid (PFOA)	N	Yes	U	UJ	LCS
L2307511	E1633	NA	HA-20 (6-8)	L2307511-06	US EPA PFAS (PFOS + PFOA)	N	Yes	1.67	1.67 J	LCS
L2306883	E1633	NA	HA-21 (10-12)	L2306883-24	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (10-12)	L2306883-24	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (10-12)	L2306883-24	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (10-12)	L2306883-24	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (10-12)	L2306883-24	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (10-12)	L2306883-24	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (10-12)	L2306883-24	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (14-16)	L2306883-25	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (14-16)	L2306883-25	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (14-16)	L2306883-25	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (14-16)	L2306883-25	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (14-16)	L2306883-25	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (14-16)	L2306883-25	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (14-16)	L2306883-25	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (2-4)	L2306883-22	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (2-4)	L2306883-22	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (2-4)	L2306883-22	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (2-4)	L2306883-22	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (2-4)	L2306883-22	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (2-4)	L2306883-22	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (2-4)	L2306883-22	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (20-22)	L2306883-26	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (20-22)	L2306883-26	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (20-22)	L2306883-26	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (20-22)	L2306883-26	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (20-22)	L2306883-26	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (20-22)	L2306883-26	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (20-22)	L2306883-26	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (6-8)	L2306883-23	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (6-8)	L2306883-23	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (6-8)	L2306883-23	Perfluorobutanoic acid (PFBA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (6-8)	L2306883-23	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (6-8)	L2306883-23	Perfluoroheptanesulfonic acid (PFHpS)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (6-8)	L2306883-23	Perfluorononanoic acid (PFNA)	N	Yes	U	UJ	LCS
L2306883	E1633	NA	HA-21 (6-8)	L2306883-23	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS
L2307677	E1633	NA	DUP_1_02132023	L2307677-09	US EPA PFAS (PFOS + PFOA)	N	Yes	0.355	0.355 J	LCS, FDP
L2307677	E1633	NA	HA-18 (10-12)	L2307677-07	US EPA PFAS (PFOS + PFOA)	N	Yes	0.595 J	0.595 J	LCS, FDP
L2306883	E1633	NA	HA-01 (10-12)	L2306883-03	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	LCS, IDL
L2306883	E1633	NA	HA-01 (14-16)	L2306883-04	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	LCS, IDL
L2306883	E1633	NA	HA-01 (2-4)	L2306883-01	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	LCS, IDL
L2306883	E1633	NA	HA-01 (6-8)	L2306883-02	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	LCS, IDL
L2306883	E1633	NA	HA-02 (10-12)	L2306883-07	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	LCS, IDL
L2306883	E1633	NA	HA-02 (14-16)	L2306883-08	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	LCS, IDL
L2306883	E1633	NA	HA-02 (2-4)	L2306883-05	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	LCS, IDL
L2306883	E1633	NA	HA-02 (6-8)	L2306883-06	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	LCS, IDL
L2306883	E1633	NA	HA-10 (2-4)	L2306883-09	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	LCS, IDL
L2307677	E1633	NA	HA-13 (10-12)	L2307677-03	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS, IDL
L2307677	E1633	NA	HA-13 (14-16)	L2307677-04	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS, IDL
L2307677	E1633	NA	HA-13 (6-8)	L2307677-02	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS, IDL
L2306883	E1633	NA	HA-17 (10-12)	L2306883-15	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS, IDL
L2306883	E1633	NA	HA-17 (14-16)	L2306883-16	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS, IDL
L2307677	E1633	NA	HA-18 (14-16)	L2307677-08	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS, IDL
L2307677	E1633	NA	HA-18 (2-4)	L2307677-05	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS, IDL
L2307677	E1633	NA	HA-18 (6-8)	L2307677-06	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS, IDL
L2306883	E1633	NA	HA-19 (2-4)	L2306883-17	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	LCS, IDL
L2306883	E1633	NA	HA-19 (2-4)	L2306883-17	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS, IDL
L2306883	E1633	NA	HA-19 (2-4)	L2306883-17	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	LCS, IDL
L2306883	E1633	NA	DUP_1_02082023	L2306883-27	Perfluorododecanoic acid (PFDoDA)	N	Yes	0.095 J	0.095 J	LCS, ION
L2306883	E1633	NA	DUP_1_02082023	L2306883-27	Perfluorononanoic acid (PFNA)	N	Yes	0.095 J	0.095 J	LCS, ION
L2305570	E1633	NA	HA-14 (6-8)	L2305570-10	Perfluorooctanesulfonic acid (PFOS)	N	Yes	0.11 J	0.11 J	LCS, ION
L2305570	E1633	NA	HA-14 (6-8)	L2305570-10	US EPA PFAS (PFOS + PFOA)	N	Yes	0.11 J	0.11 J	LCS, ION
L2305570	E1633	NA	HA-06 (2-4)	L2305570-01	Perfluorooctanesulfonic acid (PFOS)	N	Yes	1.82	1.82 J	LCS, MSD
L2305570	E1633	NA	HA-06 (2-4)	L2305570-01	US EPA PFAS (PFOS + PFOA)	N	Yes	2.89	2.89 J	LCS, MSD
L2307196	E1633	NA	HA-07 (10-12)	L2307196-03	Perfluorobutanoic acid (PFBA)	N	Yes	0.076 J	0.76 U	MBK
L2307196	E1633	NA	HA-07 (14-16)	L2307196-04	Perfluorobutanoic acid (PFBA)	N	Yes	0.085 J	0.71 U	MBK
L2307196	E1633	NA	HA-07 (2-4)	L2307196-01	Perfluorobutanoic acid (PFBA)	N	Yes	0.107 J	0.763 U	MBK
L2307196	E1633	NA	HA-07 (6-8)	L2307196-02	Perfluorobutanoic acid (PFBA)	N	Yes	0.094 J	0.719 U	MBK
L2307196	E1633	NA	HA-09 (10-12)	L2307196-07	Perfluorobutanoic acid (PFBA)	N	Yes	0.087 J	0.728 U	MBK
L2307196	E1633	NA	HA-09 (14-16)	L2307196-08	Perfluorobutanoic acid (PFBA)	N	Yes	0.086 J	0.777 U	MBK
L2307196	E1633	NA	HA-09 (2-4)	L2307196-05	Perfluorobutanoic acid (PFBA)	N	Yes	0.105 J	0.75 U	MBK
L2307196	E1633	NA	HA-09 (6-8)	L2307196-06	Perfluorobutanoic acid (PFBA)	N	Yes	0.105 J	0.751 U	MBK
L2307196	E1633	NA	HA-11 (10-12)	L2307196-11	Perfluorobutanoic acid (PFBA)	N	Yes	0.077 J	0.768 U	MBK
L2307196	E1633	NA	HA-11 (14-16)	L2307196-12	Perfluorobutanoic acid (PFBA)	N	Yes	0.07 J	0.772 U	MBK
L2307196	E1633	NA	HA-11 (2-4)	L2307196-09	Perfluorobutanoic acid (PFBA)	N	Yes	0.069 J	0.771 U	MBK
L2307196	E1633	NA	HA-11 (6-8)	L2307196-10	Perfluorobutanoic acid (PFBA)	N	Yes	0.06 J	0.746 U	MBK
L2307196	E1633	NA	HA-12 (10-12)	L2307196-15	Perfluorobutanoic acid (PFBA)	N	Yes	0.072 J	0.72 U	MBK
L2307196	E1633	NA	HA-12 (14-16)	L2307196-16	Perfluorobutanoic acid (PFBA)	N	Yes	0.066 J	0.731 U	MBK
L2307196	E1633	NA	HA-12 (2-4)	L2307196-13	Perfluorobutanoic acid (PFBA)	N	Yes	0.101 J	0.777 U	MBK
L2307196	E1633	NA	HA-12 (6-8)	L2307196-14	Perfluorobutanoic acid (PFBA)	N	Yes	0.069 J	0.761 U	MBK
L2307196	E1633	NA	HA-09 (2-4)	L2307196-05	Perfluorooctanoic acid (PFOA)	N	Yes	0.742	0.742 J	MSD
L2307196	E1633	NA	HA-09 (2-4)	L2307196-05	US EPA PFAS (PFOS + PFOA)	N	Yes	0.922 J	0.922 J	MSD

Notes:

FDP = Field duplicate qualifier due to an exceedance of the specified limits.

IDL = Isotope dilution outside the specified limits.

ION = Ion ratios were reviewed and were outside the limits of 50-150%; or the signal to noise ratios (S/N) were not ≥ 10 for all ions used for quantitation; or ≥ 3 for all ions used for confirmation.

LCS = Laboratory control/laboratory control spike duplicate percent recoveries or relative percent difference were outside the specified limits.

MBK = Method blank contamination.

MSD = Matrix spike/matrix spike duplicate percent recoveries or relative percent difference were outside the specified limits.

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.

U = The compound was analyzed for but not detected.

UJ = The compound was not detected above the reported sample quantitation limit; however, the reported limit is estimated and may or may not represent the actual limit of quantitation.

Data Usability Summary Report

Project Name: 556 Baltic Street Site RIR

Project Description: Groundwater Samples, non-PFAS

Sample Date(s): 9 through 16 February 2023

Analytical Laboratory: Alpha Analytical – Westborough, MA

Validation Performed by: Raul Tenorio

Validation Reviewed by: Katherine Miller

Validation Date: 13 March 2023

Haley & Aldrich, Inc. prepared this Data Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for Sample Delivery Group(s) (SDG) listed. This DUSR is organized into the following sections:

- 1. Sample Delivery Group Numbers**
 - 2. Precision and Accuracy [for SDG(s) above]**
 - 3. Explanations**
 - 4. Glossary**
 - 5. Abbreviations**
 - 6. Qualifiers**
- References**

This data validation and usability assessment was performed per the guidance and requirements established by the United States Environmental Protection Agency (USEPA) using the following reference materials:

- National Functional Guidelines (NFG) for Inorganic Data Review.
- National Functional Guidelines (NFG) for Organic Data Review.

Data reported in this sampling event were reported to the laboratory reporting limit (RL). Results found between the method detection limit (MDL) and RL are flagged J as estimated.

Sample data were qualified in accordance with the laboratory's standard operating procedures (SOP). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQOs) for the project and therefore usable; any exceptions are noted in the following pages.

1. Sample Delivery Group Numbers

1.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of SDG numbers:

- L2307194, dated 1 March 2023,
- L2307510, dated 23 February 2023, and
- L2308425, dated 8 March 2023.

Samples were also received appropriately, identified correctly, and analyzed according to the chain of custody (COC). Issues noted with sample management are listed below:

- Custody seals were not used when samples were dropped off at the laboratory or service center by the field staff, submitted to a laboratory-provided courier, or when transported between subcontracted laboratories.
- PFAS analyses listed in COC are presented in a separate DUSR.

Analyses were performed on the following samples:

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods
MW-06-20230209	N	L2307194-01	02/09/2023	WG	A, B, C, D, E, F, G
DUP-1_02092023	FD	L2307194-02	02/09/2023	WG	A, B, C, D, E, F, G
TRIP BLANK-20230209	TB	L2307194-03	02/09/2023	WQ	E
MW-08-20230210	N	L2307510-01	02/10/2023	WG	A, B, C, D, E, F, G
MW-05-20230210	N	L2307510-02	02/10/2023	WG	A, B, C, D, E, F, G
MW-04-20230210	N	L2307510-03	02/10/2023	WG	A, B, C, D, E, F, G
MW-02-20230210	N	L2307510-04	02/10/2023	WG	A, B, C, D, E, F, G
FIELD BLANK 02102023	FB	L2307510-05	02/10/2023	WQ	A, B, C, D, E, F, G
TRIP BLANK-20230210	TB	L2307510-06	02/10/2023	WQ	E
MW-1-20230216	N	L2308425-01	02/16/2023	WG	A, B, C, D, E, F, G
MW-3-20230216	N	L2308425-02	02/16/2023	WG	A, B, C, D, E, F, G
MW-7-20230216	N	L2308425-03	02/16/2023	WG	A, B, C, D, E, F, G
MW-9-20230216	N	L2308425-04	02/16/2023	WG	A, B, C, D, E, F, G
TRIP BLANK-20230216	TB	L2308425-05	02/16/2023	WQ	E

Method Holding Times			
A.	SW6020B	Metals	180 days for liquid, preserved
B.	SW7470A	Mercury (in Liquids)	28 days extraction / 48 hours analysis for liquid, preserved
C.	SW8081B	ORGANOCHLORINE PESTICIDES	7 days extraction / 40 days analysis for liquid, unpreserved
D.	SW8082A	Polychlorinated Biphenyls (PCBs)	7 days extraction / 40 days analysis for liquid, unpreserved
E.	SW8260D	Volatile Organic Compounds (VOCs)	14 days for liquid, preserved; 7 days for liquid, unpreserved
F.	SW8270E	Semivolatile Organic Compounds (SVOCs)	7 days extraction / 40 days analysis for liquid, unpreserved
G.	SW8270ESIM	Semivolatile Organic Compounds (SVOCs)	7 days extraction / 40 days analysis for liquid, unpreserved

1.2 CASE NARRATIVE

The laboratory report case narratives included the following issues:

- SDG L2307194, sample L2307194-03: The analyses of Semivolatile Organics, PCBs, Pesticides, PFAS, 1,4-Dioxane, Total Metals and Dissolved Metals were requested on the COC. However, sample containers were not received. This was verified by the client.
- SDG L2308425: March 08, 2023 - This final report includes the results of all requested analyses. The Client IDs were amended on L2308425-01 through -04.

1.3 HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified per method protocol with the following exceptions:

Method	Matrix	Holding Time	Preservation	Sample ID, Violation, Qualification
SW7470A	Water	28 days extraction; 48 hours analysis for liquid, preserved	pH < 2 with Nitric Acid (HNO ₃)	The following samples were analyzed outside the holding time and qualified J-/UJ. SDG L2307194: DUP-1_02092023 (Total), MW-06-20230209 (Total) SDG L2307510: MW-05-20230210 (Total, Dissolved), MW-08-20230210 (Total, Dissolved), FIELD BLANK 02102023 (Dissolved), MW-02-20230210 (Total, Dissolved), MW-04-20230210 (Total, Dissolved)

1.4 REPORTING LIMITS AND SAMPLE DILUTIONS

All sample dilutions were reviewed and found to be justified. Only detected analytes were reported from a sample dilution analysis.

1.5 SURROGATE RECOVERY COMPLIANCE

[Refer to section E 1.2.](#) The percent recovery (%R) for each surrogate compound added to each project sample were determined to be within the laboratory specified quality control (QC) limits, with the following exceptions:

Method	Sample ID	Lab ID	Surrogate	Dilution	%R	Qualification
SW8270ESIM	MW-06	L2307194-01	Nitrobenzene-d5	1x	132%	J+/None target compounds*
SW8270ESIM	MW-06	L2307194-01	2,4,6-Tribromophenol	1x	155%	None, samples are ND
SW8270ESIM	DUP-1_02092023	L2307194-02	Nitrobenzene-d5	1x	138%	J+/None target compounds*
SW8270ESIM	DUP-1_02092023	L2307194-02	2,4,6-Tribromophenol	1x	136%	None, samples are ND
SW8270ESIM	MW-08	L2307510-01	2,4,6-Tribromophenol	1x	140%	None, samples are ND
SW8270ESIM	MW-05	L2307510-02	Nitrobenzene-d5	1x	122%	None, samples are ND
SW8270ESIM	MW-04	L2307510-03	2,4,6-Tribromophenol	1x	146%	None, samples are ND
SW8270ESIM	MW-02	L2307510-04	Nitrobenzene-d5	1x	123%	J+/None target compounds*
SW8270ESIM	MW-02	L2307510-04	2,4,6-Tribromophenol	1x	141%	None, samples are ND
SW8270ESIM	FIELD BLANK 02102023	L2307510-05	Nitrobenzene-d5	1x	125%	None, samples are ND
SW8270ESIM	MW-03	L2308425-02	2,4,6-Tribromophenol	1x	140%	None, samples are ND
SW8270ESIM	MW-07	L2308425-03	Nitrobenzene-d5	1x	121%	None, samples are ND
SW8270ESIM	MW-09	L2308425-04	2,4,6-Tribromophenol	1x	165%	None, samples are ND

* Compounds targeted by Nitrobenzene-d5: Hexachlorobutadiene, Hexachloroethane, Naphthalene.

** Compounds targeted by 2,4,6-Tribromophenol: Pentachlorophenol.

1.6 LABORATORY CONTROL SAMPLES

[Refer to section E 1.3.](#) Compounds associated with the laboratory control samples/laboratory control sample duplicates (LCS/LCSD) analyses associated with client samples exhibited recoveries and relative percent differences (RPDs) within the specified limits with the following exceptions:

SDG #	Sample Type	Method	Batch ID	Analyte	%R/RPD	Qualifier	Affected Samples
L2307194	LCS/LCSD	SW8260D	WG1744176	Chloromethane	50%/50%	J/UJ	L2307194-01, L2307194-02, L2307194-03
L2307194	LCS/LCSD	SW8270E	WG1743671	2,4-Dinitrophenol	146%/146%	J+/None	None, samples are ND
L2307194	LCS/LCSD	SW8270E	WG1743671	Pentachlorophenol	112%/92%	J+/None	None, not in batch
L2307510	LCS/LCSD	SW8270E	WG1743846	4-Nitrophenol	86%/87%	J+/None	None, samples are ND
L2307510	LCS/LCSD	SW8270E	WG1743846	2,4-Dinitrophenol	144%/146%	J+/None	None, samples are ND
L2307510	LCS/LCSD	SW8270E	WG1743846	4,6-Dinitro-o-cresol	159%/167%	J+/None	None, samples are ND
L2307510	LCS/LCSD	SW8270E	WG1743846	Pentachlorophenol	110%/107%	J+/None	None, not in batch
L2308425	LCS/LCSD	SW8260D	WG1746317	Acetone	RPD=37	J/None	L2308425-01
L2308425	LCS/LCSD	SW8260D	WG1746317	Carbon disulfide	150%/140%	J/None	None, samples are ND
L2308425	LCS/LCSD	SW8270E	WG1746787	Carbazole	48%/56%	J-/R	None, not in batch

1.7 MATRIX SPIKE SAMPLES

[Refer to section E 1.4.](#) The sample(s) below were used for matrix spike/matrix spike duplicate (MS/MSD):

Lab Sample Number	Matrix Spike/Matrix Spike Duplicate Sample Client ID	Method(s)
L2307194-01	MW-06	SW8260D, SW8270E, SW6020B
L2308425-01	MW-01	SW6020B

The MS/MSD recoveries and the RPD between the MS and MSD results were within the specified limits with the following exceptions:

SDG	Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
L2307194	MS/MSD	SW8260D	MW-06	Bromomethane	RPD = 22	J/None	None, sample is ND
L2307194	MS/MSD	SW8260D	MW-06	Chloroethane	150%/150%	J/None	None, sample is ND
L2307194	MS/MSD	SW8260D	MW-06	trans-1,4-Dichloro-2-butene	68%/69%	J/UJ	L2307194-01
L2307194	MS/MSD	SW8270E	MW-06	3,3'-Dichlorobenzidine	24%/49%, RPD = 36	J/UJ	L2307194-01
L2307194	MS/MSD	SW8270E	MW-06	4-Nitrophenol	88%/83%	J/None	None, sample is ND
L2307194	MS/MSD	SW8270E	MW-06	2,4-Dinitrophenol	150%/140%	J/None	None, sample is ND
L2307194	MS/MSD	SW8270E	MW-06	4,6-Dinitro-o-cresol	170%/160%	J/None	None, sample is ND
L2307194	MS/MSD	SW6020B	MW-06	Calcium, Total	128%/34%	J-/UJ	None, native sample > 4x the spike added
L2307194	MS/MSD	SW6020B	MW-06	Calcium, Dissolved	79%/73%	J-/UJ	None, native sample > 4x the spike added
L2308425	MS	SW6020B	MW-01	Calcium, Total	290%	J+/None	None, native sample > 4x the spike added
L2308425	MS	SW6020B	MW-01	Potassium, Total	65%	J-/UJ	L2308425-01, -02, -03, -04
L2308425	MS	SW6020B	MW-01	Sodium, Total	50%	J-/UJ	None, native sample > 4x the spike added

1.8 BLANK SAMPLE ANALYSIS

Refer to section E 1.5. Method blank samples had no detections, indicating that no contamination from laboratory activities occurred with the following exceptions:

Blank Type	Method	Batch ID	Analyte Detected in Blank	Concentration (µg/L)	Qualifier	Affected Samples
Method Blank	SW8270ESIM	WG1743578	Acenaphthene	0.02 J	RL U	L2307194-01
	SW8270ESIM	WG1743578	Fluoranthene	0.02 J	NA	None, samples are ND
	SW8270ESIM	WG1743578	Benzo(a)anthracene	0.02 J	NA	None, samples are ND
	SW8270ESIM	WG1743578	Benzo(b)fluoranthene	0.02 J	NA	None, samples are ND
	SW8270ESIM	WG1743578	Benzo(k)fluoranthene	0.01 J	NA	None, samples are ND
	SW8270ESIM	WG1743578	Chrysene	0.02 J	NA	None, samples are ND
	SW8270ESIM	WG1743578	Acenaphthylene	0.02 J	NA	None, samples are ND
	SW8270ESIM	WG1743578	Anthracene	0.02 J	NA	None, samples are ND
	SW8270ESIM	WG1743578	Fluorene	0.03 J	NA	None, samples are ND
	SW8270ESIM	WG1743578	Phenanthrene	0.03 J	RL U	L2307194-01
	SW8270ESIM	WG1743578	Indeno(1,2,3-cd)pyrene	0.02 J	NA	None, samples are ND
	SW8270ESIM	WG1743578	Pyrene	0.02 J	NA	None, samples are ND
	SW8270ESIM	WG1743578	2-Methylnaphthalene	0.05 J	RL U	L2307194-01, -02
	SW8270ESIM	WG1743578	Hexachlorobenzene	0.02 J	NA	None, samples are ND
	SW6020B	WG1743672	Thallium, Total	0.00037 J	RL U	L2307194-01, -02
	SW6020B	WG1743674	Chromium, Dissolved	0.00083 J	NA	None, samples are ND
	SW6020B	WG1743674	Sodium, Dissolved	0.0306 J	RL U	L2307510-05
	SW6020B	WG1743674	Sodium, Dissolved	0.0306 J	J+	L2307194-01, -02, L2307510-01, -02, -03, -04, -05
	SW6020B	WG1743674	Thallium, Dissolved	0.00025 J	RL U	L2307194-01, -02, L2307510-05
	SW7470A	WG1744155	Mercury, Dissolved	0.00016 J	RL U	L2307194-01, -02
	SW8270ESIM	WG1743778	Benzo(a)anthracene	0.02 J	RL U	L2307510-01

Blank Type	Method	Batch ID	Analyte Detected in Blank	Concentration (µg/L)	Qualifier	Affected Samples
Method Blank	SW8270ESIM	WG1743778	Benzo(a)anthracene	0.02 J	J+	L2307510-02
	SW6020B	WG1743674	Thallium, Total	0.0002 J	RL U	L2307510-05
	SW7470A	WG1744158	Mercury, Total	0.0001 J	RL U	L2307510-01, -02, -03, -04
	SW8270ESIM	WG1746170	Acenaphthylene	0.04 J	NA	None, samples are ND
	SW6020B	WG1746348	Calcium, Total	0.0486 J	J+	L2308425-01, -02, -03, -04
	SW7470A	WG1746756	Mercury, Dissolved	0.00011	RL U	L2308425-01

The analysis of the blank samples for field quality control was free of target compounds, with the following exceptions:

Blank Type	Method	Date of Blank	Analyte Detected in Blank	Concentration (µg/L)	Qualifier	Affected Samples
Field Blank	SW8270ESIM	2/10/23	Benzo(a)anthracene	0.02 J	RL U	L2307510-01, -04
	SW8270ESIM	2/10/23	Benzo(a)anthracene	0.02 J	J+	L2307510-02
	SW8270ESIM	2/10/23	Benzo(b)fluoranthene	0.03 J	RL U	L2307510-04
	SW8270ESIM	2/10/23	Benzo(b)fluoranthene	0.03 J	J+	L2307510-01, -02
	SW8270ESIM	2/10/23	Benzo(ghi)perylene	0.02 J	RL U	L2307510-01, -02
	SW6020B	2/10/23	Barium, Total	0.00021 J	J+	L2307510-01, -02, -03, -04
	SW6020B	2/10/23	Calcium, Total	0.0536 J	J+	L2307510-01, -02, -03, -04
	SW6020B	2/10/23	Calcium, Dissolved	0.0551 J	J+	L2307510-01, -02, -03, -04
	SW6020B	2/10/23	Sodium, Dissolved	0.0496 J	J+	L2307510-01, -02, -03, -04
	SW6020B	2/10/23	Zinc, Dissolved	0.00374 J	RL U	L2307510-02

1.9 DUPLICATE SAMPLE ANALYSIS

[Refer to section E 1.6.](#) The following sample(s) were used for laboratory duplicate analysis and the RPDs were all below 20 percent (or the absolute difference rule was satisfied if detects were less than 5 times the RL):

Lab Sample Number	Laboratory Duplicate Sample Client ID	Method(s)
L2308425-01	MW-01	SW6020B

The following sample(s) were used for field duplicate analysis. RPDs were all below 35 percent for water (or the absolute difference rule was satisfied if detects were less than 5 times the RL). Any exceptions are noted below and qualified.

Primary Sample ID	Duplicate Sample ID	Method(s)
MW-06-20230209	DUP-1_02092023	SW6020B, SW7470A, SW8081B, SW8082A, SW8260D, SW8270E, SW8270ESIM

Field Duplicate RPD Calculations:

Method(s): SW8270ESIM				
Analyte (µg/L)	Primary Sample ID	Duplicate Sample ID	% RPD	Qualification
	MW-06-20230209	DUP-1_02092023		
Naphthalene	0.09	0.21	NA	J/UJ, Abs. Diff. > RL

1.10 CALCULATION ACCURACY

Total (non-filtered) metals were greater than dissolved (filtered) metals and total (non-filtered mercury was greater than dissolved (filtered) mercury with the following exceptions:

Sample ID	SW6020B Analyte	Dissolved (mg/L)	Total (mg/L)	%RPD
L2307194-01	Copper	0.0007 J	0.00043 J	47.8
L2307510-03	Copper	0.00145	ND	200
L2307510-05	Manganese	0.00365	ND	200
L2307194-01	Nickel	0.0007 J	ND	200
L2307510-05	Sodium	0.0496 J*	ND	200
L2307194-01	Thallium	0.00049 J*	0.00034 J*	36.1
L2307510-05	Thallium	0.00027 J*	0.00016 J*	51.2
L2307510-02	Zinc	0.00826 J*	0.00503 J	48.6
L2307510-05	Zinc	0.00374 J*	ND	200

* Qualified non-detect (ND) based on method blank contamination.

Sample ID	SW7470A Analyte	Dissolved (mg/L)	Total (mg/L)	%RPD
L2307194-01	Mercury	0.00014 J*	ND	200
L2307510-04	Mercury	0.00022 J	0.00011	66.7
L2307510-03	Mercury	0.0002	0.0001 J	66.7
L2308425-01	Mercury	0.00019 J*	ND	200

* Qualified non-detect (ND) based on method blank contamination.

1.11 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The results presented in this report were found to comply with the DQOs for the project and the guidelines specified by the analytical method. Based on the review of this report, the data are useable and acceptable as no data was rejected. A summary of qualifiers applied to this data set is shown in Table 1.

2. Precision and Accuracy [for SDG(s) above]

[Refer to section E 1.7.](#) Where required by the method, some measurement of analytical accuracy and precision was reported for each method with the site samples.

3. Explanations

The following explanations include more detailed information regarding each of the sections in the DUSR above. Not all sections in the Explanations are represented:

- E 1.2 Surrogate Recovery Compliance
 - Surrogates, also known as system monitoring compounds, are compounds added to each sample prior to sample preparation to determine the efficiency of the extraction procedure by evaluating the percent recovery (%R) of the compounds.
- E 1.3 Laboratory Control Samples
 - The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.4 Matrix Spike Samples
 - Matrix spike/matrix spike duplicate (MS/MSD) data are used to assess the precision and accuracy of the analytical method and evaluate the effects of the sample matrix on the sample preparation procedures and measurement methodologies.
 - For inorganic methods, when a matrix spike recovery falls outside of the control limits and the sample result is less than four times the spike added, a post digestion spike (PDS) is performed.
- E 1.5 Blank Sample Analysis
 - Method blanks are prepared by the analytical laboratory and analyzed concurrently with the project samples to assess possible laboratory contamination.
 - Field blanks are prepared to identify contamination that may have been introduced during field activity. Equipment blanks are prepared to identify contamination that may have been introduced while decontaminating sampling equipment. Trip blanks are prepared when volatile analysis is requested to identify contamination that may have been introduced during transport.
- E 1.6 Laboratory and Field Duplicate Sample Analysis
 - The laboratory duplicate sample analysis is used by the laboratory at the time of the analysis to demonstrate acceptable method precision. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.
 - The field duplicate sample analysis is used to assess the precision of the field sampling procedures and analytical method. The relative percent difference (RPD) or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.
- E 1.7 Precision and Accuracy
 - Precision measures the reproducibility of repetitive measurements. In a laboratory environment, this will be measured by determining the relative percent difference (RPD) found between a primary and a duplicate sample. This can be an LCS/LCSD pair, a MS/MSD pair, a laboratory duplicate performed on a site sample, or a field duplicate collected and analyzed concurrently with a site sample.

- Accuracy is a statistical measurement of the correctness of a measured value and includes components of random error (variability caused by imprecision) and systematic error. In a laboratory environment, this will be measured by determining the percent recovery (%R) of certain spiked compounds. This can be assessed using LCS, blank spike (BS), MS, and/or surrogate recoveries.

4. Glossary

Not all of the following symbols, acronyms, or qualifiers occur in this document.

- Sample Types:
 - EB Equipment Blank Sample
 - FB Field Blank Sample
 - FD Field Duplicate Sample
 - N Primary Sample
 - TB Trip Blank Sample
- Units:
 - $\mu\text{g/kg}$ microgram per kilogram
 - $\mu\text{g/L}$ microgram per liter
 - $\mu\text{g/m}^3$ microgram per cubic meter
 - mg/kg milligram per kilogram
 - mg/L milligram per liter
 - ppb v/v parts per billion volume/volume
 - pCi/L picocuries per liter
 - pg/g picograms per gram
- Matrices:
 - AA Ambient Air
 - GS Soil Gas
 - GW/WG Groundwater
 - QW Water Quality
 - IA Indoor Air
 - SE Sediment
 - SO Soil
 - WQ Water Quality control matrix
 - WS Surface Water
- Table Footnotes:
 - NA Not applicable
 - ND Non-detect
 - NR Not reported
- Common Symbols:
 - % percent
 - < less than
 - $\leq$ less than or equal to
 - > greater than
 - $\geq$ greater than or equal to
 - = equal
 - $^{\circ}\text{C}$ degrees Celsius
 - $\pm$ plus or minus
 - $\sim$ approximately
 - x times (multiplier)

5. Abbreviations

%D	Percent Difference	mg/kg	milligrams per kilogram
%R	Percent Recovery	MS/MSD	Matrix Spike/Matrix Spike Duplicate
%RSD	Percent Relative Standard Deviation	NA	not applicable
%v/v	Percent volume by volume	ND	Non-Detect
µg/L	micrograms per liter	NFG	National Functional Guidelines
2s	2 sigma	NH ₃	Ammonia
4,4-DDT	4 4-dichlorodiphenyltrichloroethane	NYSDEC	New York State Department of Environmental Conservation
Abs Diff	Absolute Difference		
amu	atomic mass unit	PAH	polycyclic aromatic hydrocarbon
BPJ	Best Professional Judgement	PCB	Polychlorinated Biphenyl
BS	Blank Spike	PDS	Post Digestion Spike
CCB	Continuing Calibration Blank	PEM	Performance Evaluation Mixture
CCV	Continuing Calibration Verification	PFAS	Per- and Polyfluoroalkyl Substances
CCVL	Continuing Calibration Verification Low	PFBA	Perfluorobutanoic Acid
		PFD	Perfluorodecalin
COC	Chain of Custody	PFOA	Perfluorooctanoic Acid
COM	Combined Isotope Calculation	PFOS	Perfluorooctane sulfonate
Cr (VI)	Hexavalent Chromium	PFPeA	Perfluoropentanoic Acid
CRI	Collision Reaction Interface	QAPP	Quality Assurance Project Plan
DoD	Department of Defense	QC	Quality Control
DQO	data quality objective	QSM	Quality Systems Manual
DUSR	Data Usability Summary Report	R ²	R-squared value
EMPC	Estimated Maximum Possible Concentration	Ra-226	Radium-226
		Ra-228	Radium-228
FBK	Field Blank Contamination	RESC	Resolution Check Measure
FDP	Field Duplicate	RL	Laboratory Reporting Limit
GC	Gas Chromatograph	RPD	Relative Percent Difference
GC/MS	Gas Chromatography/Mass Spectrometry	RRF	Relative Response Factors
		RT	Retention Time
GPC	Gel Permeation Chromatography	SAP	sampling analysis plan
H ₂	Hydrogen gas	SDG	Sample Delivery Group
HCl	Hydrochloric Acid	SIM	Selected ion monitoring
ICAL	Initial Calibration	SOP	Laboratory Standard Operating Procedures
ICB	Initial Calibration Blank		
ICP/MS	Inductively Coupled Plasma/ Mass Spectrometry	SPE	Solid Phase Extraction
		SVOC	Semi-Volatile Organic Compounds
ICV	Initial Calibration Verification	TIC	Tentatively Identified Compound
ICVL	Initial Calibration Verification Low	TKN	Total Kjeldahl Nitrogen
IPA	Isopropyl Alcohol	TPH	Total Petroleum Hydrocarbon
LC	Laboratory Control	TPU	Total Propagated Uncertainty
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate	amu	atomic mass unit
		USEPA	U.S. Environmental Protection Agency
MBK	Method Blank Contamination	VOC	Volatile Organic Compounds
MDC	Minimum Detectable Concentration	WP	Work Plan
MDL	Laboratory Method Detection Limit		

6. Qualifiers

The qualifiers below are from the USEPA National Functional Guidelines and the data in the DUSR may contain these qualifiers:

- Concentration (C) Qualifiers:
 - U The compound was analyzed for but not detected. The associated value is either the compound quantitation limit if not detected by the analytical instrument or could be the reported or blank concentration if qualified by blank contamination. This can also be displayed as less than the associated compound quantitation limit (<RL or <MDL), or “ND”.
 - B The compound was found in the sample and its associated blank. Its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers:
 - E The compound was quantitated above the calibration range.
 - D The concentration is based on a diluted sample analysis.
- Validation Qualifiers:
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - J+ The result is an estimated quantity, but the result may be biased high.
 - J- The result is an estimated quantity, but the result may be biased low.
 - J/UJ as listed in exception tables J applies to detected data and UJ applies to non-detected data as reported by the laboratory.
 - UJ The compound was not detected above the reported sample quantitation limit; however, the reported limit is estimated and may or may not represent the actual limit of quantitation.
 - NJ The analysis indicated the presence of a compound for which there is presumptive evidence to make a tentative identification; the associated numerical value is an estimated concentration only.
 - R The sample results were rejected as unusable; the compound may or may not be present in the sample.
 - S Result is suspect. See DUSR for details.

References

1. United States Environmental Protection Agency (USEPA), 2020a. National Functional Guidelines for Inorganic Superfund Methods Data Review. EPA-542-R-20-006. November 2020.
2. USEPA, 2020b. National Functional Guidelines for Organic Superfund Methods Data Review. EPA-540-R-20-005. November 2020.

TABLE 1
SYSTEM PERFORMANCE SUMMARY
556 BALTIC STREET SITE RIR
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307510	SW6020B	NA	MW-05-20230210	L2307510-02	Barium	T	Yes	0.09646	0.09646 J+	FBK
L2307510	SW6020B	NA	MW-08-20230210	L2307510-01	Barium	T	Yes	0.0927	0.0927 J+	FBK
L2307510	SW6020B	NA	MW-02-20230210	L2307510-04	Barium	T	Yes	0.1352	0.1352 J+	FBK
L2307510	SW6020B	NA	MW-04-20230210	L2307510-03	Barium	T	Yes	0.2741	0.2741 J+	FBK
L2307510	SW6020B	NA	MW-05-20230210	L2307510-02	Calcium	D	Yes	90.7	90.7 J+	FBK
L2307510	SW6020B	NA	MW-08-20230210	L2307510-01	Calcium	D	Yes	43.8	43.8 J+	FBK
L2307510	SW6020B	NA	MW-02-20230210	L2307510-04	Calcium	D	Yes	100	100 J+	FBK
L2307510	SW6020B	NA	MW-04-20230210	L2307510-03	Calcium	D	Yes	120	120 J+	FBK
L2307510	SW6020B	NA	MW-05-20230210	L2307510-02	Calcium	T	Yes	86.6	86.6 J+	FBK
L2307510	SW6020B	NA	MW-08-20230210	L2307510-01	Calcium	T	Yes	48	48 J+	FBK
L2307510	SW6020B	NA	MW-02-20230210	L2307510-04	Calcium	T	Yes	103	103 J+	FBK
L2307510	SW6020B	NA	MW-04-20230210	L2307510-03	Calcium	T	Yes	122	122 J+	FBK
L2307510	SW8270ESIM	NA	MW-08-20230210	L2307510-01	Benzo(g,h,i)perylene	N	Yes	0.05 J	0.1 U	FBK
L2307510	SW8270ESIM	NA	MW-08-20230210	L2307510-01	Benzo(b)fluoranthene	N	Yes	0.1	0.1 J+	FBK
L2307510	SW8270ESIM	NA	MW-08-20230210	L2307510-01	Benzo(a)anthracene	N	Yes	0.08 J	0.1 U	FBK
L2307510	SW8270ESIM	NA	MW-02-20230210	L2307510-04	Benzo(a)anthracene	N	Yes	0.02 J	0.1 U	FBK
L2307510	SW8270ESIM	NA	MW-02-20230210	L2307510-04	Benzo(b)fluoranthene	N	Yes	0.02 J	0.1 U	FBK
L2307510	SW6020B	NA	MW-05-20230210	L2307510-02	Zinc	D	Yes	0.00826 J	0.01 U	FBK
L2307510	SW8270ESIM	NA	MW-05-20230210	L2307510-02	Benzo(a)anthracene	N	Yes	0.14	0.14 J+	FBK
L2307510	SW8270ESIM	NA	MW-05-20230210	L2307510-02	Benzo(b)fluoranthene	N	Yes	0.16	0.16 J+	FBK
L2307510	SW8270ESIM	NA	MW-05-20230210	L2307510-02	Benzo(g,h,i)perylene	N	Yes	0.07 J	0.1 U	FBK
L2307194	SW7470A	NA	DUP-1_02092023	L2307194-02	Mercury	T	Yes	0.00019 J	0.00019 J-	HTQ
L2307194	SW7470A	NA	MW-06-20230209	L2307194-01	Mercury	T	Yes	U	UJ	HTQ
L2307510	SW7470A	NA	MW-05-20230210	L2307510-02	Mercury	D	Yes	0.00017 J	0.00017 J-	HTQ
L2307510	SW7470A	NA	MW-08-20230210	L2307510-01	Mercury	D	Yes	U	UJ	HTQ
L2307510	SW7470A	NA	FIELD BLANK 02102023	L2307510-05	Mercury	D	Yes	U	UJ	HTQ
L2307510	SW7470A	NA	MW-02-20230210	L2307510-04	Mercury	D	Yes	0.00022	0.00022 J-	HTQ
L2307510	SW7470A	NA	MW-04-20230210	L2307510-03	Mercury	D	Yes	0.0002	0.0002 J-	HTQ
L2307510	SW7470A	NA	MW-05-20230210	L2307510-02	Mercury	T	Yes	0.00014 J	0.0002 UJ	HTQ,MBK
L2307510	SW7470A	NA	MW-08-20230210	L2307510-01	Mercury	T	Yes	0.00013 J	0.0002 UJ	HTQ,MBK
L2307510	SW7470A	NA	MW-02-20230210	L2307510-04	Mercury	T	Yes	0.00011 J	0.0002 UJ	HTQ,MBK
L2307510	SW7470A	NA	MW-04-20230210	L2307510-03	Mercury	T	Yes	0.0001	0.0002 UJ	HTQ,MBK
L2307194	SW8260D	NA	DUP-1_02092023	L2307194-02	Chloromethane (Methyl Chloride)	N	Yes	U	UJ	LCS
L2307194	SW8260D	NA	MW-06-20230209	L2307194-01	Chloromethane (Methyl Chloride)	N	Yes	U	UJ	LCS
L2307194	SW8260D	NA	TRIP BLANK-20230209	L2307194-03	Chloromethane (Methyl Chloride)	N	Yes	U	UJ	LCS
L2308425	SW8260D	NA	MW-01-20230216	L2308425-01	Acetone	N	Yes	1.6 J	1.6 J	LCS
L2307194	SW7470A	NA	DUP-1_02092023	L2307194-02	Mercury	D	Yes	0.00018 J	0.0002 U	MBK
L2307194	SW8270ESIM	NA	DUP-1_02092023	L2307194-02	2-Methylnaphthalene	N	Yes	0.05 J	0.1 U	MBK
L2307194	SW7470A	NA	MW-06-20230209	L2307194-01	Mercury	D	Yes	0.00014 J	0.0002 U	MBK
L2307194	SW8270ESIM	NA	MW-06-20230209	L2307194-01	Acenaphthene	N	Yes	0.03 J	0.1 U	MBK
L2307194	SW8270ESIM	NA	MW-06-20230209	L2307194-01	Phenanthrene	N	Yes	0.03 J	0.1 U	MBK
L2307194	SW8270ESIM	NA	MW-06-20230209	L2307194-01	2-Methylnaphthalene	N	Yes	0.04 J	0.1 U	MBK
L2307510	SW8270ESIM	NA	MW-08-20230210	L2307510-01	Benzo(a)pyrene	N	Yes	0.06 J	0.1 U	MBK
L2307194	SW6020B	NA	DUP-1_02092023	L2307194-02	Sodium	D	Yes	10.7	10.7 J+	MBK
L2307194	SW6020B	NA	MW-06-20230209	L2307194-01	Sodium	D	Yes	10.6	10.6 J+	MBK
L2307510	SW6020B	NA	FIELD BLANK 02102023	L2307510-05	Sodium	D	Yes	0.0496 J	0.1 U	MBK
L2307194	SW6020B	NA	DUP-1_02092023	L2307194-02	Thallium	D	Yes	0.00019 J	0.002 U	MBK
L2307194	SW6020B	NA	MW-06-20230209	L2307194-01	Thallium	D	Yes	0.00049 J	0.002 U	MBK
L2307510	SW6020B	NA	FIELD BLANK 02102023	L2307510-05	Thallium	D	Yes	0.00027 J	0.002 U	MBK
L2307194	SW6020B	NA	DUP-1_02092023	L2307194-02	Thallium	T	Yes	0.00019 J	0.002 U	MBK
L2307194	SW6020B	NA	MW-06-20230209	L2307194-01	Thallium	T	Yes	0.00034 J	0.002 U	MBK
L2307510	SW6020B	NA	FIELD BLANK 02102023	L2307510-05	Thallium	T	Yes	0.00016 J	0.001 U	MBK
L2307510	SW8270ESIM	NA	MW-05-20230210	L2307510-02	Benzo(a)pyrene	N	Yes	0.12	0.12 J+	MBK
L2308425	SW7470A	NA	MW-01-20230216	L2308425-01	Mercury	D	Yes	0.00019 J	0.0002 U	MBK
L2308425	SW6020B	NA	MW-01-20230216	L2308425-01	Calcium	T	Yes	152	152 J+	MBK
L2308425	SW6020B	NA	MW-03-20230216	L2308425-02	Calcium	T	Yes	133	133 J+	MBK
L2308425	SW6020B	NA	MW-07-20230216	L2308425-03	Calcium	T	Yes	65.3	65.3 J+	MBK
L2308425	SW6020B	NA	MW-09-20230216	L2308425-04	Calcium	T	Yes	47.8	47.8 J+	MBK
L2307510	SW6020B	NA	MW-05-20230210	L2307510-02	Sodium	D	Yes	84.4	84.4 J+	MBK,FBK
L2307510	SW6020B	NA	MW-08-20230210	L2307510-01	Sodium	D	Yes	20.5	20.5 J+	MBK,FBK
L2307510	SW6020B	NA	MW-02-20230210	L2307510-04	Sodium	D	Yes	80.9	80.9 J+	MBK,FBK
L2307510	SW6020B	NA	MW-04-20230210	L2307510-03	Sodium	D	Yes	86.7	86.7 J+	MBK,FBK
L2307194	SW8260D	NA	MW-06-20230209	L2307194-01	trans-1,4-Dichloro-2-butene	N	Yes	U	UJ	MSD
L2307194	SW8270E	NA	MW-06-20230209	L2307194-01	3,3'-Dichlorobenzidine	N	Yes	U	UJ	MSD
L2308425	SW6020B	NA	MW-01-20230216	L2308425-01	Potassium	T	Yes	31.3	31.3 J-	MSD
L2308425	SW6020B	NA	MW-03-20230216	L2308425-02	Potassium	T	Yes	14.6	14.6 J-	MSD
L2308425	SW6020B	NA	MW-07-20230216	L2308425-03	Potassium	T	Yes	7.85	7.85 J-	MSD
L2308425	SW6020B	NA	MW-09-20230216	L2308425-04	Potassium	T	Yes	8.76	8.76 J-	MSD
L2307510	SW8270ESIM	NA	MW-02-20230210	L2307510-04	Naphthalene	N	Yes	9.4	9.4 J+	SUR
L2307194	SW8270ESIM	NA	DUP-1_02092023	L2307194-02	Naphthalene	N	Yes	0.21	0.21 J+	SUR,FDP
L2307194	SW8270ESIM	NA	MW-06-20230209	L2307194-01	Naphthalene	N	Yes	0.09 J	0.09 J+	SUR,FDP

Notes:

FBK = Field blank contamination.

FDP = Field duplicate qualifier due to an exceedance of the specified limits.

HTQ = holding time exceedance.

LCS = Laboratory control/laboratory control spike duplicate percent recoveries or relative percent difference were outside the specified limits.

MBK = Method blank contamination.

MSD = Matrix Spike/Matrix Spike Duplicate percent recoveries or relative percent difference were outside acceptance limits.

SUR = Surrogate percent recovery outside the specified limits.

D = Dissolved (filtered)

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.

J- = The result is an estimated quantity, but the result may be biased low.

J+ = The result is an estimated quantity, but the result may be biased high.

N = No filtering for analyte.

R = The sample results were rejected as unusable; the compound may or may not be present in the sample.

T = Total (non-filtered)

U = The compound was analyzed for but not detected.

Data Usability Summary Report

Project Name: 556 Baltic Street Site RIR

Project Description: Groundwater Samples, PFAS

Sample Date(s): 9 through 16 February 2023

Analytical Laboratory: Alpha Analytical – Westborough, MA

Validation Performed by: Raul Tenorio

Validation Reviewed by: Katherine Miller

Validation Date: 17 March 2023

Haley & Aldrich, Inc. prepared this Data Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for Sample Delivery Group(s) (SDG) listed. This DUSR is organized into the following sections:

- 1. Sample Delivery Group Numbers**
 - 2. Precision and Accuracy [for SDG(s) above]**
 - 3. Explanations**
 - 4. Glossary**
 - 5. Abbreviations**
 - 6. Qualifiers**
- References**

This data validation and usability assessment was performed per the guidance and requirements established by the United States Environmental Protection Agency (USEPA) using the following reference materials:

- Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under New York State Department of Environmental Conservation's (NYSDEC's) Part 375 Remedial Programs.

Data reported in this sampling event were reported to the laboratory reporting limit (RL). Results found between the method detection limit (MDL) and RL are flagged J as estimated.

Sample data were qualified in accordance with the laboratory's standard operating procedures (SOP). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQO) for the project and therefore usable; any exceptions are noted in the following pages.

1. Sample Delivery Group Numbers

1.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of SDG numbers:

- L2307194, dated 1 March 2023,
- L2307510, dated 9 March 2023, and
- L2308425, dated 8 March 2023.

Samples were also received appropriately, identified correctly, and analyzed according to the chain of custody (COC). Issues noted with sample management are listed below:

- Custody seals were not used when samples were dropped off at the laboratory or service center by the field staff, submitted to a laboratory-provided courier, or when transported between subcontracted laboratories.
- This report contains of validation for groundwater samples by PFAS analysis only.

Analyses were performed on the following samples:

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods
MW-06-20230209	N	L2307194-01	02/09/2023	WG	A
DUP-1_02092023	FD	L2307194-02	02/09/2023	WG	A
MW-08-20230210	N	L2307510-01	02/10/2023	WG	A
MW-05-20230210	N	L2307510-02	02/10/2023	WG	A
MW-04-20230210	N	L2307510-03	02/10/2023	WG	A
MW-02-20230210	N	L2307510-04	02/10/2023	WG	A
FIELD BLANK 02102023	FB	L2307510-05	02/10/2023	WQ	A
MW-1-20230216	N	L2308425-01	02/16/2023	WG	A
MW-3-20230216	N	L2308425-02	02/16/2023	WG	A
MW-7-20230216	N	L2308425-03	02/16/2023	WG	A
MW-9-20230216	N	L2308425-04	02/16/2023	WG	A

Method Holding Times			
A.	E1633	EPA draft method 1633 – PFAS	28 days extraction/28 days analysis for liquid, preserved

**Holding time specified by NYSDEC Guidance.*

1.2 CASE NARRATIVE

The laboratory report case narratives included the following issues:

- SDG L2307194, sample L2307194-03: The analyses of semivolatile organics, polychlorinated biphenyls, pesticides, PFAS, 1,4-Dioxane, total metals and dissolved metals were requested on the COC. However, sample containers were not received. This was a trip blank and these analyses were removed by the client.

- SDG L2308425: March 08, 2023 - This final report includes the results of all requested analyses. The Client IDs were amended on L2308425-01 through -04.

1.3 HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified per method protocol.

1.4 REPORTING LIMITS AND SAMPLE DILUTIONS

The RLs for the samples within this SDG met or were below the minimum RL requirements specified by the project specific quality assurance project plan with the following exceptions:

- SDG L2307194: Perfluorobutanoic acid (PFBA), perfluoropentanoic acid (PFPeA), 6:2 fluorotelomer sulfonate (FTS), 8:2 FTS reporting limits were slightly above 2 nanograms per liter ([ng/L], 3.02 to 6.15 ng/L). No qualification necessary.
- SDG L2307510: PFBA, PFPeA, 6:2 FTS, 8:2 FTS reporting limits were slightly above 2 ng/L (2.88 to 5.92 ng/L). No qualification necessary.
- SDG L2308425: PFBA, PFPeA, 6:2 FTS, 8:2 FTS reporting limits were slightly above 2 ng/L (2.91 to 5.98 ng/L). No qualification necessary.

No sample dilutions were performed for the analysis of the samples in this report.

1.5 LABORATORY CONTROL SAMPLES

[Refer to section E 1.3.](#) Compounds associated with the laboratory control samples (LCS) analyses associated with client samples exhibited recoveries within the specified limits with the following exceptions:

SDG #	Sample Type	Method	Analyte	%R	Qualifier	Affected Samples
L2307194	LCS	E1633	PFNA	145%	J/UJ	L2307194-01, -02
L2307510	LCS	E1633	PFHxA	132%	J/UJ	L2307510-01, -02, -03, -04, -05
L2307510	LCS	E1633	PFOSA	138%	J/UJ	L2307510-01, -02, -03, -04, -05
L2308425	LCS	E1633	NMeFOSAA	136%	J/UJ	L2308425-01, -02, -03, -04
L2308425	LCS	E1633	PFDaA	133%	J/UJ	L2308425-01, -02, -03, -04
L2308425	LCS	E1633	PFTTrDA	134%	J/UJ	L2308425-01, -02, -03, -04

1.6 MATRIX SPIKE SAMPLES

[Refer to section E 1.4.](#) The sample(s) below were used for matrix spike/matrix spike duplicate (MS/MSD):

Lab Sample Number	Matrix Spike/Matrix Spike Duplicate Sample Client ID	Method(s)
L2307194-01	MW-06	E1633

The MS/MSD recoveries and the relative percent difference (RPD) between the MS and MSD results were within the specified limits with the following exceptions:

- The MS/MSD (WG1745584-04R/-05R) recoveries, performed on L2307194-01, are outside the acceptance criteria for perfluorooctanesulfonic acid ([PFOS], 4%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS/MSD	E1633	L2307194-01	PFOS	4%/0%	J/UJ	L2307194-01

1.7 BLANK SAMPLE ANALYSIS

[Refer to section E 1.5.](#) Method blank samples had no detections, indicating that no contamination from laboratory activities occurred.

The analysis of the blank samples for field quality control was free of target compounds.

1.8 DUPLICATE SAMPLE ANALYSIS

[Refer to section E 1.6.](#) No client samples were used for laboratory duplicate analysis.

The following sample(s) were used for field duplicate analysis. RPDs were all below 30 percent for water (or the absolute difference rule was satisfied if detects were less than 5 times the RL).

Primary Sample ID	Duplicate Sample ID	Method(s)
MW-06	DUP-1_02092023	E1633

1.9 PFAS SAMPLE PREPARATION

[Refer to section E 1.14.](#) The laboratory's SOP was reviewed and the reviewer confirmed it is the laboratory's procedure to use solid phase extraction (SPE) for sample preparation. The entire sample plus sample bottle rinsate was extracted. No data qualification required.

1.10 PFAS IDENTIFICATION

[Refer to section E 1.15.](#) Ion ratios were reviewed and were within the laboratory specified limits with the following exceptions:

Sample ID	Analyte	Qualifier	Affected Samples
L2307194-01	PFPeA	J	L2307194-01
L2307194-01	PFBS	J	L2307194-01
L2307194-02	PFPeA	J	L2307194-02
L2307194-02	PFBS	J	L2307194-02

The laboratory's SOP was reviewed and the reviewer confirmed that, when applicable, the laboratory's procedure is to sum the branched and linear peaks.

1.11 EXTRACTION INTERNAL STANDARDS

[Refer to section E 1.16.](#) Recoveries were reviewed and found to be within the limits of 50 to 150 percent of the initial calibration (ICAL) midpoint standard/ initial continuing calibration verification (CCV), with the following exceptions:

Sample ID	Lab ID or Batch ID	Standard Name	%Recovery	Qualifier	Affected Samples
MW-08	L2307510-01	13C2-8:2FTS	162%	"J/UJ" 8:2 FTS	L2307510-01
MW-08	L2307510-01	13C2-PFTeDA	48%	"J/UJ" PFTeDA	L2307510-01
MW-04	L2307510-03	13C8-PFOSA	43%	"J/UJ" PFOSA	L2307510-03
MW-02	L2307510-04	13C2-8:2FTS	164%	"J/UJ" 8:2 FTS	L2307510-04
MW-02	L2307510-04	13C2-PFTeDA	46%	"J/UJ" PFTeDA	L2307510-04
MW-01	L2308425-01	D3-NMeFOSAA	40%	"J/UJ" NMeFOSAA	L2308425-01
MW-01	L2308425-01	13C8-PFOSA	47%	"J/UJ" PFOSA	L2308425-01
MW-01	L2308425-01	D5-NEtFOSAA	48%	"J/UJ" NEtFOSAA	L2308425-01
MW-01	L2308425-01	13C2-PFTeDA	48%	"J/UJ" PFTeDA	L2308425-01
MW-03	L2308425-02	13C6-PFDA	49%	"J/UJ" PFDA	L2308425-02
MW-03	L2308425-02	D3-NMeFOSAA	40%	"J/UJ" NMeFOSAA	L2308425-02
MW-03	L2308425-02	13C7-PFUnA	47%	"J/UJ" PFUnDA	L2308425-02
MW-03	L2308425-02	13C8-PFOSA	44%	"J/UJ" PFOSA	L2308425-02
MW-03	L2308425-02	D5-NEtFOSAA	46%	"J/UJ" NEtFOSAA	L2308425-02
MW-03	L2308425-02	13C2-PFDoA	40%	"J/UJ" PFDoA & PFTrDA	L2308425-02
MW-03	L2308425-02	13C2-PFTeDA	47%	"J/UJ" PFTeDA	L2308425-02
MW-07	L2308425-03	D3-NMeFOSAA	45%	"J/UJ" NMeFOSAA	L2308425-03

Sample ID	Lab ID or Batch ID	Standard Name	%Recovery	Qualifier	Affected Samples
MW-09	L2308425-04	D3-NMeFOSAA	46%	"J/UJ" NMeFOSAA	L2308425-04
MW-09	L2308425-04	13C8-PFOSA	48%	"J/UJ" PFOSA	L2308425-04

1.12 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The results presented in this report were found to comply with the DQOs for the project and the guidelines specified by the analytical method. Based on the review of this report, the data are useable and acceptable as no data was rejected. A summary of qualifiers applied to this data set is shown in Table 1.

2. Precision and Accuracy [for SDG(s) above]

[Refer to section E 1.7.](#) Where required by the method, some measurement of analytical accuracy and precision was reported for each method with the site samples.

3. Explanations

The following explanations include more detailed information regarding each of the sections in the DUSR above. Not all sections in the Explanations are represented:

- E 1.3 Laboratory Control Samples
 - The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.4 Matrix Spike Samples
 - Matrix spike/matrix spike duplicate (MS/MSD) data are used to assess the precision and accuracy of the analytical method and evaluate the effects of the sample matrix on the sample preparation procedures and measurement methodologies.
 - For inorganic methods, when a matrix spike recovery falls outside of the control limits and the sample result is less than four times the spike added, a post digestion spike (PDS) is performed.
- E 1.5 Blank Sample Analysis
 - Method blanks are prepared by the analytical laboratory and analyzed concurrently with the project samples to assess possible laboratory contamination.
 - Analysis of PFAS compliant with QSM 5.3 Table B-15 requires instrument blanks that are prepared by the analytical laboratory and analyzed concurrently with the project samples to assess contamination that could occur in the LC/MS/MS instrument.
 - Field blanks are prepared to identify contamination that may have been introduced during field activity. Equipment blanks are prepared to identify contamination that may have been introduced while decontaminating sampling equipment. Trip blanks are prepared when volatile analysis is requested to identify contamination that may have been introduced during transport.
- E 1.6 Laboratory and Field Duplicate Sample Analysis
 - The laboratory duplicate sample analysis is used by the laboratory at the time of the analysis to demonstrate acceptable method precision. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.
 - The field duplicate sample analysis is used to assess the precision of the field sampling procedures and analytical method. The relative percent difference (RPD) or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.
- E 1.7 Precision and Accuracy
 - Precision measures the reproducibility of repetitive measurements. In a laboratory environment, this will be measured by determining the relative percent difference (RPD) found between a primary and a duplicate sample. This can be an LCS/LCSD pair, a MS/MSD pair, a laboratory duplicate performed on a site sample, or a field duplicate collected and analyzed concurrently with a site sample.

- Accuracy is a statistical measurement of the correctness of a measured value and includes components of random error (variability caused by imprecision) and systematic error. In a laboratory environment, this will be measured by determining the percent recovery (%R) of certain spiked compounds. This can be assessed using LCS, blank spike (BS), MS, and/or surrogate recoveries.
- E 1.14 PFAS Sample Preparation
 - Analysis of PFAS requires specific sample preparation. Aqueous samples must be prepared using Solid Phase Extraction (SPE), unless samples are known to contain high PFAS concentrations or the samples are injected directly into the LC/MS/MS instrument. Samples with greater than 1 percent solids may require centrifugation prior to SPE. The entire sample plus bottle rinsate must be extracted using SPE. If high PFAS concentrations are known, the samples may alternately be prepared using serial dilution performed in duplicate. If prepared by serial dilution, there must be documented project approval for this deviation.
- E 1.15 PFAS Identification
 - Identification of PFAS requires dual confirmation. The chemical derivation of the ion transitions must be documented. A minimum of two ion transitions per analyte are required (except for PFBA and PFPeA). Ratios of the quantitation ion to the confirmation ion should be calculated for samples and be within 50 to 150 percent of the ratios of the quantitation ion to the confirmation ion for standards.
 - Identification of PFAS also requires the proper assessment of branched and linear peaks. Standards for both isomers are not currently available for every PFAS compound, resulting in the common error of quantifying the area of only the branched or the linear isomers, which results in erroneous concentrations.
- E 1.16 Extraction Internal Standards
 - Analysis of PFAS by isotope dilution includes the use of extracted internal standards, which are stable isotope analogs of the PFAS compounds of interest added to each sample prior to extraction of the sample matrix. Matrix interferences that affect the quantification of the internal standard will affect the calculated target compound concentrations.

4. Glossary

Not all of the following symbols, acronyms, or qualifiers occur in this document.

- Sample Types:
 - EB Equipment Blank Sample
 - FB Field Blank Sample
 - FD Field Duplicate Sample
 - N Primary Sample
 - TB Trip Blank Sample
- Units:
 - $\mu\text{g/kg}$ microgram per kilogram
 - $\mu\text{g/L}$ microgram per liter
 - $\mu\text{g/m}^3$ microgram per cubic meter
 - mg/kg milligram per kilogram
 - mg/L milligram per liter
 - ppb v/v parts per billion volume/volume
 - pCi/L picocuries per liter
 - pg/g picograms per gram
- Matrices:
 - AA Ambient Air
 - GS Soil Gas
 - GW/WG Groundwater
 - QW Water Quality
 - IA Indoor Air
 - SE Sediment
 - SO Soil
 - SSV Sub-slab Vapor
 - WQ Water Quality control matrix
 - WS Surface Water
- Table Footnotes:
 - NA Not applicable
 - ND Non-detect
 - NR Not reported
- Common Symbols:
 - % percent
 - < less than
 - $\leq$ less than or equal to
 - > greater than
 - $\geq$ greater than or equal to
 - = equal
 - $^{\circ}\text{C}$ degrees Celsius
 - $\pm$ plus or minus
 - $\sim$ approximately
 - x times (multiplier)

5. Abbreviations

%D	Percent Difference	mg/kg	milligrams per kilogram
%R	Percent Recovery	MS/MSD	Matrix Spike/Matrix Spike Duplicate
%RSD	Percent Relative Standard Deviation	NA	not applicable
%v/v	Percent volume by volume	ND	Non-Detect
µg/L	micrograms per liter	NFG	National Functional Guidelines
2s	2 sigma	ng/L	nanograms per liter
4,4-DDT	4 4-dichlorodiphenyltrichloroethane	NH ₃	Ammonia
Abs Diff	Absolute Difference	NYSDEC	New York State Department of Environmental Conservation
amu	atomic mass unit		
BPJ	Best Professional Judgement	PAH	polycyclic aromatic hydrocarbon
BS	Blank Spike	PCB	Polychlorinated Biphenyl
CCB	Continuing Calibration Blank	PDS	Post Digestion Spike
CCV	Continuing Calibration Verification	PEM	Performance Evaluation Mixture
CCVL	Continuing Calibration Verification Low	PFAS	Per- and Polyfluoroalkyl Substances
		PFBA	Perfluorbutanoic Acid
COC	Chain of Custody	PFD	Perfluorodecalin
COM	Combined Isotope Calculation	PFOA	Perfluorooctanoic Acid
Cr (VI)	Hexavalent Chromium	PFOS	Perfluorooctane sulfonate
CRI	Collision Reaction Interface	PFPeA	Perfluoropentanoic Acid
DoD	Department of Defense	QAPP	Quality Assurance Project Plan
DQO	data quality objective	QC	Quality Control
DUSR	Data Usability Summary Report	QSM	Quality Systems Manual
EMPC	Estimated Maximum Possible Concentration	R ²	R-squared value
		Ra-226	Radium-226
FBK	Field Blank Contamination	Ra-228	Radium-228
FDP	Field Duplicate	RESC	Resolution Check Measure
GC	Gas Chromatograph	RL	Laboratory Reporting Limit
GC/MS	Gas Chromatography/Mass Spectrometry	RPD	Relative Percent Difference
		RRF	Relative Response Factors
GPC	Gel Permeation Chromatography	RT	Retention Time
H ₂	Hydrogen gas	SAP	sampling analysis plan
HCl	Hydrochloric Acid	SDG	Sample Delivery Group
ICAL	Initial Calibration	SIM	Selected ion monitoring
ICB	Initial Calibration Blank	SOP	Laboratory Standard Operating Procedures
ICP/MS	Inductively Coupled Plasma/ Mass Spectrometry	SPE	Solid Phase Extraction
ICV	Initial Calibration Verification	SVOC	Semi-Volatile Organic Compounds
ICVL	Initial Calibration Verification Low	TIC	Tentatively Identified Compound
IPA	Isopropyl Alcohol	TKN	Total Kjeldahl Nitrogen
LC	Laboratory Control	TPH	Total Petroleum Hydrocarbon
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate	TPU	Total Propagated Uncertainty
		amu	atomic mass unit
MBK	Method Blank Contamination	USEPA	U.S. Environmental Protection Agency
MDC	Minimum Detectable Concentration	VOC	Volatile Organic Compounds
MDL	Laboratory Method Detection Limit	WP	Work Plan

6. Qualifiers

The qualifiers below are from the USEPA National Functional Guidelines and the data in the DUSR may contain these qualifiers:

- Concentration (C) Qualifiers:
 - U The compound was analyzed for but not detected. The associated value is either the compound quantitation limit if not detected by the analytical instrument or could be the reported or blank concentration if qualified by blank contamination. This can also be displayed as less than the associated compound quantitation limit (<RL or <MDL), or “ND”.
 - B The compound was found in the sample and its associated blank. Its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers:
 - E The compound was quantitated above the calibration range.
 - D The concentration is based on a diluted sample analysis.
- Validation Qualifiers:
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - J+ The result is an estimated quantity, but the result may be biased high.
 - J- The result is an estimated quantity, but the result may be biased low.
 - J/UJ as listed in exception tables J applies to detected data and UJ applies to non-detected data as reported by the laboratory.
 - UJ The compound was not detected above the reported sample quantitation limit; however, the reported limit is estimated and may or may not represent the actual limit of quantitation.
 - NJ The analysis indicated the presence of a compound for which there is presumptive evidence to make a tentative identification; the associated numerical value is an estimated concentration only.
 - R The sample results were rejected as unusable; the compound may or may not be present in the sample.
 - S Result is suspect. See DUSR for details.

References

1. New York State Department of Environmental Conservation (NYSDEC), 2022. Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances Under NYSDEC's Part 375 Remedial Programs. November 2022.

TABLE 1
SYSTEM PERFORMANCE SUMMARY
556 BALTIC STREET SITE RIR
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2307510	E1633	NA	MW-08-20230210	L2307510-01	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	IDL
L2307510	E1633	NA	MW-08-20230210	L2307510-01	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2307510	E1633	NA	MW-02-20230210	L2307510-04	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N	Yes	U	UJ	IDL
L2307510	E1633	NA	MW-02-20230210	L2307510-04	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2308425	E1633	NA	MW-01-20230216	L2308425-01	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NetFOSAA)	N	Yes	U	UJ	IDL
L2308425	E1633	NA	MW-01-20230216	L2308425-01	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2308425	E1633	NA	MW-01-20230216	L2308425-01	Perfluorooctane sulfonamide (PFOSA)	N	Yes	U	UJ	IDL
L2308425	E1633	NA	MW-03-20230216	L2308425-02	Perfluoroundecanoic acid (PFUnDA)	N	Yes	U	UJ	IDL
L2308425	E1633	NA	MW-03-20230216	L2308425-02	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NetFOSAA)	N	Yes	U	UJ	IDL
L2308425	E1633	NA	MW-03-20230216	L2308425-02	Perfluorodecanoic acid (PFDA)	N	Yes	1.05 J	1.05 J	IDL
L2308425	E1633	NA	MW-03-20230216	L2308425-02	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2308425	E1633	NA	MW-03-20230216	L2308425-02	Perfluorooctane sulfonamide (PFOSA)	N	Yes	U	UJ	IDL
L2308425	E1633	NA	MW-09-20230216	L2308425-04	Perfluorooctane sulfonamide (PFOSA)	N	Yes	U	UJ	IDL
L2307194	E1633	NA	MW-06-20230209	L2307194-01	Perfluoropentanoic acid (PFPeA)	N	Yes	1.84 J	1.84 J	ION
L2307194	E1633	NA	DUP-1_02092023	L2307194-02	Perfluorobutanesulfonic acid (PFBS)	N	Yes	2.72	2.72 J	ION
L2307194	E1633	NA	DUP-1_02092023	L2307194-02	Perfluoropentanoic acid (PFPeA)	N	Yes	1.29 J	1.29 J	ION
L2307194	E1633	NA	MW-06-20230209	L2307194-01	Perfluorobutanesulfonic acid (PFBS)	N	Yes	2.46	2.46 J	ION
L2307194	E1633	NA	MW-06-20230209	L2307194-01	Perfluorononanoic acid (PFNA)	N	Yes	1.54	1.54 J	LCS
L2307194	E1633	NA	DUP-1_02092023	L2307194-02	Perfluorononanoic acid (PFNA)	N	Yes	2.65	2.65 J	LCS
L2307510	E1633	NA	MW-04-20230210	L2307510-03	Perfluorohexanoic acid (PFHxA)	N	Yes	8.15	8.15 J	LCS
L2307510	E1633	NA	MW-05-20230210	L2307510-02	Perfluorohexanoic acid (PFHxA)	N	Yes	7.15	7.15 J	LCS
L2307510	E1633	NA	MW-05-20230210	L2307510-02	Perfluorooctane sulfonamide (PFOSA)	N	Yes	U	UJ	LCS
L2307510	E1633	NA	MW-08-20230210	L2307510-01	Perfluorohexanoic acid (PFHxA)	N	Yes	3.46	3.46 J	LCS
L2307510	E1633	NA	MW-08-20230210	L2307510-01	Perfluorooctane sulfonamide (PFOSA)	N	Yes	U	UJ	LCS
L2307510	E1633	NA	FIELD BLANK 02102023	L2307510-05	Perfluorohexanoic acid (PFHxA)	N	Yes	U	UJ	LCS
L2307510	E1633	NA	FIELD BLANK 02102023	L2307510-05	Perfluorooctane sulfonamide (PFOSA)	N	Yes	U	UJ	LCS
L2307510	E1633	NA	MW-02-20230210	L2307510-04	Perfluorohexanoic acid (PFHxA)	N	Yes	8.04	8.04 J	LCS
L2307510	E1633	NA	MW-02-20230210	L2307510-04	Perfluorooctane sulfonamide (PFOSA)	N	Yes	U	UJ	LCS
L2308425	E1633	NA	MW-01-20230216	L2308425-01	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2308425	E1633	NA	MW-01-20230216	L2308425-01	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	LCS
L2308425	E1633	NA	MW-07-20230216	L2308425-03	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2308425	E1633	NA	MW-07-20230216	L2308425-03	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	LCS
L2308425	E1633	NA	MW-09-20230216	L2308425-04	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS
L2308425	E1633	NA	MW-09-20230216	L2308425-04	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	LCS
L2307510	E1633	NA	MW-04-20230210	L2307510-03	Perfluorooctane sulfonamide (PFOSA)	N	Yes	U	UJ	LCS, IDL
L2308425	E1633	NA	MW-01-20230216	L2308425-01	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS, IDL
L2308425	E1633	NA	MW-03-20230216	L2308425-02	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS, IDL
L2308425	E1633	NA	MW-03-20230216	L2308425-02	Perfluorododecanoic acid (PFDoDA)	N	Yes	U	UJ	LCS, IDL
L2308425	E1633	NA	MW-03-20230216	L2308425-02	Perfluorotridecanoic acid (PFTrDA)	N	Yes	U	UJ	LCS, IDL

TABLE 1
SYSTEM PERFORMANCE SUMMARY
 556 BALTIC STREET SITE RIR
 BROOKLYN, NEW YORK

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L2308425	E1633	NA	MW-07-20230216	L2308425-03	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS, IDL
L2308425	E1633	NA	MW-09-20230216	L2308425-04	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	LCS, IDL
L2307194	E1633	NA	MW-06-20230209	L2307194-01	Perfluorooctanesulfonic acid (PFOS)	N	Yes	63.6	63.6 J	MSD

Notes:

IDL = Isotope dilution outside recovery limits.

ION = Ion ratios were reviewed and were outside the limits of 50 to 150 percent or the signal to noise ratios (S/N) were not ≥ 10 for all ions used for quantitation/ ≥ 3 for all ions used for confirmation.

LCS = Laboratory control/laboratory control spike duplicate percent recoveries or relative percent difference were outside the specified limits.

MSD = Matrix Spike/Matrix Spike Duplicate percent recoveries or relative percent difference were outside acceptance limits.

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.

U = The compound was analyzed for but not detected.

Data Usability Summary Report

Project Name: 556 Baltic Street Site RIR

Project Description: Soil Vapor

Sample Date(s): 10 through 13 February 2023

Analytical Laboratory: Alpha Analytical – Mansfield, MA

Validation Performed by: Raul Tenorio

Validation Reviewed by: Katherine Miller

Validation Date: 8 March 2023

Haley & Aldrich, Inc. prepared this Data Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for Sample Delivery Group(s) (SDG) listed. This DUSR is organized into the following sections:

- 1. Sample Delivery Group Numbers**
 - 2. Precision and Accuracy [for SDG(s) above]**
 - 3. Explanations**
 - 4. Glossary**
 - 5. Abbreviations**
 - 6. Qualifiers**
- References**

This data validation and usability assessment was performed per the guidance and requirements established by the United States Environmental Protection Agency (USEPA) using the following reference materials:

- National Functional Guidelines (NFG) for Organic Data Review.
- Analysis of Volatile Organic Compounds (VOCs) in Air Contained in Canisters by Method TO-15.

Data reported in this sampling event were reported to the laboratory reporting limit (RL).

Sample data were qualified in accordance with the laboratory's standard operating procedures (SOP). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQO) for the project and therefore usable; any exceptions are noted in the following pages.

1. Sample Delivery Group Numbers

1.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of SDG numbers:

- L2307530, dated 15 February 2023; and
- L2307679, dated 16 February 2023.

Samples were collected, preserved, and shipped following standard chain of custody (COC) protocol.

Samples were also received appropriately, identified correctly, and analyzed according to the COC.

Analyses were performed on the following samples:

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods
VP-05-20230210	N	L2307530-01	02/10/2023	GS	A
VP-04-20230210	N	L2307530-02	02/10/2023	GS	A
VP-07-20230210	N	L2307530-03	02/10/2023	GS	A
VP-03-20230210	N	L2307530-04	02/10/2023	GS	A
VP-08-20230210	N	L2307530-05	02/10/2023	GS	A
VP-06-20230213	N	L2307679-01	02/13/2023	GS	A
VP-02-20230213	N	L2307679-02	02/13/2023	GS	A
VP-01-20230213	N	L2307679-03	02/13/2023	GS	A

Method Holding Times			
A.	TO15	Determination of volatile organic compound (VOC) in ambient air using special canisters and gas chromatography/mass spectrometry (GC/MS)	30 days

1.2 CASE NARRATIVE

The laboratory report case narratives included the following issues:

- SDGs L2307530, L2307679: Canisters were released from the laboratory on 30 January 2023. The canister certification results are provided as an addendum.

1.3 MULTIPLE SAMPLE RESULTS

The laboratory reported multiple results for the samples listed below. The validator chose the results that best met the DQO of the project.

- SDG L2307530, sample L2307530-05: The sample was re-analyzed on dilution to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

SDG	Lab ID	Method	Analyte	Qualification
L2307530	VP-08-20230210 analyzed at 07:55	TO15	Toluene	The laboratory reanalyzed the sample with dilution to quantitate the results within the calibration range. The original results are marked nonreportable and the reanalysis results are accepted.

1.4 HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified per method protocol.

1.5 REPORTING LIMITS AND SAMPLE DILUTIONS

All sample dilutions were reviewed and found to be justified. Only detected analytes were reported from a sample dilution analysis.

1.6 SURROGATE RECOVERY COMPLIANCE

[Refer to section E 1.2.](#) The percent recovery (%R) for each surrogate compound added to each project sample were determined to be within the laboratory specified quality control (QC) limits.

1.7 LABORATORY CONTROL SAMPLES

[Refer to section E 1.3.](#) Compounds associated with the laboratory control samples (LCS) analyses associated with client samples exhibited recoveries within the specified limits.

1.8 BLANK SAMPLE ANALYSIS

[Refer to section E 1.5.](#) Method blank samples had no detections, indicating that no contamination from laboratory activities occurred.

1.9 DUPLICATE SAMPLE ANALYSIS

[Refer to section E 1.6.](#) The following sample(s) were used for laboratory duplicate analysis and the relative percent differences (RPDs) were all below 20 percent (or the absolute difference rule was satisfied if detects were less than 5 times the RL):

Lab Sample Number	Laboratory Duplicate Sample Client ID	Method(s)
L2307530-01	VP-05	TO15

1.10 CLEAN CANISTER CERTIFICATION

The canisters used for the TO-15 sample collection were certified clean by batch can analysis prior to sampling to ensure that no target analytes were present. These analysis sheets were reviewed, and no target analytes were detected in the laboratory-provided canisters.

1.11 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The results presented in this report were found to comply with the data quality objectives for the project and the guidelines specified by the analytical method. Based on the review of this report, the data are useable and acceptable as no data was rejected. No qualifiers were applied to any data in this report.

2. Precision and Accuracy [for SDG(s) above]

[Refer to section E 1.7.](#) Where required by the method, some measurement of analytical accuracy and precision was reported for each method with the site samples.

3. Explanations

The following explanations include more detailed information regarding each of the sections in the DUSR above. Not all sections in the Explanations are represented:

- E 1.2 Surrogate Recovery Compliance
 - Surrogates, also known as system monitoring compounds, are compounds added to each sample prior to sample preparation to determine the efficiency of the extraction procedure by evaluating the percent recovery (%R) of the compounds.
- E 1.3 Laboratory Control Samples
 - The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.5 Blank Sample Analysis
 - Method blanks are prepared by the analytical laboratory and analyzed concurrently with the project samples to assess possible laboratory contamination.
- E 1.6 Laboratory and Field Duplicate Sample Analysis
 - The laboratory duplicate sample analysis is used by the laboratory at the time of the analysis to demonstrate acceptable method precision. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.
- E 1.7 Precision and Accuracy
 - Precision measures the reproducibility of repetitive measurements. In a laboratory environment, this will be measured by determining the relative percent difference (RPD) found between a primary and a duplicate sample. This can be an LCS/LCSD pair, a MS/MSD pair, a laboratory duplicate performed on a site sample, or a field duplicate collected and analyzed concurrently with a site sample.
 - Accuracy is a statistical measurement of the correctness of a measured value and includes components of random error (variability caused by imprecision) and systematic error. In a laboratory environment, this will be measured by determining the percent recovery (%R) of certain spiked compounds. This can be assessed using LCS, blank spike (BS), MS, and/or surrogate recoveries.

4. Glossary

Not all of the following symbols, acronyms, or qualifiers occur in this document.

- Sample Types:
 - EB Equipment Blank Sample
 - FB Field Blank Sample
 - FD Field Duplicate Sample
 - N Primary Sample
 - TB Trip Blank Sample
- Units:
 - $\mu\text{g/kg}$ microgram per kilogram
 - $\mu\text{g/L}$ microgram per liter
 - $\mu\text{g/m}^3$ microgram per cubic meter
 - mg/kg milligram per kilogram
 - mg/L milligram per liter
 - ppb v/v parts per billion volume/volume
 - pCi/L picocuries per liter
 - pg/g picograms per gram
- Matrices:
 - AA Ambient Air
 - GS Soil Gas
 - GW/WG Groundwater
 - QW Water Quality
 - IA Indoor Air
 - SE Sediment
 - SO Soil
 - WQ Water Quality control matrix
 - WS Surface Water
- Table Footnotes:
 - NA Not applicable
 - ND Non-detect
 - NR Not reported
- Common Symbols:
 - % percent
 - < less than
 - $\leq$ less than or equal to
 - > greater than
 - $\geq$ greater than or equal to
 - = equal
 - $^{\circ}\text{C}$ degrees Celsius
 - $\pm$ plus or minus
 - $\sim$ approximately
 - x times (multiplier)

5. Abbreviations

%D	Percent Difference	mg/kg	milligrams per kilogram
%R	Percent Recovery	MS/MSD	Matrix Spike/Matrix Spike Duplicate
%RSD	Percent Relative Standard Deviation	NA	not applicable
%v/v	Percent volume by volume	ND	Non-Detect
µg/L	micrograms per liter	NFG	National Functional Guidelines
2s	2 sigma	NH ₃	Ammonia
4,4-DDT	4 4-dichlorodiphenyltrichloroethane	NYSDEC	New York State Department of Environmental Conservation
Abs Diff	Absolute Difference		
amu	atomic mass unit	PAH	polycyclic aromatic hydrocarbon
BPJ	Best Professional Judgement	PCB	Polychlorinated Biphenyl
BS	Blank Spike	PDS	Post Digestion Spike
CCB	Continuing Calibration Blank	PEM	Performance Evaluation Mixture
CCV	Continuing Calibration Verification	PFAS	Per- and Polyfluoroalkyl Substances
CCVL	Continuing Calibration Verification Low	PFBA	Perfluorobutanoic Acid
		PFD	Perfluorodecalin
COC	Chain of Custody	PFOA	Perfluorooctanoic Acid
COM	Combined Isotope Calculation	PFOS	Perfluorooctane sulfonate
Cr (VI)	Hexavalent Chromium	PFPeA	Perfluoropentanoic Acid
CRI	Collision Reaction Interface	QAPP	Quality Assurance Project Plan
DoD	Department of Defense	QC	Quality Control
DQO	data quality objective	QSM	Quality Systems Manual
DUSR	Data Usability Summary Report	R ²	R-squared value
EMPC	Estimated Maximum Possible Concentration	Ra-226	Radium-226
		Ra-228	Radium-228
FBK	Field Blank Contamination	RESC	Resolution Check Measure
FDP	Field Duplicate	RL	Laboratory Reporting Limit
GC	Gas Chromatograph	RPD	Relative Percent Difference
GC/MS	Gas Chromatography/Mass Spectrometry	RRF	Relative Response Factors
		RT	Retention Time
GPC	Gel Permeation Chromatography	SAP	sampling analysis plan
H ₂	Hydrogen gas	SDG	Sample Delivery Group
HCl	Hydrochloric Acid	SIM	Selected ion monitoring
ICAL	Initial Calibration	SOP	Laboratory Standard Operating Procedures
ICB	Initial Calibration Blank		
ICP/MS	Inductively Coupled Plasma/ Mass Spectrometry	SPE	Solid Phase Extraction
		SVOC	Semi-Volatile Organic Compounds
ICV	Initial Calibration Verification	TIC	Tentatively Identified Compound
ICVL	Initial Calibration Verification Low	TKN	Total Kjeldahl Nitrogen
IPA	Isopropyl Alcohol	TPH	Total Petroleum Hydrocarbon
LC	Laboratory Control	TPU	Total Propagated Uncertainty
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate	amu	atomic mass unit
		USEPA	U.S. Environmental Protection Agency
MBK	Method Blank Contamination	VOC	Volatile Organic Compounds
MDC	Minimum Detectable Concentration	WP	Work Plan
MDL	Laboratory Method Detection Limit		

6. Qualifiers

The qualifiers below are from the USEPA National Functional Guidelines and the data in the DUSR may contain these qualifiers:

- Concentration (C) Qualifiers:
 - U The compound was analyzed for but not detected. The associated value is either the compound quantitation limit if not detected by the analytical instrument or could be the reported or blank concentration if qualified by blank contamination. This can also be displayed as less than the associated compound quantitation limit (<RL or <MDL), or “ND”.
 - B The compound was found in the sample and its associated blank. Its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers:
 - E The compound was quantitated above the calibration range.
 - D The concentration is based on a diluted sample analysis.
- Validation Qualifiers:
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - J+ The result is an estimated quantity, but the result may be biased high.
 - J- The result is an estimated quantity, but the result may be biased low.
 - J/UJ as listed in exception tables J applies to detected data and UJ applies to non-detected data as reported by the laboratory.
 - UJ The compound was not detected above the reported sample quantitation limit; however, the reported limit is estimated and may or may not represent the actual limit of quantitation.
 - NJ The analysis indicated the presence of a compound for which there is presumptive evidence to make a tentative identification; the associated numerical value is an estimated concentration only.
 - R The sample results were rejected as unusable; the compound may or may not be present in the sample.
 - S Result is suspect. See DUSR for details.

References

1. United States Environmental Protection Agency (USEPA), 2014. Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15, SOP NO. HW-31, Revision 6. June 2014.
2. USEPA, 2020. National Functional Guidelines for Organic Superfund Methods Data Review. EPA-540-R-20-005. November 2020.

Data Usability Summary Report

Project Name: 556 Baltic Street Site RIR

Project Description: Soil and Soil Vapor Samples

Sample Date(s): 2 and 9 February and; 2 and 8 June 2023

Analytical Laboratory: Alpha Analytical – Mansfield, MA

Validation Performed by: Kristina Ilina

Validation Reviewed by: Katherine Miller

Validation Date: 14 June, 2023

Haley & Aldrich, Inc. prepared this Data Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for Sample Delivery Group(s) (SDG) listed. This DUSR is organized into the following sections:

- 1. Sample Delivery Group Numbers L2325105 and L2330932**
 - 2. Sample Delivery Group Numbers L2330938 and L2332183**
 - 3. Explanations**
 - 4. Glossary**
 - 5. Abbreviations**
 - 6. Qualifiers**
- References**

This data validation and usability assessment was performed per the guidance and requirements established by the United States Environmental Protection Agency (USEPA) using the following reference materials:

- National Functional Guidelines (NFG) for Inorganic Data Review.
- Analysis of Volatile Organic Compounds (VOCs) in Air Contained in Canisters by Method TO-15.

Data reported in this sampling event were reported to the laboratory reporting limit (RL) for soil vapor samples and to the laboratory method detection limit (MDL) for soil samples. Results found between the MDL and RL are flagged J as estimated.

Sample data were qualified in accordance with the laboratory's standard operating procedures (SOP). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQO) for the project and therefore usable; any exceptions are noted in the following pages.

1. Sample Delivery Group Numbers L2325105 and L2330932

1.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of SDG number:

- L2325105, dated 15 May 2023, and
- L2330932, dated 7 June 2023.

Samples were collected, preserved, and shipped following standard chain of custody (COC) protocol. Samples were also received appropriately, identified correctly, and analyzed according to the COC. Issues noted with sample management are listed below:

- Custody seals were not used on the sample cooler(s).
- In SDG L2325105 the following samples names do not match with COC: DB-04 (10-12), DB-04 (12-14), DB-04 (14-16), DB-06 (10-12), DB-06 (12-14), and DB-06 (14-16).

Analyses were performed on the following samples:

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods
DB-01 (0-2)	N	L2325105-01	02/02/2023	SO	A, B, C
DB-01 (2-4)	N	L2325105-02	02/02/2023	SO	A, B, C
DB-01 (4-6)	N	L2325105-03	02/02/2023	SO	A, B, C
DB-02 (0-2)	N	L2325105-04	02/02/2023	SO	A, B, C
DB-02 (2-4)	N	L2325105-05	02/02/2023	SO	A, B, C
DB-02 (4-6)	N	L2325105-06	02/02/2023	SO	A, B, C
DB-03 (0-2)	N	L2325105-07	02/02/2023	SO	A, B, C
DB-03 (2-4)	N	L2325105-08	02/02/2023	SO	A, B, C
DB-03 (4-6)	N	L2325105-09	02/02/2023	SO	A, B, C
DB-04 (10-12)	N	L2325105-10	02/02/2023	SO	A, D, E
DB-04 (12-14)	N	L2325105-11	02/02/2023	SO	A, D, E
DB-04 (14-16)	N	L2325105-12	02/02/2023	SO	A, D, E
DB-05 (10-12)	N	L2325105-13	02/02/2023	SO	A, D, E
DB-05 (12-14)	N	L2325105-14	02/02/2023	SO	A, D, E
DB-05 (14-16)	N	L2325105-15	02/02/2023	SO	A, D, E
DB-06 (10-12)	N	L2325105-16	02/09/2023	SO	A, D, E
DB-06 (12-14)	N	L2325105-17	02/09/2023	SO	A, D, E
DB-06 (14-16)	N	L2325105-18	02/09/2023	SO	A, D, E
DB-07 (11-13)	N	L2330932-01	06/02/2023	SO	A, D, E
DB-07 (13-15)	N	L2330932-02	06/02/2023	SO	A, D, E
DB-07 (15-17)	N	L2330932-03	06/02/2023	SO	A, D, E
DB-09 (11-13)	N	L2330932-04	06/02/2023	SO	A, D, E
DB-09 (13-15)	N	L2330932-05	06/02/2023	SO	A, D, E
DB-09 (15-17)	N	L2330932-06	06/02/2023	SO	A, D, E

Method Holding Times			
A.	SM2540G	Total Solids	7 days for solid unpreserved
B.	SW6010D	Lead (by Optical Emission Spectrometry)	180 days for solid unpreserved
C.	SW6010DR	Lead, Toxicity Characteristic Leaching Program (TCLP)	180 days for solid unpreserved
D.	SW7470AR	Mercury, TCLP	28 days for solid, unpreserved
E.	SW7471B	Mercury (in Solids)	28 days extraction/48 hours analysis for solid, unpreserved

1.2 HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified per method protocol with the following exceptions:

Method	Matrix	Holding Time	Preservation	Sample ID, Violation, Qualification
SM2540G	Soil	7 days for solid unpreserved	Cool to $\leq 6^{\circ}\text{C}$	The following samples were analyzed outside the holding time per client's request and qualified J : L2325105-01 through L2325105-18.
SW7470AR	Soil	28 days for solid, unpreserved	Cool to $\leq 6^{\circ}\text{C}$	The following samples were analyzed outside the holding time per client's request and qualified UJ : L2325105-10 through L2325105-18.
SW7471B	Soil	28 days extraction/48 hours analysis for solid, unpreserved	Cool to $\leq 6^{\circ}\text{C}$	The following samples were analyzed outside the holding time per client's request and qualified J :- L2325105-10 through L2325105-18.

1.3 REPORTING LIMITS AND SAMPLE DILUTIONS

All sample dilutions were reviewed and found to be justified. Dilution of the project samples were required to bring calibration of target analytes within calibration range, matrix interference, foaming at the time of purging, or abundance of non-target analytes.

1.4 REPORTING BASIS (WET/DRY)

[Refer to section E 1.1.](#) Soil data in this SDG were reported on a dry weight basis.

Where reported, percent solid results were reviewed and found to be within limits.

1.5 LABORATORY CONTROL SAMPLES

[Refer to section E 1.3.](#) Compounds associated with the laboratory control samples/laboratory control sample duplicates (LCS/LCSD) analyses associated with client samples exhibited recoveries and relative percent differences (RPDs) within the specified limits.

1.6 MATRIX SPIKE SAMPLES

[Refer to section E 1.4.](#) The sample(s) below were used for matrix spike/matrix spike duplicate (MS/MSD):

Lab Sample Number	Matrix Spike/Matrix Spike Duplicate Sample Client ID	Method(s)
L2330932-01	DB-07 (11-13)	SW7471B
L2330932-04	DB-09 (11-13)	SW7470AR
L2325105-05	DB-02 (2-4)	SW6010DR
L2325105-10	DB-04 (10-12)	SW7470AR, SW7471B

The MS/MSD recoveries and the RPD between the MS and MSD results were within the specified limits with the following exceptions:

Sample Type	Method	Parent Sample	Analyte	%R/RPD	Qualifier	Affected Samples
MS	SW7471B	DB-04 (10-12)	Mercury	196%	J+/None	L2325105-10, L2325105-18

1.7 BLANK SAMPLE ANALYSIS

[Refer to section E 1.5.](#) Method blank samples had no detections, indicating that no contamination from laboratory activities occurred.

1.8 DUPLICATE SAMPLE ANALYSIS

[Refer to section E 1.6.](#) The following sample(s) were used for laboratory duplicate analysis and the RPDs were all below 20 percent (or the absolute difference rule was satisfied if detects were less than 5 times the RL). Any exceptions are noted below and qualified.

Lab Sample Number	Laboratory Duplicate Sample Client ID	Method(s)
L2330932-04	DB-09 (11-13)	SW7470AR
L2330932-01	DB-07 (11-13)	SW7471B
L2325105-05	DB-02 (2-4)	SW6010DR
L2325105-10	DB-04 (10-12)	SW7470AR, SW7471B

Lab Sample Number	Laboratory Duplicate Sample Client ID	Method(s)/Analyte	% RPD	Qualification
L2330932-01	DB-07 (11-13)	Mercury	24%	None, Abs. Diff. < RL

No field duplicates were collected in this data set.

1.9 PRECISION AND ACCURACY

[Refer to section E 1.7.](#) Where required by the method, some measurement of analytical accuracy and precision was reported for each method with the site samples.

1.10 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The results presented in this report were found to comply with the DQOs for the project and the guidelines specified by the analytical method. Based on the review of this report, the data are useable and acceptable as no data was rejected. except for rejected data noted below. A summary of qualifiers applied to this data set is shown in Table 1.

2. Sample Delivery Group Numbers L2330938 and L2332183

2.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of SDG numbers:

- L2330938, dated 8 June 2023; and
- L2332183, dated 13 June 2023.

Samples were collected, preserved, and shipped following standard COC protocol.

Samples were also received appropriately, identified correctly, and analyzed according to the COC.

Analyses were performed on the following samples:

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods
VP-10	N	L2330938-01	06/02/2023	GS	A
VP-09	N	L2332183-01	06/08/2023	GS	A

Method Holding Times			
A.	TO15	Determination of volatile organic compound (VOC) in ambient air using special canisters and gas chromatography/mass spectrometry (GC/MS)	30 days

2.2 CASE NARRATIVE

The laboratory report case narratives included the following issues:

- SDGs L2330938 and L2332183: Canisters were released from the laboratory on 2 June 2023. The canister certification results are provided as an addendum.

2.3 HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified per method protocol.

2.4 REPORTING LIMITS AND SAMPLE DILUTIONS

All sample dilutions were reviewed and found to be justified. Only detected analytes were reported from a sample dilution analysis.

2.5 SURROGATE RECOVERY COMPLIANCE

[Refer to section E 1.2.](#) The percent recovery (%R) for each surrogate compound added to each project sample were determined to be within the laboratory specified quality control (QC) limits.

2.6 LABORATORY CONTROL SAMPLES

[Refer to section E 1.3.](#) Compounds associated with the laboratory control samples (LCS) analyses associated with client samples exhibited recoveries within the specified limits.

2.7 BLANK SAMPLE ANALYSIS

[Refer to section E 1.5.](#) Method blank samples had no detections, indicating that no contamination from laboratory activities occurred.

2.8 DUPLICATE SAMPLE ANALYSIS

[Refer to section E 1.6.](#) The laboratory did not analyze any laboratory duplicates as per the method or laboratory SOP.

2.9 CLEAN CANISTER CERTIFICATION

The canisters used for the TO-15 sample collection were certified clean by batch can analysis prior to sampling to ensure that no target analytes were present. These analysis sheets were reviewed, and no target analytes were detected in the laboratory-provided canisters.

2.10 PRECISION AND ACCURACY

[Refer to section E 1.7.](#) Where required by the method, some measurement of analytical accuracy and precision was reported for each method with the site samples.

2.11 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The results presented in this report were found to comply with the data quality objectives for the project and the guidelines specified by the analytical method. Based on the review of this report, the data are useable and acceptable as no data was rejected. No qualifiers were applied to any data in this report.

3. Explanations

The following explanations include more detailed information regarding each of the sections in the DUSR above. Not all sections in the Explanations are represented:

- E 1.1 Reporting Basis (Wet/Dry)
 - Soil samples can be reported on either a wet (as received) or dry weight basis. Dry weight data indicate calculations were made to compensate for the moisture content of the soil sample.
 - Percent (%) solids should be appropriately considered when evaluating analytical results for non-aqueous samples. Sediments with high moisture content may or may not be successfully analyzed by routine analytical methods. Samples should have greater than or equal to 30 percent solids to be appropriately quantified.
- E 1.2 Surrogate Recovery Compliance
 - Surrogates, also known as system monitoring compounds, are compounds added to each sample prior to sample preparation to determine the efficiency of the extraction procedure by evaluating the percent recovery (%R) of the compounds.
- E 1.3 Laboratory Control Samples
 - The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.4 Matrix Spike Samples
 - Matrix spike/matrix spike duplicate (MS/MSD) data are used to assess the precision and accuracy of the analytical method and evaluate the effects of the sample matrix on the sample preparation procedures and measurement methodologies.
 - For inorganic methods, when a matrix spike recovery falls outside of the control limits and the sample result is less than four times the spike added, a post digestion spike (PDS) is performed.
- E 1.5 Blank Sample Analysis
 - Method blanks are prepared by the analytical laboratory and analyzed concurrently with the project samples to assess possible laboratory contamination.
- E 1.6 Laboratory and Field Duplicate Sample Analysis
 - The laboratory duplicate sample analysis is used by the laboratory at the time of the analysis to demonstrate acceptable method precision. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.
- E 1.7 Precision and Accuracy
 - Precision measures the reproducibility of repetitive measurements. In a laboratory environment, this will be measured by determining the relative percent difference (RPD) found between a primary and a duplicate sample. This can be an LCS/LCSD pair, a MS/MSD pair, a laboratory duplicate performed on a site sample, or a field duplicate collected and analyzed concurrently with a site sample.

- Accuracy is a statistical measurement of the correctness of a measured value and includes components of random error (variability caused by imprecision) and systematic error. In a laboratory environment, this will be measured by determining the percent recovery (%R) of certain spiked compounds. This can be assessed using LCS, blank spike (BS), MS, and/or surrogate recoveries.

4. Glossary

Not all of the following symbols, acronyms, or qualifiers occur in this document.

- Sample Types:
 - EB Equipment Blank Sample
 - FB Field Blank Sample
 - FD Field Duplicate Sample
 - N Primary Sample
 - TB Trip Blank Sample
- Units:
 - $\mu\text{g/kg}$ microgram per kilogram
 - $\mu\text{g/L}$ microgram per liter
 - $\mu\text{g/m}^3$ microgram per cubic meter
 - mg/kg milligram per kilogram
 - mg/L milligram per liter
 - ppb v/v parts per billion volume/volume
 - pCi/L picocuries per liter
 - pg/g picograms per gram
- Matrices:
 - AA Ambient Air
 - GS Soil Gas
 - GW/WG Groundwater
 - QW Water Quality
 - IA Indoor Air
 - SE Sediment
 - SO Soil
 - WQ Water Quality control matrix
 - WS Surface Water
- Table Footnotes:
 - NA Not applicable
 - ND Non-detect
 - NR Not reported
- Common Symbols:
 - % percent
 - < less than
 - $\leq$ less than or equal to
 - > greater than
 - $\geq$ greater than or equal to
 - = equal
 - $^{\circ}\text{C}$ degrees Celsius
 - $\pm$ plus or minus
 - $\sim$ approximately
 - x times (multiplier)

5. Abbreviations

%D	Percent Difference	mg/kg	milligrams per kilogram
%R	Percent Recovery	MS/MSD	Matrix Spike/Matrix Spike Duplicate
%RSD	Percent Relative Standard Deviation	NA	not applicable
%v/v	Percent volume by volume	ND	Non-Detect
µg/L	micrograms per liter	NFG	National Functional Guidelines
2s	2 sigma	NH ₃	Ammonia
4,4-DDT	4 4-dichlorodiphenyltrichloroethane	NYSDEC	New York State Department of Environmental Conservation
Abs Diff	Absolute Difference		
amu	atomic mass unit	PAH	polycyclic aromatic hydrocarbon
BPJ	Best Professional Judgement	PCB	Polychlorinated Biphenyl
BS	Blank Spike	PDS	Post Digestion Spike
CCB	Continuing Calibration Blank	PEM	Performance Evaluation Mixture
CCV	Continuing Calibration Verification	PFAS	Per- and Polyfluoroalkyl Substances
CCVL	Continuing Calibration Verification Low	PFBA	Perfluorobutanoic Acid
		PFD	Perfluorodecalin
COC	Chain of Custody	PFOA	Perfluorooctanoic Acid
COM	Combined Isotope Calculation	PFOS	Perfluorooctane sulfonate
Cr (VI)	Hexavalent Chromium	PFPeA	Perfluoropentanoic Acid
CRI	Collision Reaction Interface	QAPP	Quality Assurance Project Plan
DoD	Department of Defense	QC	Quality Control
DQO	data quality objective	QSM	Quality Systems Manual
DUSR	Data Usability Summary Report	R ²	R-squared value
EMPC	Estimated Maximum Possible Concentration	Ra-226	Radium-226
		Ra-228	Radium-228
FBK	Field Blank Contamination	RESC	Resolution Check Measure
FDP	Field Duplicate	RL	Laboratory Reporting Limit
GC	Gas Chromatograph	RPD	Relative Percent Difference
GC/MS	Gas Chromatography/Mass Spectrometry	RRF	Relative Response Factors
		RT	Retention Time
GPC	Gel Permeation Chromatography	SAP	sampling analysis plan
H ₂	Hydrogen gas	SDG	Sample Delivery Group
HCl	Hydrochloric Acid	SIM	Selected ion monitoring
ICAL	Initial Calibration	SOP	Laboratory Standard Operating Procedures
ICB	Initial Calibration Blank		
ICP/MS	Inductively Coupled Plasma/ Mass Spectrometry	SPE	Solid Phase Extraction
		SVOC	Semi-Volatile Organic Compounds
ICV	Initial Calibration Verification	TIC	Tentatively Identified Compound
ICVL	Initial Calibration Verification Low	TKN	Total Kjeldahl Nitrogen
IPA	Isopropyl Alcohol	TPH	Total Petroleum Hydrocarbon
LC	Laboratory Control	TPU	Total Propagated Uncertainty
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate	amu	atomic mass unit
		USEPA	U.S. Environmental Protection Agency
MBK	Method Blank Contamination	VOC	Volatile Organic Compounds
MDC	Minimum Detectable Concentration	WP	Work Plan
MDL	Laboratory Method Detection Limit		

6. Qualifiers

The qualifiers below are from the USEPA National Functional Guidelines and the data in the DUSR may contain these qualifiers:

- Concentration (C) Qualifiers:
 - U The compound was analyzed for but not detected. The associated value is either the compound quantitation limit if not detected by the analytical instrument or could be the reported or blank concentration if qualified by blank contamination. This can also be displayed as less than the associated compound quantitation limit (<RL or <MDL), or “ND”.
 - B The compound was found in the sample and its associated blank. Its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers:
 - E The compound was quantitated above the calibration range.
 - D The concentration is based on a diluted sample analysis.
- Validation Qualifiers:
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - J+ The result is an estimated quantity, but the result may be biased high.
 - J- The result is an estimated quantity, but the result may be biased low.
 - J/UJ as listed in exception tables J applies to detected data and UJ applies to non-detected data as reported by the laboratory.
 - UJ The compound was not detected above the reported sample quantitation limit; however, the reported limit is estimated and may or may not represent the actual limit of quantitation.
 - NJ The analysis indicated the presence of a compound for which there is presumptive evidence to make a tentative identification; the associated numerical value is an estimated concentration only.
 - R The sample results were rejected as unusable; the compound may or may not be present in the sample.
 - S Result is suspect. See DUSR for details.

References

1. United States Environmental Protection Agency (USEPA). 2014. Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15, SOP NO. HW-31, Revision 6. June 2014.
2. USEPA. 2020. National Functional Guidelines for Inorganic Superfund Methods Data Review. EPA-542-R-20-006. November 2020.

TABLE 1
SYSTEM PERFORMANCE SUMMARY
556 BALTIC STREET SITE RIR
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2325105	SM2540G	NA	DB-01 (0-2)	L2325105-01	Total Solids	N	Yes	90.9	90.9 J	HTQ
L2325105	SM2540G	NA	DB-01 (2-4)	L2325105-02	Total Solids	N	Yes	91	91 J	HTQ
L2325105	SM2540G	NA	DB-01 (4-6)	L2325105-03	Total Solids	N	Yes	91.2	91.2 J	HTQ
L2325105	SM2540G	NA	DB-02 (0-2)	L2325105-04	Total Solids	N	Yes	92.4	92.4 J	HTQ
L2325105	SM2540G	NA	DB-02 (2-4)	L2325105-05	Total Solids	N	Yes	97.9	97.9 J	HTQ
L2325105	SM2540G	NA	DB-02 (4-6)	L2325105-06	Total Solids	N	Yes	90.7	90.7 J	HTQ
L2325105	SM2540G	NA	DB-03 (0-2)	L2325105-07	Total Solids	N	Yes	90.2	90.2 J	HTQ
L2325105	SM2540G	NA	DB-03 (2-4)	L2325105-08	Total Solids	N	Yes	84.4	84.4 J	HTQ
L2325105	SM2540G	NA	DB-03 (4-6)	L2325105-09	Total Solids	N	Yes	83.8	83.8 J	HTQ
L2325105	SM2540G	NA	DB-04 (10-12)	L2325105-10	Total Solids	N	Yes	75.3	75.3 J	HTQ
L2325105	SW7470AR	NA	DB-04 (10-12)	L2325105-10	Mercury	N	Yes	U	UJ	HTQ
L2325105	SM2540G	NA	DB-04 (12-14)	L2325105-11	Total Solids	N	Yes	66	66 J	HTQ
L2325105	SW7470AR	NA	DB-04 (12-14)	L2325105-11	Mercury	N	Yes	U	UJ	HTQ
L2325105	SW7471B	NA	DB-04 (12-14)	L2325105-11	Mercury	N	Yes	1.55	1.55 J-	HTQ
L2325105	SM2540G	NA	DB-04 (14-16)	L2325105-12	Total Solids	N	Yes	74.8	74.8 J	HTQ
L2325105	SW7470AR	NA	DB-04 (14-16)	L2325105-12	Mercury	N	Yes	U	UJ	HTQ
L2325105	SW7471B	NA	DB-04 (14-16)	L2325105-12	Mercury	N	Yes	1.09	1.09 J-	HTQ
L2325105	SM2540G	NA	DB-05 (10-12)	L2325105-13	Total Solids	N	Yes	84.4	84.4 J	HTQ
L2325105	SW7470AR	NA	DB-05 (10-12)	L2325105-13	Mercury	N	Yes	U	UJ	HTQ
L2325105	SW7471B	NA	DB-05 (10-12)	L2325105-13	Mercury	N	Yes	1.53	1.53 J-	HTQ
L2325105	SM2540G	NA	DB-05 (12-14)	L2325105-14	Total Solids	N	Yes	87.1	87.1 J	HTQ
L2325105	SW7470AR	NA	DB-05 (12-14)	L2325105-14	Mercury	N	Yes	U	UJ	HTQ
L2325105	SW7471B	NA	DB-05 (12-14)	L2325105-14	Mercury	N	Yes	1.17	1.17 J-	HTQ
L2325105	SM2540G	NA	DB-05 (14-16)	L2325105-15	Total Solids	N	Yes	72.4	72.4 J	HTQ
L2325105	SW7470AR	NA	DB-05 (14-16)	L2325105-15	Mercury	N	Yes	U	UJ	HTQ
L2325105	SW7471B	NA	DB-05 (14-16)	L2325105-15	Mercury	N	Yes	0.733	0.733 J-	HTQ
L2325105	SM2540G	NA	DB-06 (10-12)	L2325105-16	Total Solids	N	Yes	73.8	73.8 J	HTQ
L2325105	SW7470AR	NA	DB-06 (10-12)	L2325105-16	Mercury	N	Yes	U	UJ	HTQ
L2325105	SW7471B	NA	DB-06 (10-12)	L2325105-16	Mercury	N	Yes	1.02	1.02 J-	HTQ
L2325105	SM2540G	NA	DB-06 (12-14)	L2325105-17	Total Solids	N	Yes	74.4	74.4 J	HTQ
L2325105	SW7470AR	NA	DB-06 (12-14)	L2325105-17	Mercury	N	Yes	U	UJ	HTQ
L2325105	SW7471B	NA	DB-06 (12-14)	L2325105-17	Mercury	N	Yes	0.867	0.867 J-	HTQ

TABLE 1
SYSTEM PERFORMANCE SUMMARY
 556 BALTIC STREET SITE RIR
 BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2325105	SM2540G	NA	DB-06 (14-16)	L2325105-18	Total Solids	N	Yes	78	78 J	HTQ
L2325105	SW7470AR	NA	DB-06 (14-16)	L2325105-18	Mercury	N	Yes	U	UJ	HTQ
L2325105	SW7471B	NA	DB-04 (10-12)	L2325105-10	Mercury	N	Yes	0.737	0.737 J+	HTQ, MSD
L2325105	SW7471B	NA	DB-06 (14-16)	L2325105-18	Mercury	N	Yes	10.1	10.1 J+	HTQ, MSD

Notes:

HTQ = Holding time exceedance.

MSD = Matrix spike/matrix spike duplicate percent recoveries or relative percent difference were outside the specified limits.

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.

J- = The result is an estimated quantity, but the result may be biased low.

J+ = The result is an estimated quantity, but the result may be biased high.

UJ = The compound was not detected above the reported sample quantitation limit; however, the reported limit is estimated and may or may not represent the actual limit of quantitation.

APPENDIX J

Daily Reports

DAILY FIELD REPORT

Project	556 Baltic Street	Report No.	001
NYSDEC BCP Site	C224375	Date	2/1/2023
Location	151-169 Third Avenue, Brooklyn, NY	File No.	0204090
Client	159 Third Realty LLC	Temperature	27-38°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	Wind Direction	South, 0-4 mph
Weather	Partly Cloudy	Personnel on Site	M. Boland, S. Sotomayor
Humidity	51%	Time on Site	7:00am to 3:15pm

Haley & Aldrich of New York (Haley & Aldrich) was present to document the implementation of the Remedial Investigation Work Plan (RIWP) for the 556 Baltic Street (referred to as "159 Third Avenue" in previous investigations) BCP Site C224375, located at 151-169 Third Avenue. Site Observations are summarized below.

Daily Observations:

- Haley & Aldrich field personnel performed community air monitoring during the implementation of the activities in the approved Remedial Investigation Work Plan
- Coastal mobilized a sonic drilling rig (Eijkelpkamp CRS-XL-140 Duo) to the site
- Coastal completed a site-wide GPR survey and cleared boring locations
- Coastal completed installation of five borings (HA-06, HA-08, HA-14, HA-15, and HA-16) to 20 feet below grade surface (ft bgs) and collected soil samples in accordance with the RIWP
- Coastal completed installation of two monitoring wells (MW-06 and MW-08) at 20 ft bgs

Samples Collected:

- Soil samples were collected from HA-06, HA-08, HA-14, HA-15, and HA-16 in accordance with the RIWP
- One QA/QC Field Blank
- One Trip Blank
- All samples were submitted on ice in a cooler via courier to Alpha Analytical Laboratories, Inc. in Westborough, MA for analyses in accordance with the RIWP

CAMP Activities:

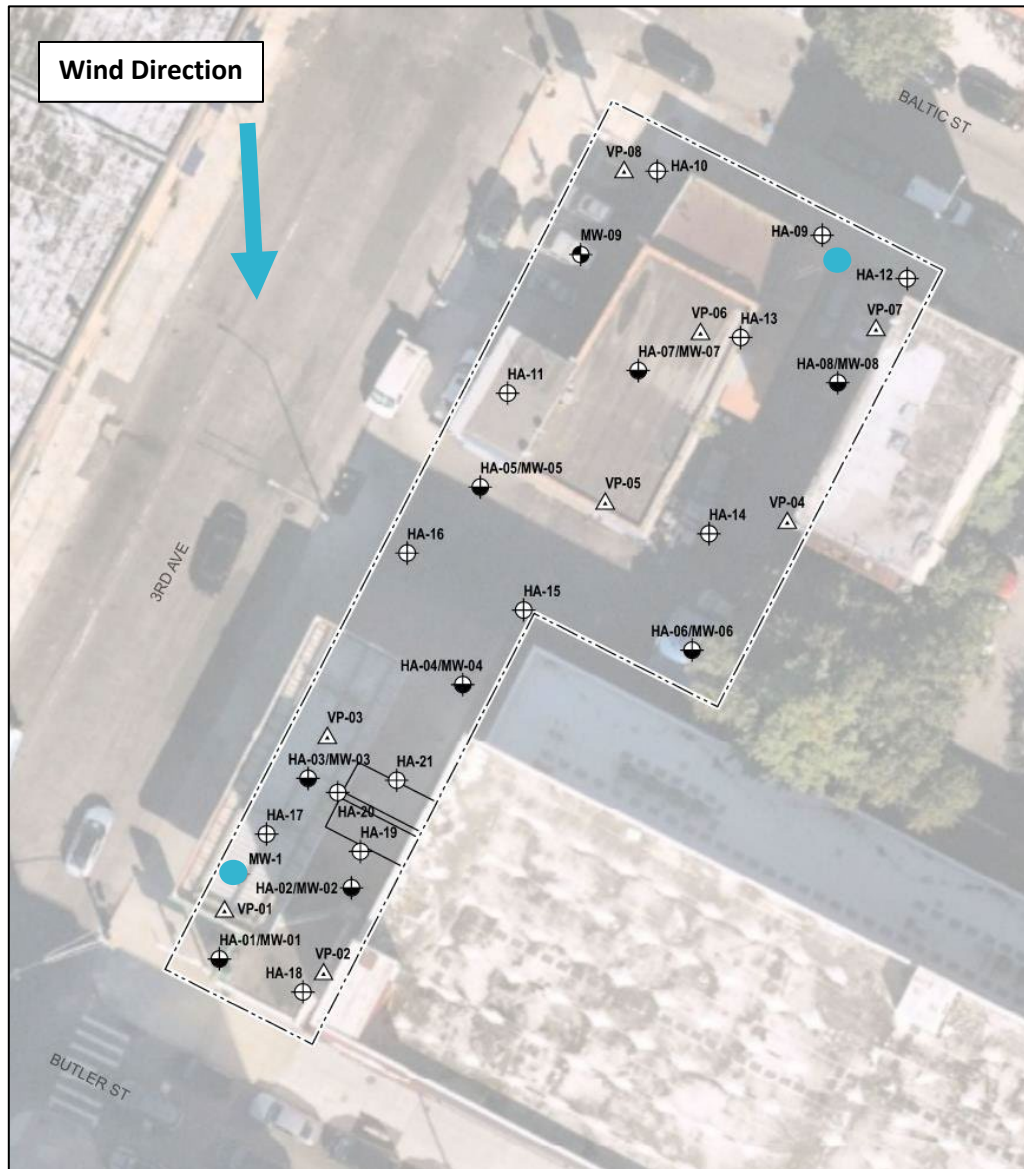
- Haley & Aldrich performed community air monitoring collecting upwind background readings and at a downwind location during ground-intrusive work. Community air monitoring included a MiniRae 3000 photoionization detector (PID) and olfactory observations to monitor volatile organic compounds (VOCs) and a DusTrak II and visual observations for dust particulate matter.
 - Upwind Background/Pre-Work Conditions
 - PID: 0.0 ppm
 - No visible dust
 - Maximum Downwind Work Conditions
 - PID: 0.1 ppm
 - No visible dust

- No 15-minute average concentrations of VOCs exceeded the action levels throughout the day. No visible dust or odors were observed leaving the site perimeter.

Activities Planned for Coming Week:

- Coastal will continue implementing the Remedial Investigation including soil borings, monitoring well installation and soil vapor point installation.

Site Map:



 CAMP Station

Site Photographs:

Photo 1: View of drilling activities.



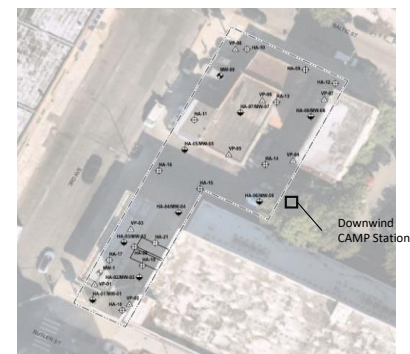
Photo 2: View of site conditions on southern portion of site and boring mark-out.

NYSDEC Site C224375
556 Baltic Street, Brooklyn, NY
Project No. 0204090
Daily Air Monitoring Log

Date: 2/1/2023
Personnel: S. Sotomayor, M. Boland
Weather: Partly Cloudy
Humidity: 51%
Temperature: 27-38°F
Wind Direction: S

PID Background (ppm): 0.0

Site Map:



Time	Visual Dust Particulates (Y/N)	Visual Dust Particulates (Y/N)	PID (ppm)		Odors (Y/N)	Notes/Comments
	Upwind	Downwind	Upwind	Downwind		
915	N	N	0.0	0.0	N	
930	N	N	0.0	0.0	N	
945	N	N	0.0	0.0	N	
1000	N	N	0.0	0.0	N	
1015	N	N	0.0	0.0	N	
1030	N	N	0.0	0.0	N	
1045	N	N	0.0	0.0	N	
1100	N	N	0.0	0.0	N	
1115	N	N	0.0	0.0	N	
1130	N	N	0.0	0.0	N	
1145	N	N	0.0	0.0	N	
1200	N	N	0.0	0.0	N	
1215	N	N	0.0	0.0	N	
1230	N	N	0.0	0.0	N	
1245	N	N	0.0	0.0	N	
1300	N	N	0.0	0.0	N	
1315	N	N	0.0	0.0	N	
1330	N	N	0.0	0.0	N	
1345	N	N	0.0	0.0	N	
1400	N	N	0.0	0.0	N	
1415	N	N	0.0	0.0	N	
1430	N	N	0.0	0.0	N	
1445	N	N	0.0	0.0	N	
1500	N	N	0.0	0.0	N	

DAILY FIELD REPORT

Project	556 Baltic Street	Report No.	002
NYSDEC BCP Site	C224375	Date	2/2/2023
Location	151-169 Third Avenue, Brooklyn, NY	File No.	0204090
Client	159 Third Realty LLC	Temperature	28-40°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	Wind Direction	South, 0-10 mph
Weather	Partly Cloudy	Personnel on Site	M. Boland, S. Sotomayor, E. Nunez
Humidity	55%	Time on Site	7:00am to 3:15pm

Haley & Aldrich of New York (Haley & Aldrich) was present to document the implementation of the Remedial Investigation Work Plan (RIWP) for the 556 Baltic Street (referred to as "159 Third Avenue" in previous investigations) BCP Site C224375, located at 151-169 Third Avenue. Site Observations are summarized below.

Daily Observations:

- Haley & Aldrich field personnel performed community air monitoring during the implementation of the activities in the approved Remedial Investigation Work Plan
- Coastal initiated sonic drilling rig (Eijkelpkamp CRS-XL-140 Duo) on the site
- Coastal completed installation of two borings (HA-04 & HA-05) to 20 feet below grade surface (ft bgs) and Haley & Aldrich collected soil samples in accordance with the RIWP
- Coastal completed installation of ten delineation borings centered on HA-24 to 10 feet below grade surface (ft bgs) and Haley & Aldrich collected soil samples in accordance with the RIWP
- Coastal completed installation of seven delineation borings centered on HA-25 to 20 feet below grade surface (ft bgs) and Haley & Aldrich collected soil samples in accordance with the RIWP
- Coastal completed installation of two monitoring wells (MW-04 and MW-05) at 20 ft bgs
- Coastal developed four monitoring wells (MW-04, MW-05, MW-06 & MW-08)

Samples Collected:

- Soil samples were collected from HA-04, HA-05, HA-24 (including DB-01AB, DB-02AB & DB-03AB), HA-25 (including DB-04AB & DB-05AB) in accordance with the RIWP
- One QA/QC Field Blank
- One Trip Blank
- All samples were submitted on ice in a cooler via courier to Alpha Analytical Laboratories, Inc. in Westborough, MA for analyses in accordance with the RIWP

CAMP Activities:

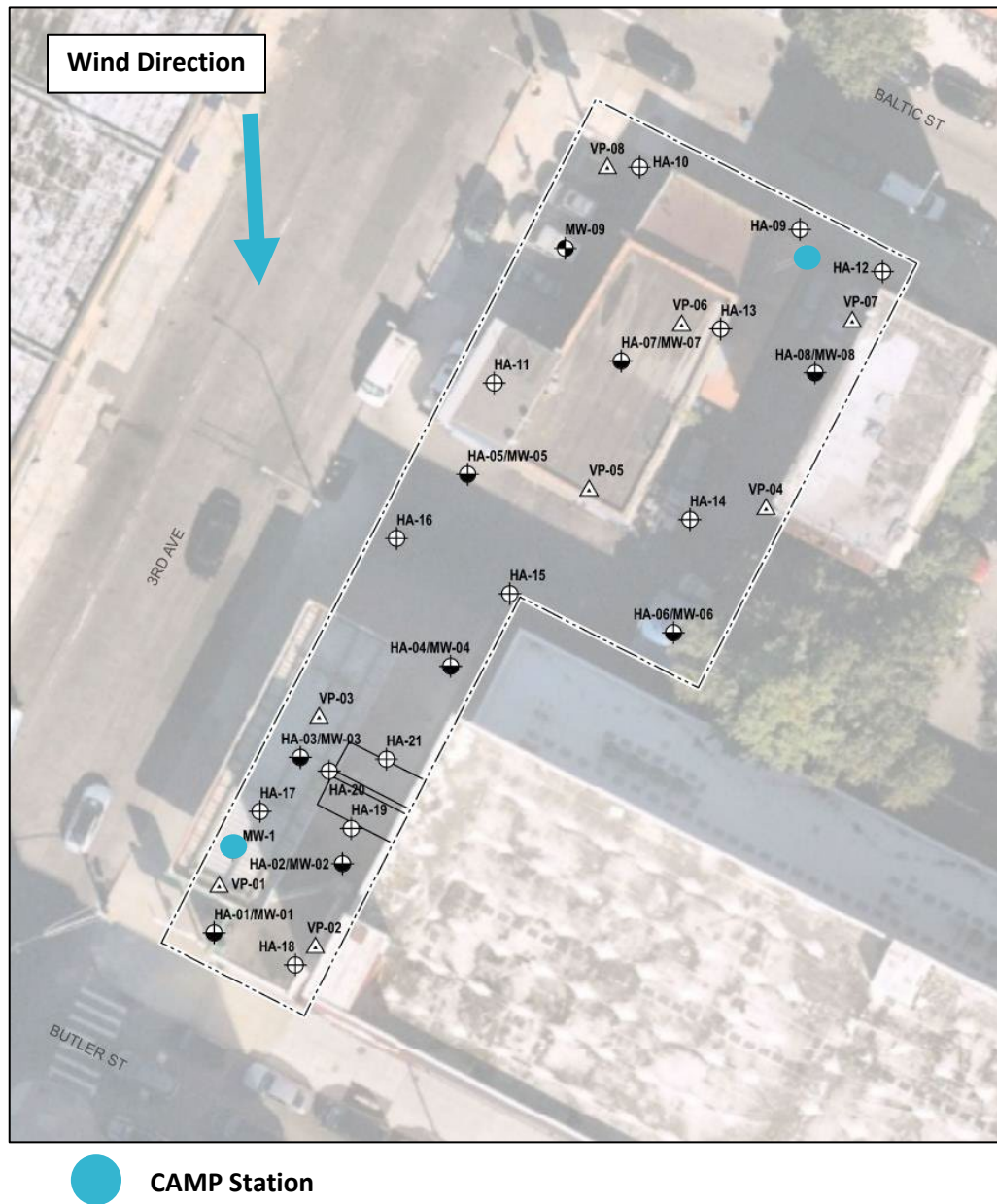
- Haley & Aldrich performed community air monitoring collecting upwind background readings and at a downwind location during ground-intrusive work. Community air monitoring included a MiniRae 3000 photoionization detector (PID) and olfactory observations to monitor volatile organic compounds (VOCs) and visual observations for dust particulate matter.

- Upwind Background/Pre-Work Conditions
 - PID: 0.2 ppm
 - No Visible Dust
- Maximum Downwind Work Conditions
 - PID: 0.1 ppm
 - No Visible Dust
- No 15-minute average concentrations of VOCs exceeded the action levels throughout the day. No visible dust or odors were observed leaving the site perimeter.

Activities Planned for Coming Week:

- Coastal will continue implementing the Remedial Investigation including soil borings, monitoring well installation and soil vapor point installation.

Site Map:



Site Photographs:



Photo 1: View of drilling activities and monitoring well installation.



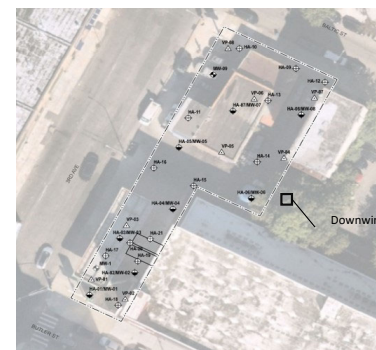
Photo 2: View of drilling activities.

NYSDEC Site C224375
556 Baltic Street, Brooklyn, NY
Project No. 0204090
Daily Air Monitoring Log

Date: 2/2/2023
Personnel: S. Sotomayor, M. Boland
Weather: Partly Cloudy
Humidity: 55%
Temperature: 28-40°F
Wind Direction: S

PID Background (ppm): 0.0

Site Map:



Time	Visual Dust Particulates (Y/N)	Visual Dust Particulates (Y/N)	PID (ppm)		Odors (Y/N)	Notes/Comments
	Upwind	Downwind	Upwind	Downwind		
830	N	N	0.0	0.0	N	
845	N	N	0.0	0.0	N	
900	N	N	0.0	0.0	N	
915	N	N	0.0	0.0	N	
930	N	N	0.0	0.0	N	
1000	N	N	0.0	0.0	N	
1015	N	N	0.0	0.0	N	
1030	N	N	0.0	0.0	N	
1045	N	N	0.0	0.0	N	
1100	N	N	0.0	0.0	N	
1115	N	N	0.0	0.0	N	
1130	N	N	0.0	0.0	N	
1145	N	N	0.0	0.1	N	
1200	N	N	0.0	0.0	N	
1215	N	N	0.0	0.0	N	
1230	N	N	0.0	0.0	N	
1245	N	N	0.0	0.0	N	
1300	N	N	0.0	0.0	N	
1315	N	N	0.0	0.0	N	
1330	N	N	0.0	0.0	N	
1345	N	N	0.0	0.0	N	
1400	N	N	0.0	0.0	N	
1415	N	N	0.0	0.0	N	
1430	N	N	0.0	0.1	N	

DAILY FIELD REPORT

Project	556 Baltic Street	Report No.	003
NYSDEC BCP Site	C224375	Date	2/3/2023
Location	151-169 Third Avenue, Brooklyn, NY	File No.	0204090
Client	159 Third Realty LLC	Temperature	13-26°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	Wind Direction	South, 0-20 mph
Weather	Partly Cloudy	Personnel on Site	M. Boland, S. Sotomayor, E. Nunez
Humidity	37%	Time on Site	7:00am to 2:00pm

Haley & Aldrich of New York (Haley & Aldrich) was present to document the implementation of the Remedial Investigation Work Plan (RIWP) for the 556 Baltic Street (referred to as "159 Third Avenue" in previous investigations) BCP Site C224375, located at 151-169 Third Avenue. Site Observations are summarized below.

Daily Observations:

- Haley & Aldrich field personnel performed community air monitoring during the implementation of the activities in the approved Remedial Investigation Work Plan.
- Coastal completed installation of one deep soil boring (HA-23) to 100 feet below grade surface (ft bgs) to investigate the potential for the presence of non-aqueous phase liquid/grossly contaminated material (NAPL/GCM). NAPL/GCM was not observed or encountered during the advancement of the boring and at the final completion depth of 100 ft bgs.
- Coastal demobilized the sonic drilling rig (Eijkelpkamp CRS-XL-140 Duo) from the site.

Samples Collected:

- N/A

CAMP Activities:

- Haley & Aldrich performed community air monitoring collecting upwind background readings and at a downwind location during ground-intrusive work. Community air monitoring included a MiniRae 3000 photoionization detector (PID) and olfactory observations to monitor volatile organic compounds (VOCs) and visual observations for dust particulate matter.
 - Upwind Background/Pre-Work Conditions
 - PID: 0.0 ppm
 - No Visible Dust
 - Maximum Downwind Work Conditions
 - PID: 0.1 ppm
 - No Visible Dust
- No 15-minute average concentrations of VOCs exceeded the action levels throughout the day. No visible dust or odors were observed leaving the site perimeter.

Activities Planned for Coming Week:

- Coastal will continue implementing the Remedial Investigation including soil borings, monitoring well installation and soil vapor point installation again starting on Wednesday February 8, 2023.

Site Map:



 **CAMP Station**

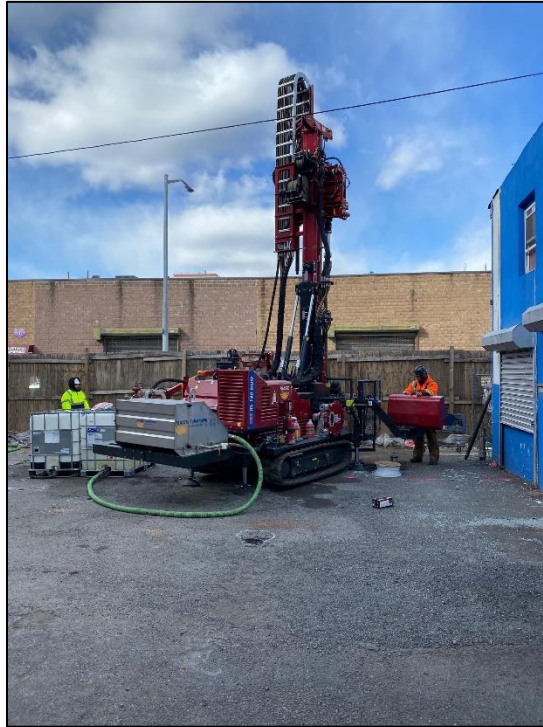
Site Photographs:

Photo 1: View of deep soil boring activities.



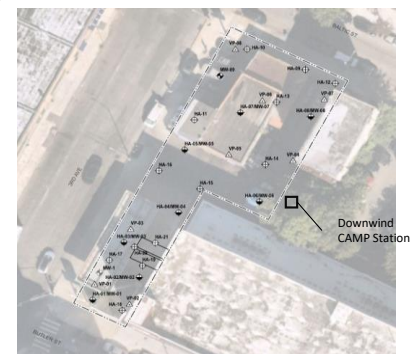
Photo 2: View of 10 to 20 ft bgs interval of deep soil boring HA-23.

NYSDEC Site C224375
556 Baltic Street, Brooklyn, NY
Project No. 0204090
Daily Air Monitoring Log

Date: 2/3/2023
Personnel: S. Sotomayor, M. Boland
Weather: Partly Cloudy
Humidity: 37%
Temperature: 13-26°F
Wind Direction: S

PID Background (ppm): 0.0

Site Map:



Time	Visual Dust Particulates (Y/N)	Visual Dust Particulates (Y/N)	PID (ppm)		Odors (Y/N)	Notes/Comments
	Upwind	Downwind	Upwind	Downwind		
830	N	N	0.0	0.0	N	
845	N	N	0.0	0.0	N	
900	N	N	0.0	0.0	N	
915	N	N	0.0	0.0	N	
930	N	N	0.0	0.0	N	
1000	N	N	0.0	0.0	N	
1015	N	N	0.0	0.0	N	
1030	N	N	0.0	0.0	N	
1045	N	N	0.0	0.0	N	
1100	N	N	0.0	0.1	N	
1115	N	N	0.0	0.0	N	
1130	N	N	0.0	0.0	N	
1145	N	N	0.0	0.1	N	
1200	N	N	0.0	0.0	N	
1215	N	N	0.0	0.0	N	
1230	N	N	0.0	0.0	N	
1245	N	N	0.0	0.1	N	
1300	N	N	0.0	0.1	N	
1315	N	N	0.0	0.0	N	
1330	N	N	0.0	0.0	N	
1345	N	N	0.0	0.1	N	
1400	N	N	0.0	0.0	N	

DAILY FIELD REPORT

Project	556 Baltic Street	Report No.	004
NYSDEC BCP Site	C224375	Date	2/8/2023
Location	151-169 Third Avenue, Brooklyn, NY	File No.	0204090
Client	159 Third Realty LLC	Temperature	48-50°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	Wind Direction	Northwest, 0-4 mph
Weather	Sunny	Personnel on Site	S. Sotomayor
Humidity	47%	Time on Site	7:00am to 3:30pm

Haley & Aldrich of New York (Haley & Aldrich) was present to document the implementation of the Remedial Investigation Work Plan (RIWP) for the 556 Baltic Street (referred to as "159 Third Avenue" in previous investigations) BCP Site C224375, located at 151-169 Third Avenue. Site Observations are summarized below.

Daily Observations:

- Haley & Aldrich field personnel performed community air monitoring during the implementation of the activities in the approved Remedial Investigation Work Plan.
- Coastal mobilized a 6610 Geoprobe™ to the site.
- Coastal completed installation of six borings (HA-01, HA-02, HA-10, HA-17, HA-19, and HA-21) to 20 feet below grade surface (ft bgs) and Haley & Aldrich collected soil samples in accordance with the RIWP.
- Coastal completed installation of three monitoring wells (MW-01, MW-02, and MW-09) at 20 ft bgs.

Samples Collected:

- Soil samples were collected from HA-01, HA-02, HA-10, HA-17, HA-19, and HA-21 in accordance with the RIWP
- One QA/QC MS/MSD and DUP
- One Trip Blank
- All samples were submitted on ice in a cooler via courier to Alpha Analytical Laboratories, Inc. in Westborough, MA for analyses in accordance with the RIWP

CAMP Activities:

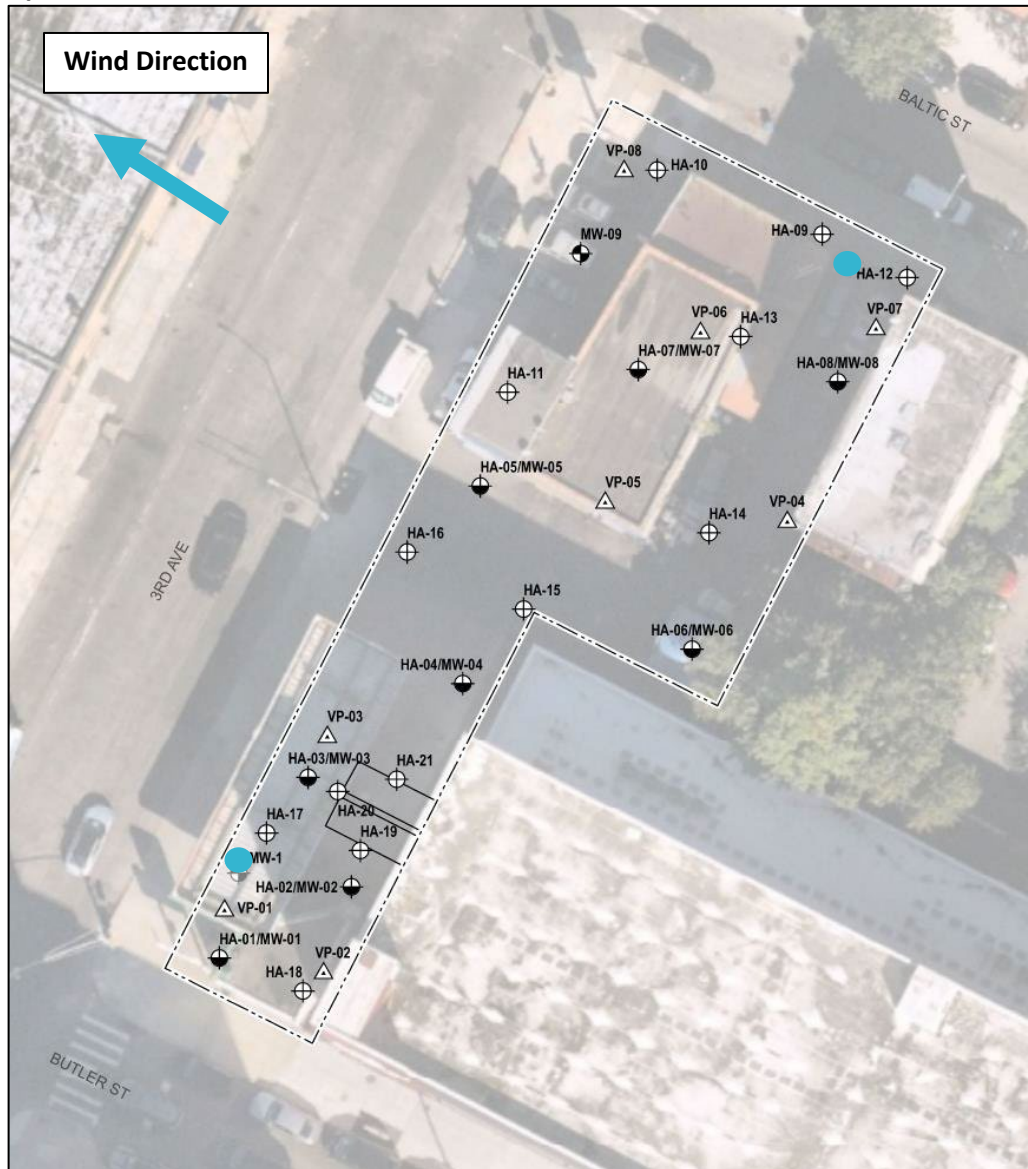
- Haley & Aldrich performed community air monitoring collecting upwind background readings and at a downwind location during ground-intrusive work. Community air monitoring included a MiniRae 3000 photoionization detector (PID) and olfactory observations to monitor volatile organic compounds (VOCs) and visual observations for dust particulate matter.
 - Upwind Background/Pre-Work Conditions
 - PID: 0.0 ppm
 - No Visible Dust
 - Maximum Downwind Work Conditions
 - PID: 0.1 ppm

- No Visible Dust
- No 15-minute average concentrations of VOCs exceeded the action levels throughout the day. No visible dust or odors were observed leaving the site perimeter.

Activities Planned for Coming Week:

- Coastal will continue implementing the Remedial Investigation including soil borings, monitoring well installation and soil vapor point installation on Thursday February 9, 2023.

Site Map:



 CAMP Station

Site Photographs:

Photo 1: View of HA-02/MW-02 soil boring drilling activities.



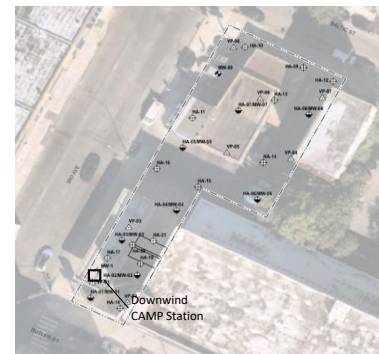
Photo 2: View of monitoring well installation MW-09.

NYSDEC Site C224375
556 Baltic Street, Brooklyn, NY
Project No. 0204090
Daily Air Monitoring Log

Date: 2/8/2023
Personnel: S. Sotomayor
Weather: Sunny
Humidity: 47%
Temperature: 48-50°F
Wind Direction: NW

PID Background (ppm): 0.0

Site Map:



Time	Visual Dust Particulates (Y/N)	Visual Dust Particulates (Y/N)	PID (ppm)		Odors (Y/N)	Notes/Comments
	Upwind	Downwind	Upwind	Downwind		
715	N	N	0.0	0.0	N	
730	N	N	0.0	0.0	N	
745	N	N	0.0	0.0	N	
800	N	N	0.0	0.0	N	
815	N	N	0.0	0.0	N	
830	N	N	0.0	0.0	N	
845	N	N	0.0	0.0	N	
900	N	N	0.0	0.0	N	
915	N	N	0.0	0.0	N	
930	N	N	0.0	0.1	N	
945	N	N	0.0	0.0	N	
1000	N	N	0.0	0.0	N	
1015	N	N	0.0	0.1	N	
1030	N	N	0.0	0.0	N	
1045	N	N	0.0	0.0	N	
1100	N	N	0.0	0.0	N	
1115	N	N	0.0	0.1	N	
1130	N	N	0.0	0.1	N	
1145	N	N	0.0	0.0	N	
1200	N	N	0.0	0.0	N	
1215	N	N	0.0	0.1	N	
1230	N	N	0.0	0.0	N	
1245	N	N	0.0	0.0	N	
1300	N	N	0.0	0	N	

NYSDEC Site C224375
556 Baltic Street, Brooklyn, NY
Project No. 0204090
Daily Air Monitoring Log

Time	Visual Dust Particulates (Y/N)	Visual Dust Particulates (Y/N)	PID (ppm)		Odors (Y/N)	Notes/Comments
	Upwind	Downwind	Upwind	Downwind		
1315	N	N	0	0	N	
1330	N	N	0	0	N	
1345	N	N	0	0	N	
1400	N	N	0	0	N	
1415	N	N	0	0	N	
1430	N	N	0	0	N	
1445	N	N	0	0	N	
1500	N	N	0	0	N	
1515	N	N	0	0	N	
1530	N	N	0	0	N	
1545	N	N	0	0	N	
1600	N	N	0	0	N	

DAILY FIELD REPORT

Project	556 Baltic Street	Report No.	005
NYSDEC BCP Site	C224375	Date	2/9/2023
Location	151-169 Third Avenue, Brooklyn, NY	File No.	0204090
Client	159 Third Realty LLC	Temperature	48-50°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	Wind Direction	Southeast, 0-9 mph
Weather	Sunny	Personnel on Site	S. Sotomayor, N. Mooney
Humidity	93%	Time on Site	7:00am to 3:30pm

Haley & Aldrich of New York (Haley & Aldrich) was present to document the implementation of the Remedial Investigation Work Plan (RIWP) for the 556 Baltic Street (referred to as "159 Third Avenue" in previous investigations) BCP Site C224375, located at 151-169 Third Avenue. Site Observations are summarized below.

Daily Observations:

- Haley & Aldrich field personnel performed community air monitoring during the implementation of the activities in the approved Remedial Investigation Work Plan.
- Coastal completed installation of six borings (HA-07, HA-09, HA-11, HA-12, DB-06, and DB-06B) to 20 feet below grade surface (ft bgs) and Haley & Aldrich collected soil samples in accordance with the RIWP.
- Coastal completed installation of five soil vapor points (VP-03, VP-04, VP-05, VP-07, and VP-08) to 12 feet below grade surface (ft bgs). Tubing was tied off and bentonite seal was installed on all points.
- A groundwater sample was collected from MW-06.

Samples Collected:

- Soil samples were collected from HA-07, HA-09, HA-11, HA-12, DB-06, and DB-06B in accordance with the RIWP
- One QA/QC MS/MSD for soil samples
- One Trip Blank for soil samples
- Groundwater samples were collected from MW-06
- One QA/QC MS/MSD and Duplicate for groundwater samples
- One Trip Blank for groundwater samples
- All samples were submitted on ice in a cooler via courier to Alpha Analytical Laboratories, Inc. in Westborough, MA for analyses in accordance with the RIWP

CAMP Activities:

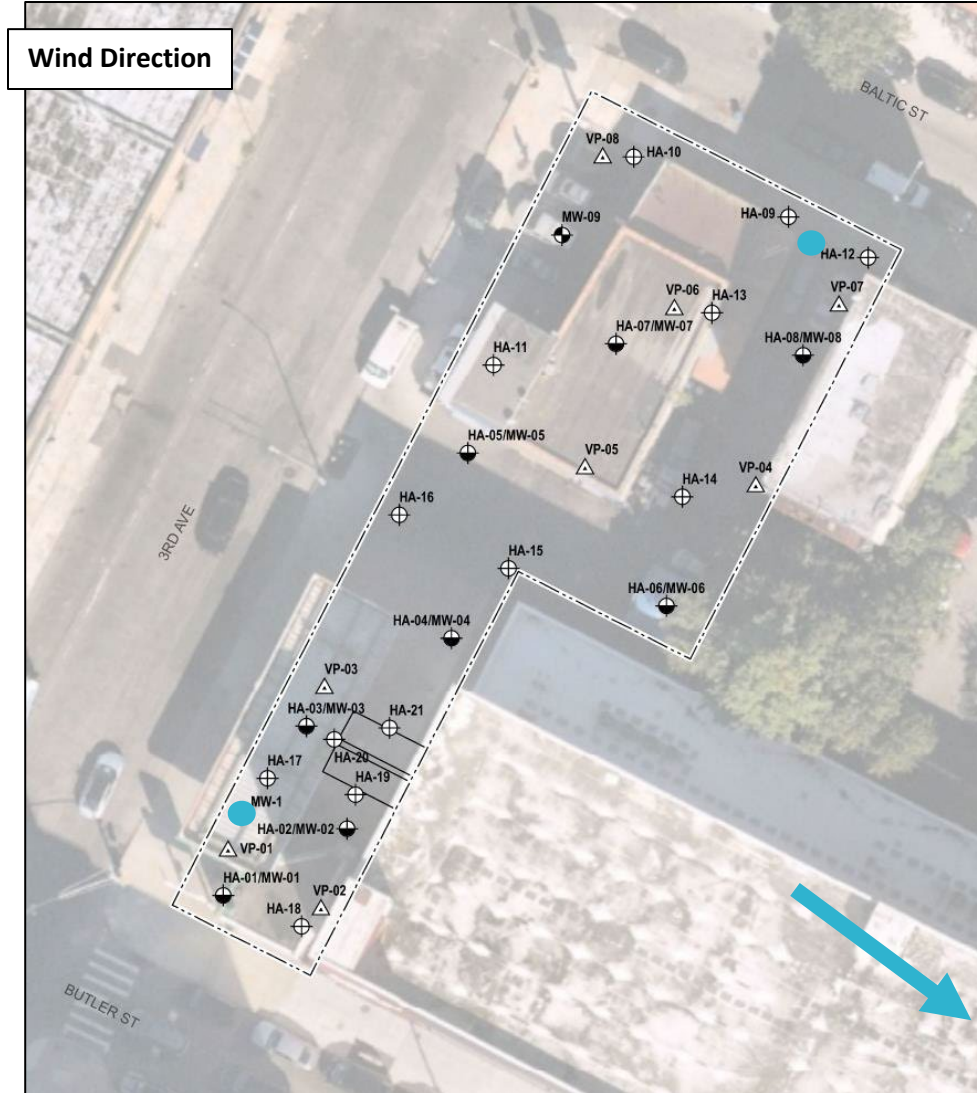
- Haley & Aldrich performed community air monitoring collecting upwind background readings and at a downwind location during ground-intrusive work. Community air monitoring included a MiniRae 3000 photoionization detector (PID) and olfactory observations to monitor volatile organic compounds (VOCs) and visual observations for dust particulate matter.
 - Upwind Background/Pre-Work Conditions

- PID: 0.0 ppm
 - No Visible Dust
- Maximum Downwind Work Conditions
 - PID: 0.0 ppm
 - No Visible Dust
- No 15-minute average concentrations of VOCs exceeded the action levels throughout the day. No visible dust or odors were observed leaving the site perimeter.

Activities Planned for Coming Week:

- Coastal will continue implementing the Remedial Investigation including soil borings, monitoring well installation and soil vapor point installation on Friday February 10, 2023.

Site Map:



 **CAMP Station**

Site Photographs:



Photo 1: View of HA-09 soil boring drilling activities.



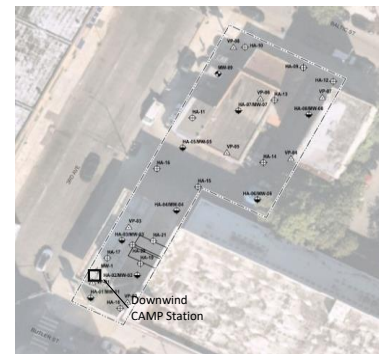
Photo 2: View of soil vapor point installation VP-05.

NYSDEC Site C224375
556 Baltic Street, Brooklyn, NY
Project No. 0204090
Daily Air Monitoring Log

Date: 2/9/2023
Personnel: S. Sotomayor
Weather: Sunny
Humidity: 93%
Temperature: 48-50°F
Wind Direction: SE

PID Background (ppm): 0.0

Site Map:



Time	Visual Dust Particulates (Y/N)	Visual Dust Particulates (Y/N)	PID (ppm)		Odors (Y/N)	Notes/Comments
	Upwind	Downwind	Upwind	Downwind		
715	N	N	0.0	0.0	N	
730	N	N	0.0	0.0	N	
745	N	N	0.0	0.0	N	
800	N	N	0.0	0.0	N	
815	N	N	0.0	0.0	N	
830	N	N	0.0	0.0	N	
845	N	N	0.0	0.0	N	
900	N	N	0.0	0.0	N	
915	N	N	0.0	0.0	N	
930	N	N	0.0	0.0	N	
945	N	N	0.0	0.0	N	
1000	N	N	0.0	0.0	N	
1015	N	N	0.0	0.0	N	
1030	N	N	0.0	0.0	N	
1045	N	N	0.0	0.0	N	
1100	N	N	0.0	0.0	N	
1115	N	N	0.0	0.0	N	
1130	N	N	0.0	0.0	N	
1145	N	N	0.0	0.0	N	
1200	N	N	0.0	0.0	N	
1215	N	N	0.0	0.0	N	
1230	N	N	0.0	0.0	N	
1245	N	N	0.0	0.0	N	
1300	N	N	0.0	0	N	

NYSDEC Site C224375
556 Baltic Street, Brooklyn, NY
Project No. 0204090
Daily Air Monitoring Log

Time	Visual Dust Particulates (Y/N)	Visual Dust Particulates (Y/N)	PID (ppm)	PID (ppm)	Odors (Y/N)	Notes/Comments
	Upwind	Downwind	Upwind	Downwind		
1315	N	N	0	0	N	
1330	N	N	0	0	N	
1345	N	N	0	0	N	
1400	N	N	0	0	N	
1415	N	N	0	0	N	
1430	N	N	0	0	N	
1445	N	N	0	0	N	
1500	N	N	0	0	N	
1515	N	N	0	0	N	
1530	N	N	0	0	N	
1545	N	N	0	0	N	
1600	N	N	0	0	N	

DAILY FIELD REPORT

Project	556 Baltic Street	Report No.	006
NYSDEC BCP Site	C224375	Date	2/10/2023
Location	151-169 Third Avenue, Brooklyn, NY	File No.	0204090
Client	159 Third Realty LLC	Temperature	57-58°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	Wind Direction	West, 20-28 mph
Weather	Partly Cloudy	Personnel on Site	S. Sotomayor, N. Mooney, N. Mangione
Humidity	32%	Time on Site	7:00am to 3:45pm

Haley & Aldrich of New York (Haley & Aldrich) was present to document the implementation of the Remedial Investigation Work Plan (RIWP) for the 556 Baltic Street (referred to as "159 Third Avenue" in previous investigations) BCP Site C224375, located at 151-169 Third Avenue. Site Observations are summarized below.

Daily Observations:

- Haley & Aldrich field personnel performed community air monitoring during the implementation of the activities in the approved Remedial Investigation Work Plan.
- Coastal completed installation of HA-03 and HA-20 to 20 feet below grade surface (ft bgs) and borings HA-26, DB-07, DB-07A, DB-07B, DB-09, DB09A, and DB09B to 17 ft bgs.
- Haley & Aldrich completed sampling of five soil vapor points (VP-03, VP-04, VP-05, VP-07, and VP-08) with 2.7L Summa canisters fitted with 2-hour flow controllers.
- Coastal completed installation of one monitoring well (MW-03) at 20 ft bgs.
- Groundwater samples were collected from MW-02, MW-04, MW-05, and MW-08.

Samples Collected:

Soil

- Soil samples were collected from HA-03, HA-20, HA-26, DB-07, DB-07A, DB-07B, DB-09, DB09A, and DB09B in accordance with the RIWP
- Two QA/QC MS/MSD, Duplicates and Field Blanks for soil samples
- One Trip Blank for soil samples

Groundwater

- Groundwater samples were collected from MW-02, MW-04, MW-05, and MW-08 in accordance with the RIWP
- One QA/QC MS/MSD Field Blank for groundwater samples
- One Trip Blank for groundwater samples

Soil Vapor

- Soil vapor samples were collected from VP-03, VP-04, VP-05, VP-07, and VP-08 in accordance with the RIWP
- All samples were submitted on ice in a cooler via courier to Alpha Analytical Laboratories, Inc. in Westborough, MA for analyses in accordance with the RIWP

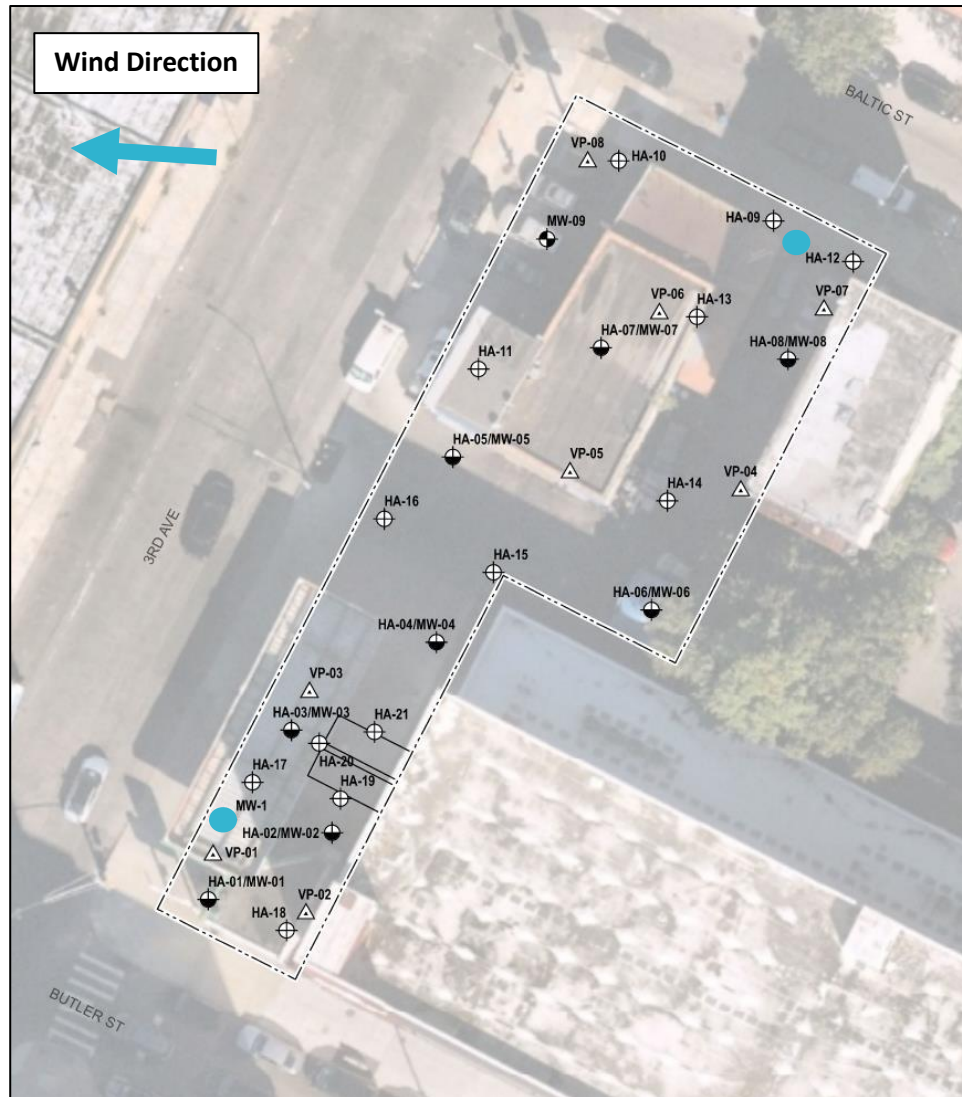
CAMP Activities:

- Haley & Aldrich performed community air monitoring collecting upwind background readings and at a downwind location during ground-intrusive work. Community air monitoring included a MiniRae 3000 photoionization detector (PID) and olfactory observations to monitor volatile organic compounds (VOCs) and visual observations for dust particulate matter.
 - Upwind Background/Pre-Work Conditions
 - PID: 0.0 ppm
 - No Visible Dust
 - Maximum Downwind Work Conditions
 - PID: 0.0 ppm
 - No Visible Dust
- No 15-minute average concentrations of VOCs exceeded the action levels throughout the day. No visible dust or odors were observed leaving the site perimeter.

Activities Planned for Coming Week:

- Coastal will continue implementing the Remedial Investigation including soil borings, soil vapor point installation, and soil and soil vapor sampling on Monday February 13, 2023.

Site Map:



 CAMP Station

Site Photographs:

Photo 1: View of HA-26 soil boring drilling activities.



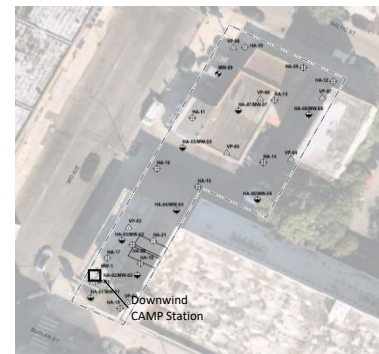
Photo 2: View of MW-05 groundwater sampling activities.

NYSDEC Site C224375
556 Baltic Street, Brooklyn, NY
Project No. 0204090
Daily Air Monitoring Log

Date: 2/10/2023
Personnel: S. Sotomayor
Weather: Partly Cloudy
Humidity: 32%
Temperature: 57-58°F
Wind Direction: W

PID Background (ppm): 0.0

Site Map:



Time	Visual Dust Particulates (Y/N)	Visual Dust Particulates (Y/N)	PID (ppm)		Odors (Y/N)	Notes/Comments
	Upwind	Downwind	Upwind	Downwind		
715	N	N	0.0	0.0	N	
730	N	N	0.0	0.0	N	
745	N	N	0.0	0.0	N	
800	N	N	0.0	0.0	N	
815	N	N	0.0	0.0	N	
830	N	N	0.0	0.0	N	
845	N	N	0.0	0.0	N	
900	N	N	0.0	0.0	N	
915	N	N	0.0	0.0	N	
930	N	N	0.0	0.0	N	
945	N	N	0.0	0.0	N	
1000	N	N	0.0	0.0	N	
1015	N	N	0.0	0.0	N	
1030	N	N	0.0	0.0	N	
1045	N	N	0.0	0.0	N	
1100	N	N	0.0	0.0	N	
1115	N	N	0.0	0.0	N	
1130	N	N	0.0	0.0	N	
1145	N	N	0.0	0.0	N	
1200	N	N	0.0	0.0	N	
1215	N	N	0.0	0.0	N	
1230	N	N	0.0	0.0	N	
1245	N	N	0.0	0.0	N	
1300	N	N	0.0	0	N	

NYSDEC Site C224375
556 Baltic Street, Brooklyn, NY
Project No. 0204090
Daily Air Monitoring Log

Time	Visual Dust Particulates (Y/N)	Visual Dust Particulates (Y/N)	PID (ppm)		Odors (Y/N)	Notes/Comments
	Upwind	Downwind	Upwind	Downwind		
1315	N	N	0	0	N	
1330	N	N	0	0	N	
1345	N	N	0	0	N	
1400	N	N	0	0	N	
1415	N	N	0	0	N	
1430	N	N	0	0	N	
1445	N	N	0	0	N	
1500	N	N	0	0	N	
1515	N	N	0	0	N	
1530	N	N	0	0	N	
1545	N	N	0	0	N	

DAILY FIELD REPORT

Project	556 Baltic Street	Report No.	007
NYSDEC BCP Site	C224375	Date	2/13/2023
Location	151-169 Third Avenue, Brooklyn, NY	File No.	0204090
Client	159 Third Realty LLC	Temperature	55-57°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	Wind Direction	South, 5-9 mph
Weather	Partly Cloudy	Personnel on Site	S. Sotomayor
Humidity	46%	Time on Site	7:00am to 3:30pm

Haley & Aldrich of New York (Haley & Aldrich) was present to document the implementation of the Remedial Investigation Work Plan (RIWP) for the 556 Baltic Street (referred to as "159 Third Avenue" in previous investigations) BCP Site C224375, located at 151-169 Third Avenue. Site Observations are summarized below.

Daily Observations:

- Haley & Aldrich field personnel performed community air monitoring during the implementation of the activities in the approved Remedial Investigation Work Plan.
- Coastal completed soil borings HA-13 and HA-18 to 20 feet below grade surface (ft bgs)
- Haley & Aldrich completed sampling of three soil vapor points (VP-01, VP-02, VP-06) with 2.7L Summa canisters fitted with 2-hour flow controllers.

Samples Collected:

Soil

- Soil samples were collected from HA-13 and HA-18 in accordance with the RIWP
- One QA/QC MS/MSD, and one Duplicate for soil samples
- One Trip Blank for soil samples

Soil Vapor

- Soil vapor samples were collected from VP-01, VP-02, and VP-06 in accordance with the RIWP
- All samples were submitted on ice in a cooler via courier to Alpha Analytical Laboratories, Inc. in Westborough, MA for analyses in accordance with the RIWP

CAMP Activities:

- Haley & Aldrich performed community air monitoring collecting upwind background readings and at a downwind location during ground-intrusive work. Community air monitoring included a MiniRae 3000 photoionization detector (PID) and olfactory observations to monitor volatile organic compounds (VOCs) and visual observations for dust particulate matter.

- Upwind Background/Pre-Work Conditions
 - PID: 0.0 ppm
 - No Visible Dust
- Maximum Downwind Work Conditions
 - PID: 0.0 ppm
 - No Visible Dust
- No 15-minute average concentrations of VOCs exceeded the action levels throughout the day. No visible dust or odors were observed leaving the site perimeter.

Activities Planned for Coming Week:

- DPK Surveying will survey monitoring wells and site features on February 16, 2023.
- Haley & Aldrich will remobilize to Site and continue implementing the Remedial Investigation groundwater sampling on February 16 & 17, 2023.
- Synoptic groundwater levels will be collected on February 16, 2023.
- Coastal will re-mobilize the Sonic drilling rig to the site to complete HA-22 to complete the NAPL GCM investigation component of the RIWP (Date TBD).

An aerial photograph of the study area, showing a large rectangular area outlined with a dashed white line. The area is bounded by 3RD AVE to the west and BUTLER ST to the south. A large blue arrow in the top left corner points south, labeled "Wind Direction". The map shows various buildings, streets, and green spaces. Numerous monitoring stations are marked with symbols and labels: HA-01/MW-01, HA-02/MW-02, VP-01, HA-03/MW-03, VP-02, HA-04/MW-04, VP-03, HA-05/MW-05, HA-06/MW-06, VP-04, HA-07/MW-07, VP-05, HA-08/MW-08, VP-06, HA-09, VP-07, HA-10, VP-08, HA-11, HA-12, HA-13, HA-14, HA-15, HA-16, HA-17, HA-18, HA-19, HA-20, HA-21, MW-09, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22, MW-23, MW-24, MW-25, MW-26, MW-27, MW-28, MW-29, MW-30, MW-31, MW-32, MW-33, MW-34, MW-35, MW-36, MW-37, MW-38, MW-39, MW-40, MW-41, MW-42, MW-43, MW-44, MW-45, MW-46, MW-47, MW-48, MW-49, MW-50, MW-51, MW-52, MW-53, MW-54, MW-55, MW-56, MW-57, MW-58, MW-59, MW-60, MW-61, MW-62, MW-63, MW-64, MW-65, MW-66, MW-67, MW-68, MW-69, MW-70, MW-71, MW-72, MW-73, MW-74, MW-75, MW-76, MW-77, MW-78, MW-79, MW-80, MW-81, MW-82, MW-83, MW-84, MW-85, MW-86, MW-87, MW-88, MW-89, MW-90, MW-91, MW-92, MW-93, MW-94, MW-95, MW-96, MW-97, MW-98, MW-99, MW-100. The stations are distributed throughout the area, with a higher concentration in the central and southern parts. The map also shows surrounding streets, including 3RD AVE and BUTLER ST, and various buildings and green spaces.

Page 3 of 4

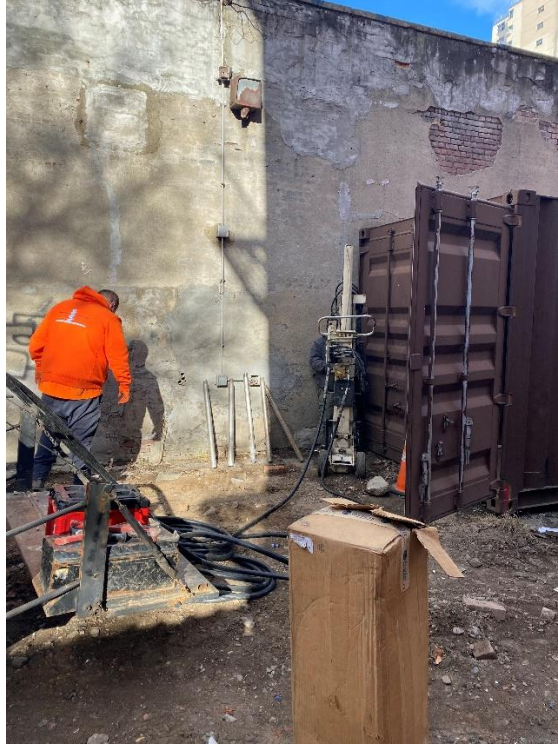
Site Photographs:

Photo 1: View of HA-13 soil boring drilling activities.



Photo 2: View of VP-02 soil vapor sampling activities.

NYSDEC Site C224375
556 Baltic Street, Brooklyn, NY
Project No. 0204090
Daily Air Monitoring Log

Date: 2/13/2023

Personnel: S. Sotomayor

Weather: Partly Cloudy

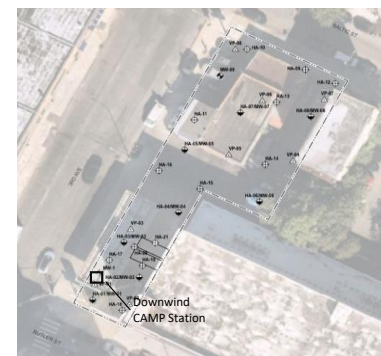
Humidity: 46%

Temperature: 55-57°F

Wind Direction: S

PID Background (ppm): 0.0

Site Map:



Time	Visual Dust Particulates (Y/N)	Visual Dust Particulates (Y/N)	PID (ppm)		Odors (Y/N)	Notes/Comments
	Upwind	Downwind	Upwind	Downwind		
715	N	N	0.0	0.0	N	
730	N	N	0.0	0.0	N	
745	N	N	0.0	0.0	N	
800	N	N	0.0	0.0	N	
815	N	N	0.0	0.0	N	
830	N	N	0.0	0.0	N	
845	N	N	0.0	0.0	N	
900	N	N	0.0	0.0	N	
915	N	N	0.0	0.0	N	
930	N	N	0.0	0.0	N	
945	N	N	0.0	0.0	N	
1000	N	N	0.0	0.0	N	
1015	N	N	0.0	0.0	N	
1030	N	N	0.0	0.0	N	
1045	N	N	0.0	0.0	N	
1100	N	N	0.0	0.0	N	
1115	N	N	0.0	0.0	N	
1130	N	N	0.0	0.0	N	
1145	N	N	0.0	0.0	N	
1200	N	N	0.0	0.0	N	
1215	N	N	0.0	0.0	N	
1230	N	N	0.0	0.0	N	
1245	N	N	0.0	0.0	N	
1300	N	N	0.0	0	N	

NYSDEC Site C224375
556 Baltic Street, Brooklyn, NY
Project No. 0204090
Daily Air Monitoring Log

Time	Visual Dust Particulates (Y/N)	Visual Dust Particulates (Y/N)	PID (ppm)		Odors (Y/N)	Notes/Comments
	Upwind	Downwind	Upwind	Downwind		
1315	N	N	0	0	N	
1330	N	N	0	0	N	
1345	N	N	0	0	N	
1400	N	N	0	0	N	
1415	N	N	0	0	N	
1430	N	N	0	0	N	
1445	N	N	0	0	N	
1500	N	N	0	0	N	
1515	N	N	0	0	N	
1530	N	N	0	0	N	
1545	N	N	0	0	N	

DAILY FIELD REPORT

Project	556 Baltic Street	Report No.	008
NYSDEC BCP Site	C224375	Date	2/16/2023
Location	151-169 Third Avenue, Brooklyn, NY	File No.	0204090
Client	159 Third Realty LLC	Temperature	58-62°F
Contractor	DPK Consulting (DPK) - Surveyor	Wind Direction	North, 0-2 mph
Weather	Partly Cloudy	Personnel on Site	S. Sotomayor
Humidity	57%	Time on Site	7:00am to 2:00pm

Haley & Aldrich of New York (Haley & Aldrich) was present to document the implementation of the Remedial Investigation Work Plan (RIWP) for the 556 Baltic Street (referred to as "159 Third Avenue" in previous investigations) BCP Site C224375, located at 151-169 Third Avenue. Site Observations are summarized below.

Daily Observations:

- Haley & Aldrich completed a round of synoptic groundwater level gauging from all installed wells on site.
- Haley & Aldrich completed groundwater sampling of the four remaining wells (MW-01, MW-03, MW-07, and MW-09).
- DPK Consulting was on site to survey all monitoring well points.

Samples Collected:

Groundwater

- Groundwater samples were collected from MW-01, MW-03, MW-07, and MW-09 in accordance with the RIWP
- One Trip Blank for groundwater samples

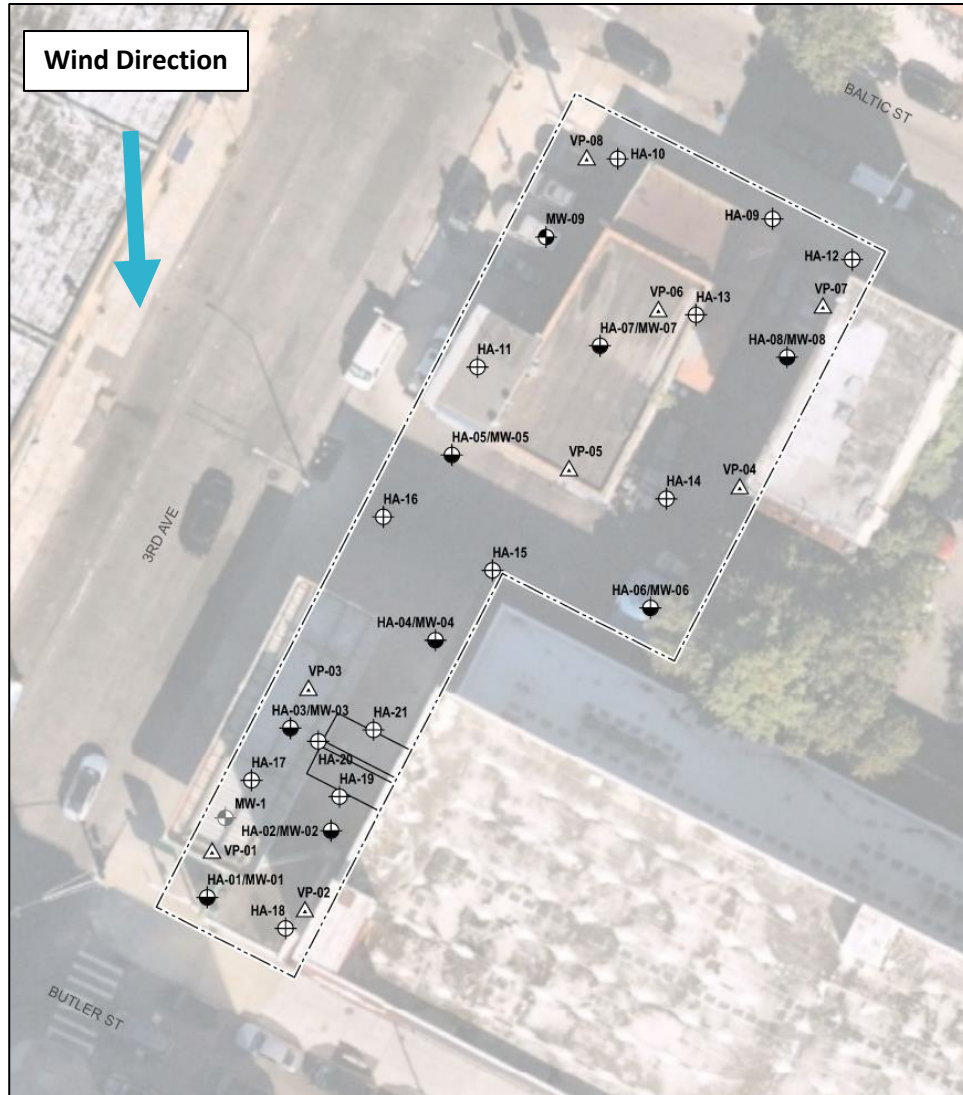
CAMP Activities:

- Community air monitoring was not performed on site as there was no intrusive work completed.

Activities Planned for Coming Week:

- Coastal will re-mobilize the Sonic drilling rig to the site to complete HA-22 to finalize the NAPL GCM investigation component of the RIWP (Date TBD).

Site Map:



Site Photographs:



Photo 1: View of MW-03.

DAILY FIELD REPORT

Project	556 Baltic Street	Report No.	009
NYSDEC BCP Site	C224375	Date	2/27/2023
Location	151-169 Third Avenue, Brooklyn, NY	File No.	0204090
Client	159 Third Realty LLC	Temperature	28-38°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	Wind Direction	West, 0-10 mph
Weather	Partly Cloudy	Personnel on Site	L. McCartney, H. Russell, A. Stewart
Humidity	25%	Time on Site	7:00am to 2:00pm

Haley & Aldrich of New York (Haley & Aldrich) was present to document the implementation of the Remedial Investigation Work Plan (RIWP) for the 556 Baltic Street (referred to as "159 Third Avenue" in previous investigations) BCP Site C224375, located at 151-169 Third Avenue. Site Observations are summarized below.

Daily Observations:

- Haley & Aldrich field personnel performed community air monitoring during the implementation of the activities in the approved Remedial Investigation Work Plan.
- Coastal completed installation of one deep soil boring (HA-22) to 100 feet below grade surface (ft bgs) to investigate the potential for the presence of non-aqueous phase liquid/grossly contaminated material (NAPL/GCM). NAPL/GCM was not observed or encountered during the advancement of the boring and at the final completion depth of 100 ft bgs.
- Coastal demobilized the sonic drilling rig (Eijkelpkamp CRS-XL-140 Duo) from the site.

Samples Collected:

- N/A

CAMP Activities:

- Haley & Aldrich performed community air monitoring collecting upwind background readings and at a downwind location during ground-intrusive work. Community air monitoring included a MiniRae 3000 photoionization detector (PID) and olfactory observations to monitor volatile organic compounds (VOCs) and visual observations for dust particulate matter.
 - Upwind Background/Pre-Work Conditions
 - PID: 0.0 ppm
 - No Visible Dust
 - Maximum Downwind Work Conditions
 - PID: 0.0 ppm
 - No Visible Dust
- No 15-minute average concentrations of VOCs exceeded the action levels throughout the day. No visible dust or odors were observed leaving the site perimeter.

Activities Planned for Coming Week:

- Remedial Investigation activities are complete.

Site Map:



 **CAMP Station**

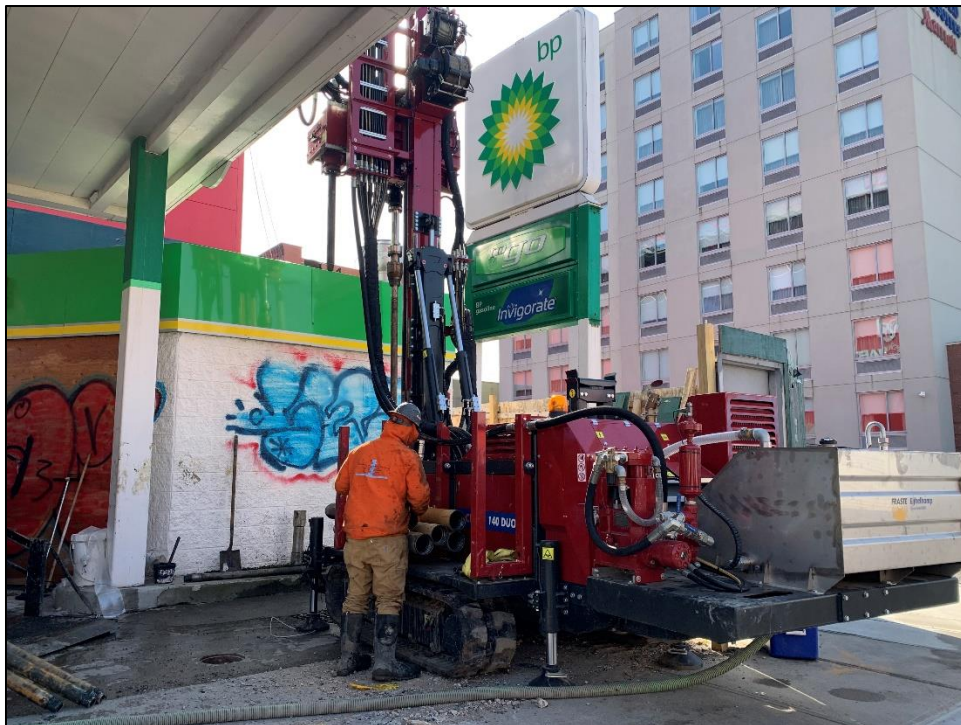
Site Photographs:

Photo 1: View of deep soil boring activities at HA-22.



Photo 2: View of 90 to 100 ft bgs interval of deep soil boring HA-22.

NYSDEC Site C224375
556 Baltic Street, Brooklyn, NY
Project No. 0204090
Daily Air Monitoring Log

Date: <u>2/27/2023</u> Personnel: <u>L. McCartney</u> Weather: <u>Partly Cloudy</u> Humidity: <u>25%</u> Temperature: <u>28-38°F</u> Wind Direction: <u>W</u>					Site Map: 	
PID Background (ppm): <u>0.0</u>						

Time	Visual Dust Particulates (Y/N)	Visual Dust Particulates (Y/N)	PID (ppm)		Odors (Y/N)	Notes/Comments
	Upwind	Downwind	Upwind	Downwind		
715	N	N	0.0	0.0	N	
730	N	N	0.0	0.0	N	
745	N	N	0.0	0.0	N	
800	N	N	0.0	0.0	N	
815	N	N	0.0	0.0	N	
830	N	N	0.0	0.0	N	
845	N	N	0.0	0.0	N	
900	N	N	0.0	0.0	N	
915	N	N	0.0	0.0	N	
930	N	N	0.0	0.0	N	
945	N	N	0.0	0.0	N	
1000	N	N	0.0	0.0	N	
1015	N	N	0.0	0.0	N	
1030	N	N	0.0	0.0	N	
1045	N	N	0.0	0.0	N	
1100	N	N	0.0	0.0	N	
1115	N	N	0.0	0.0	N	
1130	N	N	0.0	0.0	N	
1145	N	N	0.0	0.0	N	
1200	N	N	0.0	0.0	N	
1215	N	N	0.0	0.0	N	
1230	N	N	0.0	0.0	N	
1245	N	N	0.0	0.0	N	
1300	N	N	0.0	0	N	
1315	N	N	0	0	N	
1330	N	N	0	0	N	
1345	N	N	0	0	N	
1400	N	N	0	0	N	

DAILY FIELD REPORT

Project	556 Baltic Street	Report No.	010
NYSDEC BCP Site	C224375	Date	6/02/2023
Location	151-169 Third Avenue, Brooklyn, NY	File No.	0204090
Client	159 Third Realty LLC	Temperature	65-88°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	Wind Direction	NE to SW, 0-10 mph
Weather	Partly Cloudy	Personnel on Site	Z. Simmel, M. Cal
Humidity	51%	Time on Site	7:00am to 2:00pm

Haley & Aldrich of New York (Haley & Aldrich) was present to document the implementation of the Remedial Investigation Work Plan (RIWP) for the 556 Baltic Street (referred to as "159 Third Avenue" in previous investigations) BCP Site C224375, located at 151-169 Third Avenue. Site Observations are summarized below.

Daily Observations:

- Haley & Aldrich field personnel performed community air monitoring during the implementation of the activities in the approved Remedial Investigation Work Plan.
- Coastal completed installation of one offsite soil vapor point.
- Coastal completed installation of delineation borings for soil mercury delineation soil samples as per the RIWP (samples disposed of at laboratory prior to analysis).
- Coastal demobilized from the Site.

Samples Collected:

- Delineation samples from DB-07 and DB-09
- VP-10

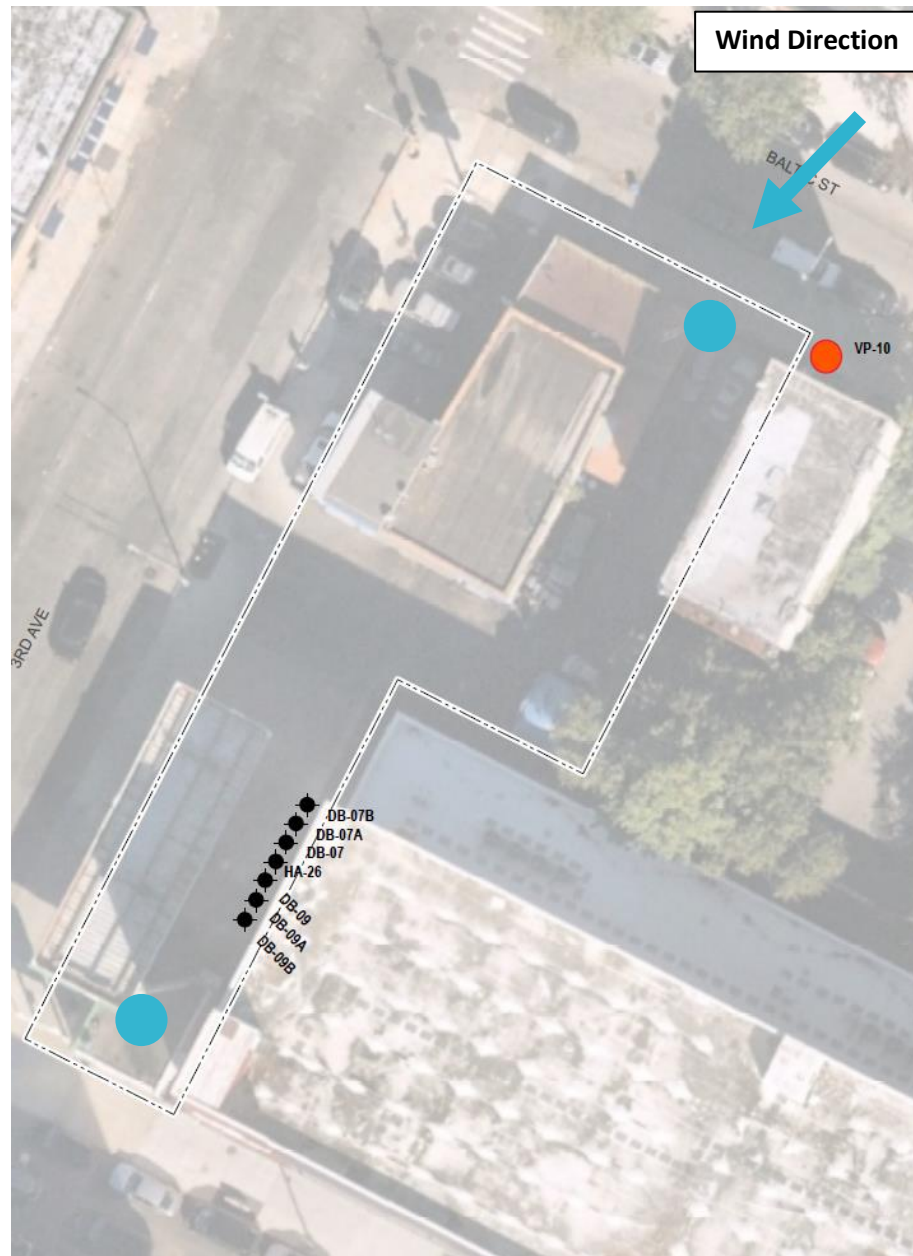
CAMP Activities:

- Haley & Aldrich performed community air monitoring collecting upwind background readings and at a downwind location during ground-intrusive work. Community air monitoring included a MiniRae 3000 photoionization detector (PID) and olfactory observations to monitor volatile organic compounds (VOCs) and visual observations for dust particulate matter.
 - Upwind Background/Pre-Work Conditions
 - PID: 0.0 ppm
 - No Visible Dust
 - Maximum Downwind Work Conditions
 - PID: 0.0 ppm
 - No Visible Dust
- No 15-minute average concentrations of VOCs exceeded the action levels throughout the day. No visible dust or odors were observed leaving the site perimeter.

Activities Planned for Coming Week:

- Additional offsite soil vapor sampling point pending area access (utility work in neighborhood)

Site Map:



 **CAMP Station**

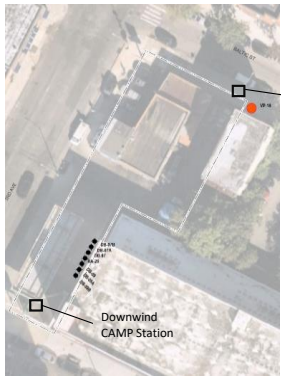
Site Photographs:

Photo 1: View of delineation boring installation, facing east.



Photo 2: View of SUMMA canister preparation.

NYSDEC Site C224375
556 Baltic Street, Brooklyn, NY
Project No. 0204090
Daily Air Monitoring Log

Date: <u>6/2/2023</u> Personnel: <u>Z. Simmel, M. Cal</u> Weather: <u>Partly Cloudy</u> Humidity: <u>51%</u> Temperature: <u>65-88°F</u> Wind Direction: <u>NE to SW</u>	Site Map: 
PID Background (ppm): <u>0.0</u>	

Time	Visual Dust Particulates (Y/N)	Visual Dust Particulates (Y/N)	PID (ppm)		Odors (Y/N)	Notes/Comments
	Upwind	Downwind	Upwind	Downwind		
715	N	N	0.0	0.0	N	
730	N	N	0.0	0.0	N	
745	N	N	0.0	0.0	N	
800	N	N	0.0	0.0	N	
815	N	N	0.0	0.0	N	
830	N	N	0.0	0.0	N	
845	N	N	0.0	0.0	N	
900	N	N	0.0	0.0	N	
915	N	N	0.0	0.0	N	
930	N	N	0.0	0.0	N	
945	N	N	0.0	0.0	N	
1000	N	N	0.0	0.0	N	
1015	N	N	0.0	0.0	N	
1030	N	N	0.0	0.0	N	
1045	N	N	0.0	0.0	N	
1100	N	N	0.0	0.0	N	
1115	N	N	0.0	0.0	N	
1130	N	N	0.0	0.0	N	
1145	N	N	0.0	0.0	N	
1200	N	N	0.0	0.0	N	
1215	N	N	0.0	0.0	N	
1230	N	N	0.0	0.0	N	
1245	N	N	0.0	0.0	N	
1300	N	N	0.0	0.0	N	
1315	N	N	0.0	0.0	N	
1330	N	N	0.0	0.0	N	
1345	N	N	0.0	0.0	N	
1400	N	N	0.0	0.0	N	

DAILY FIELD REPORT

Project	556 Baltic Street	Report No.	011
NYSDEC BCP Site	C224375	Date	6/08/2023
Location	151-169 Third Avenue, Brooklyn, NY	File No.	0204090
Client	159 Third Realty LLC	Temperature	55-74°F
Contractor	Coastal Environmental Solutions, Inc. (Coastal)	Wind Direction	NW to SE, 0-10 mph
Weather	Sunny	Personnel on Site	N. Mooney, L. McCartney
Humidity	56%	Time on Site	8:15am to 12:40pm

Haley & Aldrich of New York (Haley & Aldrich) was present to document the implementation of the Remedial Investigation Work Plan (RIWP) for the 556 Baltic Street (referred to as "159 Third Avenue" in previous investigations) BCP Site C224375, located at 151-169 Third Avenue. Site Observations are summarized below.

Daily Observations:

- Haley & Aldrich field personnel performed community air monitoring during the implementation of the activities in the approved Remedial Investigation Work Plan.
- Coastal completed installation of one offsite soil vapor point. VP-09 was relocated approximately 5 ft to the northwest due to utility clearance requirements.
- Coastal demobilized from the Site.

Samples Collected:

- VP-09

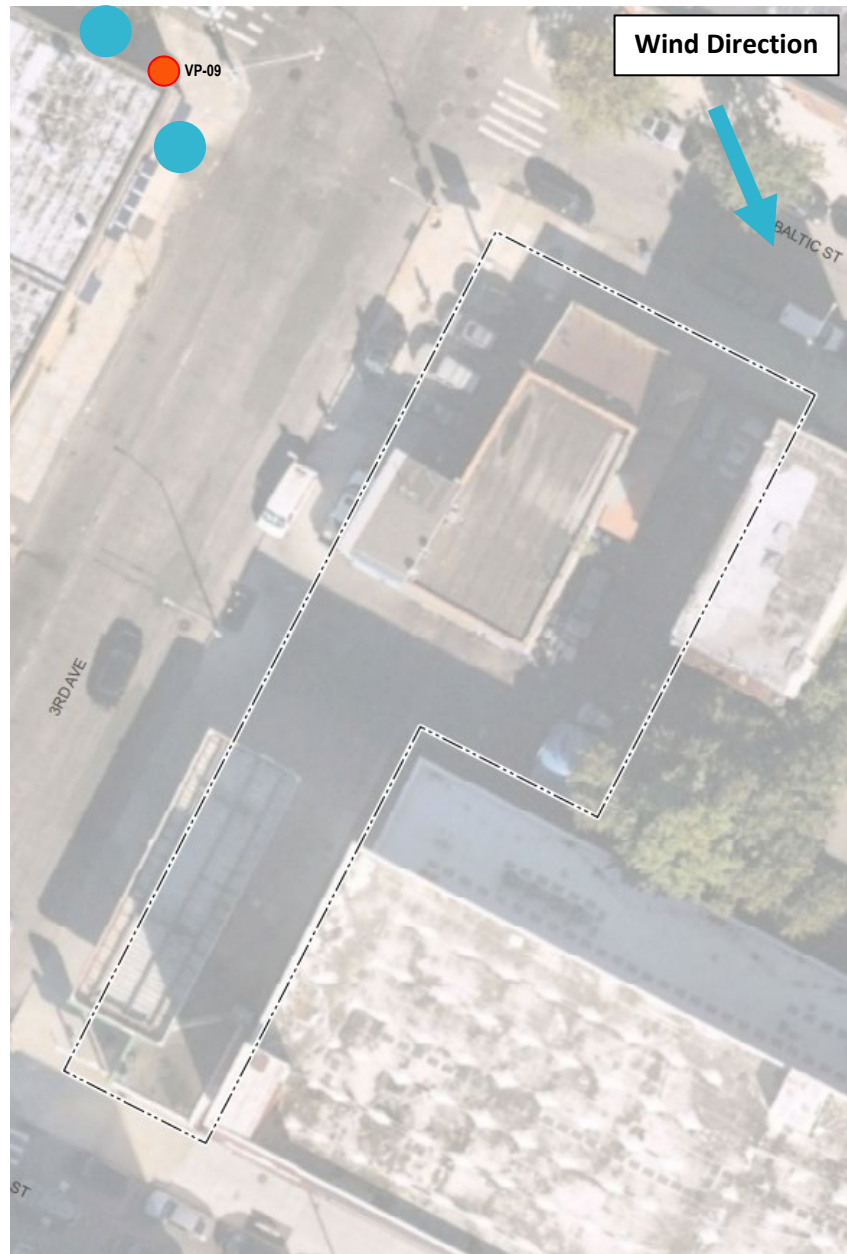
CAMP Activities:

- Haley & Aldrich performed community air monitoring collecting upwind background readings and at a downwind location during ground-intrusive work. Community air monitoring included a MiniRae 3000 photoionization detector (PID) and olfactory observations to monitor volatile organic compounds (VOCs) and visual observations for dust particulate matter.
 - Upwind Background/Pre-Work Conditions
 - PID: 0.0 ppm
 - No Visible Dust
 - Maximum Downwind Work Conditions
 - PID: 0.0 ppm
 - No Visible Dust
- No 15-minute average concentrations of VOCs exceeded the action levels throughout the day. No visible dust or odors were observed leaving the site perimeter.

Activities Planned for Coming Week:

- None.

Site Map:



 **CAMP Station**

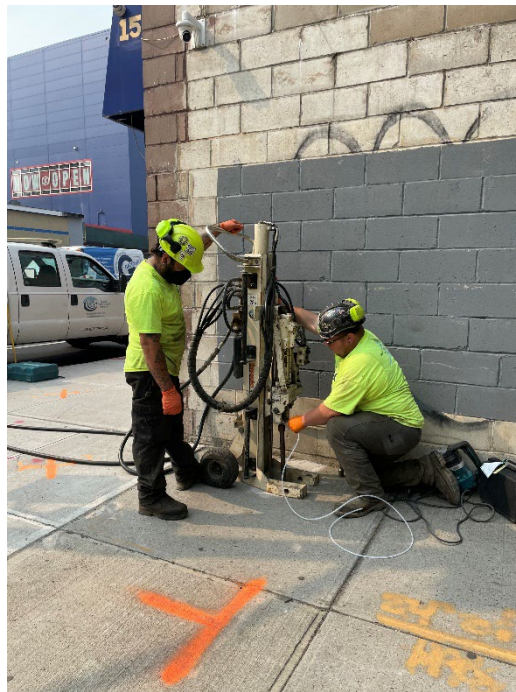
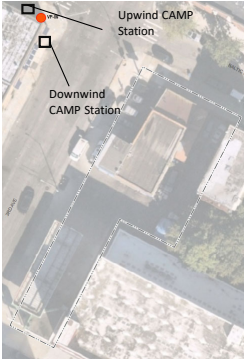
Site Photographs:

Photo 1: View of vapor pin installation, facing south.



Photo 2: View of SUMMA canister sampling, facing south.

NYSDEC Site C224375
556 Baltic Street, Brooklyn, NY
Project No. 0204090
Daily Air Monitoring Log

Date: <u>6/8/2023</u> Personnel: <u>N. Mooney, L. McCartney</u> Weather: <u>Sunny</u> Humidity: <u>56%</u> Temperature: <u>55-74°F</u> Wind Direction: <u>NW to SE</u>	Site Map: 
PID Background (ppm): <u>0.0</u>	

Time	Visual Dust Particulates (Y/N)	Visual Dust Particulates (Y/N)	PID (ppm)		Odors (Y/N)	Notes/Comments
	Upwind	Downwind	Upwind	Downwind		
815	N	N	0.0	0.0	N	
830	N	N	0.0	0.0	N	
845	N	N	0.0	0.0	N	
900	N	N	0.0	0.0	N	
915	N	N	0.0	0.0	N	
930	N	N	0.0	0.0	N	
945	N	N	0.0	0.0	N	
1000	N	N	0.0	0.0	N	
1015	N	N	0.0	0.0	N	
1030	N	N	0.0	0.0	N	
1045	N	N	0.0	0.0	N	
1100	N	N	0.0	0.0	N	
1115	N	N	0.0	0.0	N	
1130	N	N	0.0	0.0	N	
1145	N	N	0.0	0.0	N	
1200	N	N	0.0	0.0	N	
1215	N	N	0.0	0.0	N	
1230	N	N	0.0	0.0	N	